

TechScore User Manual

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Chapter 1

Logging In

1.1 Getting an account

In order to get an account, you need to go to <https://techscore.mit.edu/register>. There you can request an account. Because *TechScore* is deeply integrated with ICASA, it is important to verify that all accounts have a valid relation to ICASA. This step must be done manually by the *TechScore* administration. Upon review of the request, the account is either accepted or rejected, and a notification e-mail is sent to the user at the e-mail specified.

Once the account is approved, you can begin to use *TechScore* online via the secure connection setup at <https://techscore.mit.edu> (mind the “s” in [https](https://techscore.mit.edu)). Depending on which browser you are using, you may be warned about certificate security. *TechScore* is a safe site, and the encryption is merely used to guarantee confidentiality in the communication between the server and the user. Please add the appropriate exceptions.

1.1.1 Username and password

The username for the account is the e-mail address used to create an account. This is the full e-mail address including domain, i.e. `regattas@techscore.mit.edu`. The password is the one chosen when the account was created. If the password is lost, it must be manually reset to a new password, a process which requires the user to contact the administrator directly.

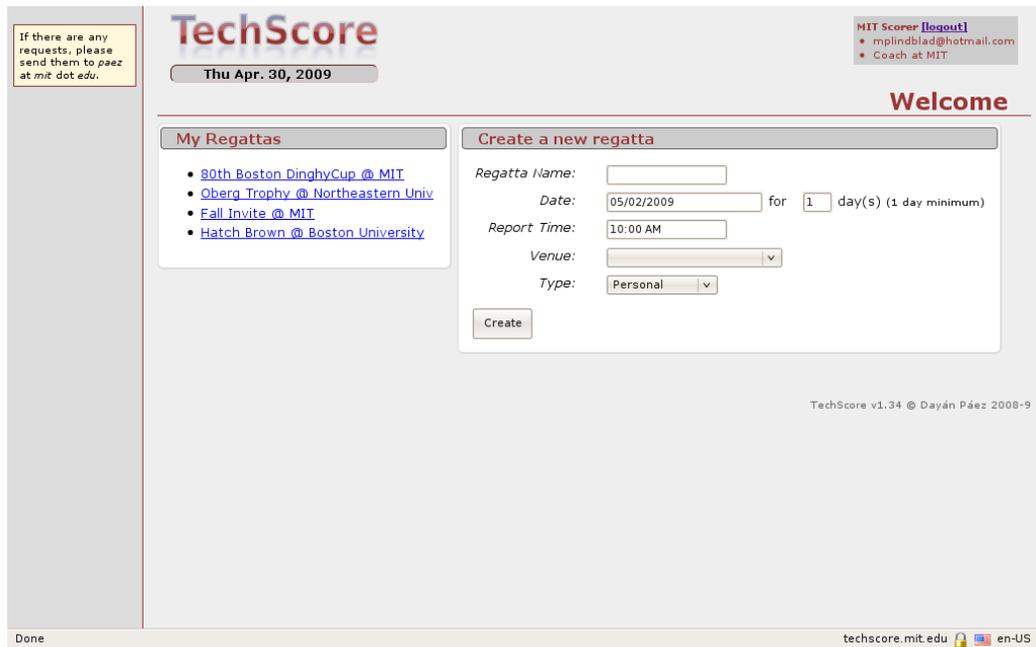


Figure 1.1: User’s Home screen, showing existing regattas

1.2 The *Home* screen

One you log-in, you will be greeted with your *Home* screen. This screen, shown in Fig. 1.1. In the top right of the screen is a small box with information about the user, such as their name, e-mail address, ICSA school affiliation and role. There is also a link to logout of *TechScore*, which makes sure no other use can revisit the site by pressing the back button on the browser and altering sensitive information. For security reasons, users are automatically logged out by the system after 15 minutes of inactivity.

Chapter 2

Create a regatta

This chapter describes the steps to take to create and setup a regatta, up to the point of scoring the regatta, which is discussed in Chapter 4.

After logging-in, you are greeted with the *Home* screen. Whenever you are not working with a regatta, you are directed automatically to this screen. Here you can open existing regattas or create a new one using the port shown in Fig. 2.1.

Note on accuracy It is imperative that care is taken to provide accurate information about the regatta since that information is used by the automated system to make decisions as to visibility, accessibility, etc. If the wrong date, is chosen, for example, *TechScore* might think the regatta is not in progress when it actually is and it will not make it available to the general public.

2.1 Regatta parameters

2.1.1 Regatta name

Choosing a regatta name is the first step in creating a regatta. Unlike filenames users are accustomed to give, a regatta name can—and should—contain the fully descriptive and concise name for the regatta. Use correct capitalization, as the regatta will be identified to the general public with exactly the name provided.

The screenshot shows the TechScore web interface. At the top left is the TechScore logo and the date 'Thu Apr. 30, 2009'. At the top right, the user is identified as 'MIT Scorer' with a 'logout' link, email 'mplindblad@hotmail.com', and role 'Coach at MIT'. A 'Welcome' message is displayed on the right. On the left, there is a 'My Regattas' section with a list of links: '80th Boston DinghyCup @ MIT', 'Oberg Trophy @ Northeastern Univ', 'Fall Invite @ MIT', and 'Hatch Brown @ Boston University'. The main content area is titled 'Create a new regatta' and contains a form with the following fields: 'Regatta Name' (text input), 'Date' (05/02/2009) for 1 day(s) (1 day minimum), 'Report Time' (10:00 AM), 'Venue' (dropdown menu), and 'Type' (Personal dropdown menu). A 'Create' button is located at the bottom left of the form. The footer of the page reads 'TechScore v1.34 © Dayán Páez 2008-9'.

Figure 2.1: Port to create a regatta, highlight box added

In particular, users should avoid names like “invite regatta”, or “oberg08”, and use proper names instead, such as “Oberg Trophy”, or “Schell Trophy”.

General guidelines for choosing names When choosing a name, include *only* the name, *do not* include qualifiers such as the year, the host school, or the regatta type since these are separately determined by *TechScore* from other regatta parameters discussed below. For example, the following is a list of poor name choices:

- 2009 St. Francis
- St. Francis Intersectional
- St. Francis Regatta @ Stanford U.

The name should just be “St. Francis” or possibly “Saint Francis”. Following these guidelines is useful in maintaining a consistent look across *TechScore*.

2.1.2 Date

To enter the date, enter the value in the textbox, or choose the date from the pop-up menu.¹ The format for the date should be as provided by *Tech-*

¹Assumes javascript is available/enabled on your browser

Score automatically, that is MM/DD/YYYY, although other values work as well (September 22, 2009, for instance). *TechScore* automatically chooses the next Saturday as the start date for the regatta, since most college regattas happen or start on Saturdays.

2.1.3 Duration

Many regattas are multi-day affairs. To account for this, type the number of days in the *Duration* box to the right of *Date*. The minimum and default value is 1. If the regatta is a two-day regatta, enter 2. Always choose the *Date* to be the first day of the regatta.

2.1.4 Report time

It is useful to know the report time, also known as the “on the water” time, for the regatta. Typically, this value is 9:30 AM or 10:00 AM (default), but can technically be any time of day. *TechScore* uses this value in conjunction with the *Date* to determine if a regatta is currently in progress, and thus make it publicly available. At the moment, the report time is not adjusted for school location, so report time *must be entered as in the Eastern timezone*.

2.1.5 Venue

The venue indicates where a regatta is taking place. If the venue is not in the dropdown menu, the user is encouraged to leave it blank, rather than entering a false value. Requests for venues should be made to *TechScore* administration directly. Venues are useful because *TechScore* will attempt to look weather information at the site of the regatta to be included with the races, so as to keep data on performance relative to wind and weather conditions.

2.1.6 Type

Most important of all, perhaps, is the regatta type. At the moment there are only three to choose from: *Personal*, *Conference*, or *Intersectional*. A *Personal* regatta is different from the other two in that it will not be published or made available to any one else except for the user who created it. This is to allow a mechanism for users to become acquainted with the program.

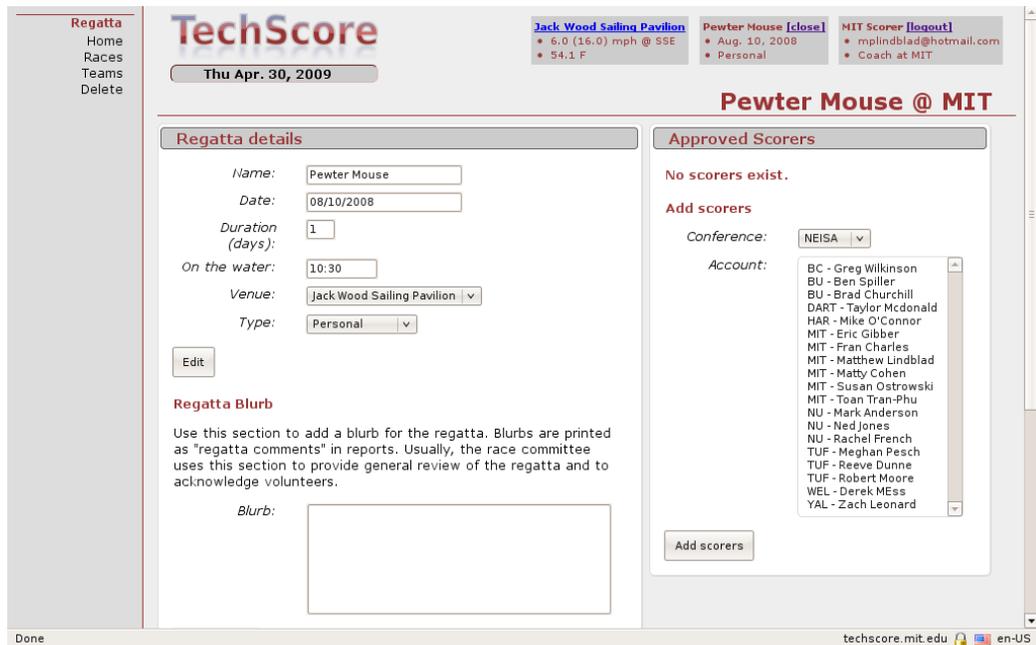


Figure 2.2: Page layout for regattas, showing the regatta home

After all the options have been filled in (except for venue, perhaps), create the regatta by pressing **Create**. This will take you to the regatta home page.

2.2 Regatta home

The regatta home is at the heart of the program. The layout is shown in Fig. 2.2. It consists of three different regions:

1. A stationary menu on the left hand pane
2. A header at the top with the *TechScore* logo and information about the user, the regatta, and the venue (if available),
3. A main body section with discrete windows, or “portlets”, each of which contains a title.

Regatta menu Virtually all navigation around the program happens with the regatta menu. This is a dynamic menu which only displays the options

available at a given time. The logic for the menu follows two basic principles: similar items are grouped together, with workflow proceeding generally from top to bottom. This menu area also displays feedback to the user whenever an operation is made. Look to here if you suspect an error happened, or to make sure that an action was completed successfully.

2.2.1 Editing regatta details

On the regatta home page, the user can edit details about the regatta, specifically those entered when the regatta was created. These operations are available on the first portlet, “Regatta details”. In addition, a *blurb* can be added. The blurb is a small summary of the regatta that gets displayed in the regatta reports which is saved along with the regatta in the database (see Sec. 6.2.1 for more information).

Finalizing the regatta

Finalizing a regatta is critical. Once all scores and relevant information (RP, penalties, etc) have been entered, the user must finalize a regatta, signaling that it has been completed. This step is important because *TechScore* uses this opportunity to clean up information about the regatta, generate necessary stationary versions of the reports, and possibly send necessary e-mail messages². Until a regatta is finalized, it will be displayed as “In Progress” to the general public, and will appear larger than others in the *My Regatta* portlet of the *User Home* (see Sec. 1.2).

2.2.2 Scorers

In addition to editing regatta details, the user can use this page to add approved scorers to the regatta. In doing so, the regatta owner grants access to the listed scorers to log-in to *TechScore* with their personal account and edit information about the regatta. Approved scorers can be reached by clicking on their names.

²Feature not yet implemented.

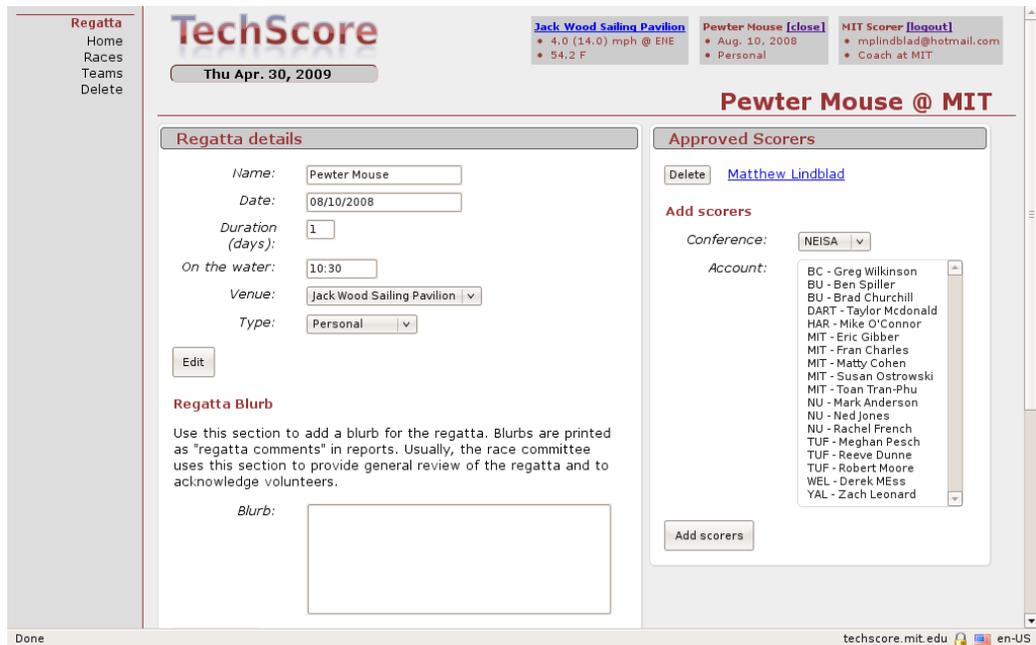


Figure 2.3: New approved scorers

Adding scorers

To add approved scorers, choose from the accounts listed next to **Account:**. Only those individuals with valid *TechScore* accounts are displayed. Choose more than one person by holding down the **Control** key on the keyboard. Filter which accounts to show by changing the **Conference:** directly above.

Finally, commit the changes by clicking on the **Add scorers** button. The page should then refresh and display the new approved scorers in the same portlet, as shown in Fig. 2.3.

Removing scorers

To remove scorers, click on the **Delete** button directly next to their name.

Chapter 3

Setup regatta

Once a regatta has been created, it is time to set up races and teams. After this is done, the option to create rotations will be enabled. This is the last step in setting up the regatta.

3.1 Races

To set up the races, click on the menu item labeled “Races”. The page is as shown in Fig. 3.1.

3.1.1 Add races

The first thing to do is to add some races, which is the only available option by default in the *Races* page. Select the division or divisions you would like to add. Select multiple divisions by either pressing down the **Control** key on the keyboard while selecting with (the left hand button of) the mouse, or holding down the left hand button of the mouse and dragging over the requested divisions.

Change the number of races to add, if necessary (default is 18). Next, select the boat to be used in the race.

Important! Accuracy here is of the essence. Select *exactly* the boat to be used. If the boat is not on the list, select *temporarily* a different boat which has as many occupants as the missing boat, and send a request to *TechScore* administration to update the database. In the database, each

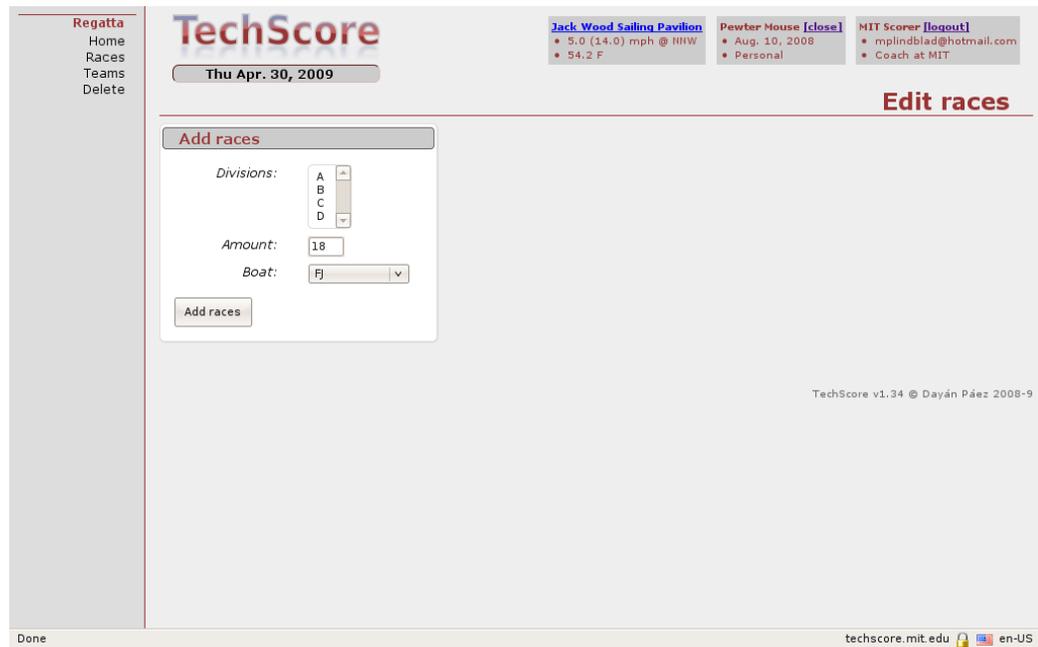


Figure 3.1: Race setup page

boat has associated with it the number of sailors in the boat (e.g. 2 for FJ's, 1 for Laser's, etc). This information is then used when entering the RP data to make sure that the right number of sailors are specified for each race. Because of this, if the user enters **Laser** for boat when the race is actually sailed in 420's, there will be no space in the RP page to enter a crew.

Regattas with multiple boat classes

Sometimes, as in the Oberg Trophy, a regatta is sailed in more than one type of boat. *TechScore* facilitates this by allowing the user to enter (and as discussed later, edit) the boats on a per-race basis. For instance, suppose that division A is sailed in FJ's, and division B in Tech's for 18 races in each. To enter these values in the *Add Races* portlet, select **A** for *Division:*, **18** for *Amount:* and **FJ** for *Boat:*; and add the races by clicking on **Add races**. Repeat the process for B division, this time choosing **Tech** for *Boat:*, and add those.

The user can add more races to any division at any time. Suppose now that A division from the example above is to sail 9 races in FJ's and the

last 9 in Tech's. The easiest way to do this is to choose **A** for *Division:*, **9** for *Amount:*, **FJ** for *Boat:*, and add those races. Repeat this last step but choose **Tech** instead, and add 9 more races to A division. In this fashion, the user should be able to enter any number of races in any combination of boats, for any division. The boat choices can always be tweaked as discussed in Sec. 3.1.3.

3.1.2 Removing a division

Generally, the user cannot delete races, just add more. This is to avoid inadvertently deleting a race for which a finish has already been entered, thereby losing *all* the information about the finish.

However, if the user enters a division by mistake, or decides to drop one of the divisions, *TechScore* allows it so long as no finishes have yet been entered. If any division(s) can be dropped, *TechScore* will display them underneath the form to add races under the heading *Remove a division*. Click on the **Drop** button directly to the left of the division to drop. If *TechScore* does not allow the division to be dropped (i.e. there is no such option described above in the portlet), it means that scores have been entered for that division. Try deleting the finishes for all the races in that division first.

3.1.3 Editing boats

By specifying the boats used for each race, *TechScore* can compare how sailors do in a specific boat vs. another. This is part of the reason why accuracy in seemingly mundane parameters like this one is important.

Often, regattas change during the course of competition. Consider again the example regatta described in Sec. 3.1.1 with multiple boats in multiple divisions. Suppose that the race committee intended the first 9 races of A division to be sailed in FJ's before switching to Tech's for the last 9, but weather conditions pushed the switch to happen after 7 races. It is important to notify *TechScore* of that change.

To edit the boat associated with each race, use the *Current races* portlet also on the *Races* page. Note that this portlet is only shown after races have been added to the regatta. Use the drop down boxes to change the boat for each individual race, and then click on the **Edit boat** button to update the database. If a mistake is made during the editing process and you want to

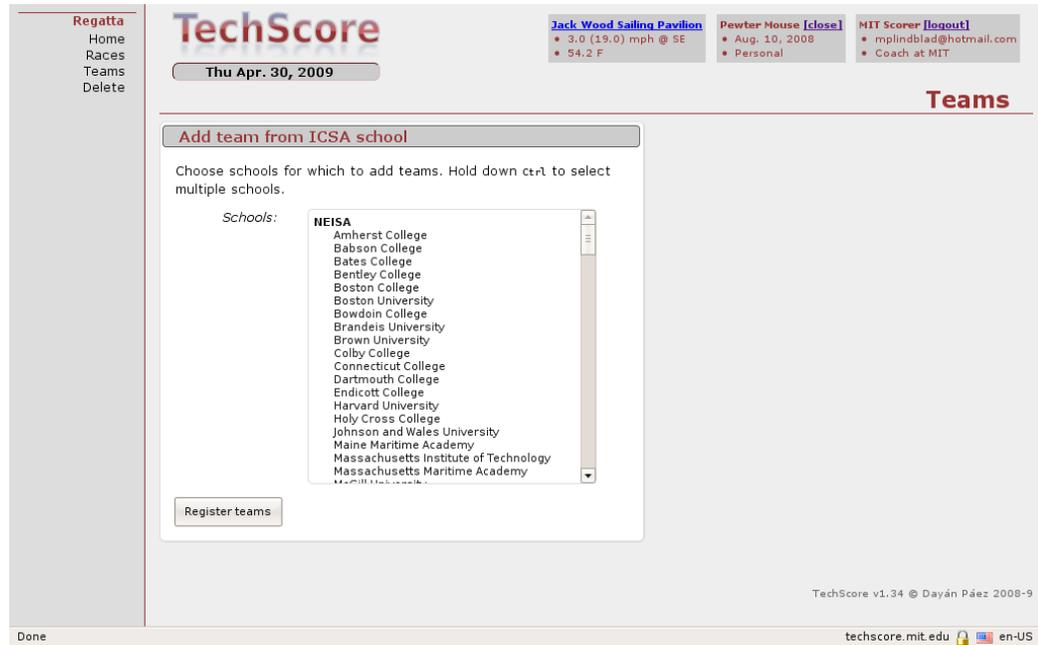


Figure 3.2: Teams setup page

start over, click on the **Reset boats** button, or simply navigate away from the page.

3.1.4 Unsailed races

As noted earlier in Sec. 3.1.2, races cannot be usually deleted. Specify only as many races as you think practical, remembering that more can always be added later if needed. Once the regatta is finalized (see Sec. 2.2.1), all the races that were not sailed are automatically removed from the database.

3.2 Teams

The next step after creating the races is to add teams to the regatta. This is done on the *Teams* page, which can be accessed via the main menu under “Teams”. The page for a new regatta with no teams yet added is shown in Fig. 3.2. This page is also used to edit team names.

3.2.1 Adding teams

To add teams, use the *Add team from ICSA school* portlet. As the title suggests, only registered ICSA schools can participate in a *TechScore* regatta. The list of schools is sorted alphabetically by complete school name and grouped by conference. As in other similar selection boxes, multiple schools are chosen by holding down the **Control** key while clicking on the school name. It is not necessary to hold down **Control** all the time, only when clicking. In some browsers, for instance, holding down **Control** while trying to scroll will zoom the page in and out instead.

After the schools have been chosen, click on the **Register** button. Note that schools need not be entered all at once, or in any specific order. *TechScore* will order the teams by school nick name automatically.

Multiple teams per school

To enter more than one team per school, just register the school more than once. Every time a school is registered (i.e. by clicking on the **Register** button), a new team for that school is added to the regatta. Note the nomenclature distinction: a school is an ICSA-registered institution, like “MIT”; a team is a competing squad from a school. MIT can have multiple teams in one regatta.

3.2.2 Team names

When a school is registered, *TechScore* provides a default name for the team based on the most frequently used name for that school in the database. When a second team is registered, *TechScore* chooses the next most popular name from the database, and so on. If there are no names for a given school in the database, *TechScore* will use the school’s nick name as the default name, and append a number (2, 3, etc) if there are multiple teams. Team names cannot be longer than 20 characters including spaces.

Changing team names

After a team is registered, a new portlet appears on the *Teams* page labeled *Edit team names*, as shown in Fig. 3.3. To change the name of a team, use the provided textbox next to the school name. As mentioned above, the maximum length for a team name is 20 characters including spaces. After

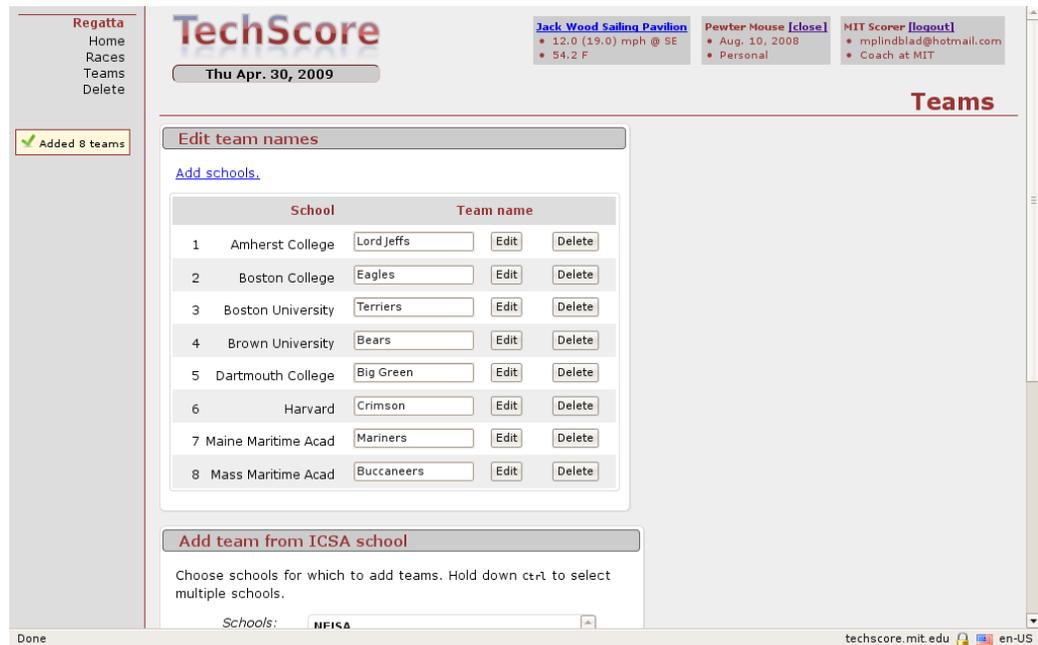


Figure 3.3: Teams page showing table of registered teams

entering the name, click on the **Edit** button directly next to the textbox to register the change. Note that only one team name can be changed at a time.

3.2.3 Removing a team

To delete a team from the regatta, use the **Delete** button next to their name in the *Edit team names* portlet.

Careful! *TechScore* will not second guess the user's intentions: once the **Delete** button is pressed, the changes will take effect immediately with no warning. This can be dangerous because removing a team from the database also deletes all the finishes for that team in the database as well.

3.3 Rotations

The last step in setting up a newly created regatta is creating the rotations. Presently, *TechScore* requires rotations in order to enter scores. The steps

are described in Sec. 3.3.3. Below, the different options are described, along with jargon all about rotations.

For clarification, a “set” refers to the number of races sailed in the same boat, usually 2 for a college regatta.

3.3.1 Rotation types

There are really just two types of rotations: *standard* and *direct swap*. In addition, there is a “third” option, which is no rotation at all. In the latter case, each team sails in the same boat for the entire regatta, and the user need only supply the sail numbers for the first race.

Standard rotation

In a standard rotation, each team rotates to the next boat in numerical order after each set, with the highest numbered boat competing the cycle by switching into the lowest numbered one. This is often referred to as +1. Note that the sail numbers need not be in order for standard rotation to work. For example, you can use sails 1, 3, 4 and 5, and the team that sails in boat 1 will rotate into sail 3 for the next set. This is the most common type of rotation as it does not require any specific number of boats.

Direct swap rotation

In a direct swap rotation, odd-numbered boats rotate up (+1), and even-numbered boats rotate down (−1). It is called direct swap because the teams “swap” their boats with another team’s after every set. Direct-swap requires an even number of teams. If there is an odd number of teams, *TechScore* will not offer this option under *Type of rotation*. In addition, direct-swap requires that the boats be numbered sequentially, though technically it is not necessary for the lowest number to be 1.

Offset rotation

A rotation can mimic an existing rotation using the same boat numbers in similar order, but offset by a certain amount. For example, consider the rotation shown in Tab. 3.1, a standard rotation (Sec. 3.3.1) in just one division. Division B’s rotation can be obtained by offsetting A’s by +2 to obtain the rotation shown in Tab. 3.2.

Race	1	2	3	4	5	6	7	8
Team A	1	1	2	2	3	3	4	4
Team B	2	2	3	3	1	1	2	2
Team C	3	3	1	1	2	2	3	3
Team D	4	4	1	1	2	2	3	3

Table 3.1: Standard rotation for division A (two races per set)

Race	1	2	3	4	5	6	7	8
Team A	3	3	4	4	1	1	2	2
Team B	4	4	1	1	2	2	3	3
Team C	1	1	2	2	3	3	4	4
Team D	2	2	3	3	4	4	1	1

Table 3.2: +2 offset rotation for division B based on rotation in Tab. 3.1

Note that offset amounts can be negative, or zero (no change).

No rotation

If each team is sailing in the same boat for all races, choose *No rotation* for the rotation type.

3.3.2 Rotation style

To facilitate the process of creating rotations, and accomodate the most common situations, *TechScore* provides a way to create rotations for multiple divisions at a time¹. To do so, *TechScore* needs to know what *style* to use. Note that you will not be given the option to choose a style if only one division is chosen.

Navy special

The default behavior when creating rotations for multiple divisions is to have whatever rotation type is chosen (whether standard or swap) apply to the first set of races in each division in order, then to the second set, and so on through the remaining sets of races. This is the default *style*, also known as

¹Indeed, this is the default behavior

Div: Races	A: 1-2	B: 1-2	C: 1-2	A: 3-4	B: 3-4	C: 3-4
Team A	1	2	3	4	5	6
Team B	2	1	6	5	4	3
Team C	3	4	5	6	1	2
Team D	4	3	2	1	6	5
Team E	5	6	1	2	3	4
Team F	6	5	4	3	2	1

Table 3.3: Navy Special direct swap for three divisions, with two races per set

a *Navy special* in the Navy Scoring program. For example, a direct swap in three divisions with two races per set is shown in Tab. 3.3.

Copy-cat style

Copy-cat style is the simplest style: the specified rotation type (standard, swap, none) is applied *only* to the first chosen division, and the resulting rotation is *copied* exactly as is onto the remaining divisions. This implies that each team sails in the same boat for the same race-number in each division.

Franny special

The *Franny special* is named in honor of Fran Charles², who frequently used it, especially for the Oberg Trophy. In this rotation style, the specified rotation type (standard, swap, none) is applied to the first chosen division. This rotation is then offset (Sec. 3.3.1) to create the rotations for the remaining divisions. The offset amount is the number of teams divided by the number of chosen divisions.

For example, suppose there are three divisions and eighteen teams racing. The offset amount in this case is $18/3 = 6$, which means that if Team A sails in boat 3 in race 5A, then it sails in boat $3+6 = 9$ in race 5B and $3+6+6 = 15$ in race 5C.

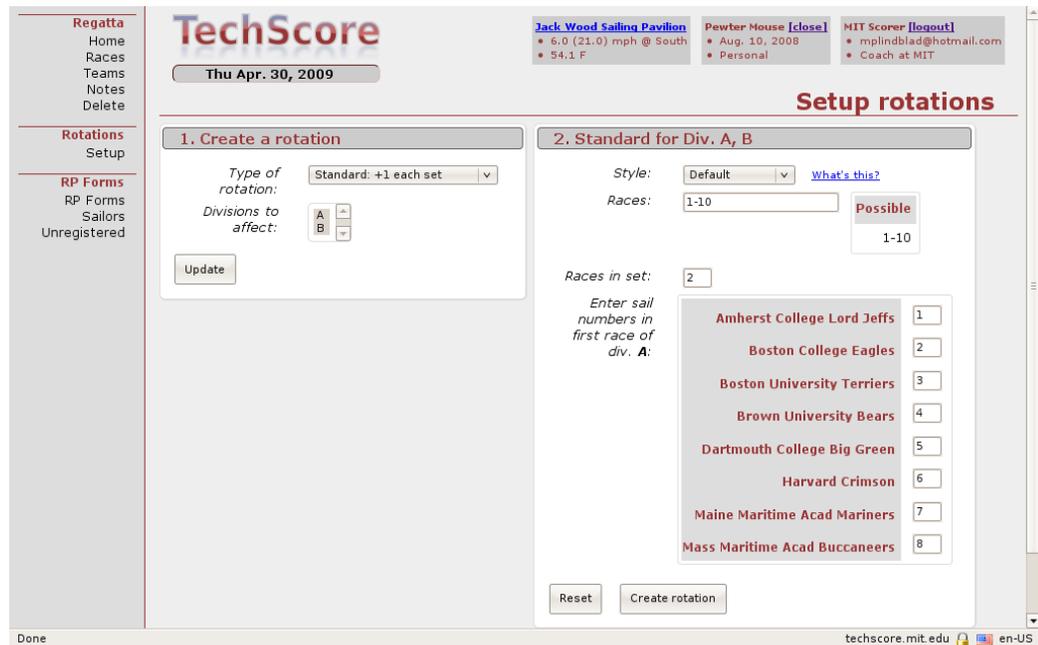


Figure 3.4: Setup rotations page

3.3.3 Creating rotations

Rotations are setup under the “Setup” link of the “Rotations” submenu in the main menu. This directs to the *Setup rotations* page shown in Fig. 3.4.

Rotations are setup in two steps. First, the user chooses the type of rotation and the division(s) to affect. Then, the user provides the number of races per set and the starting numbers for the sail.

Choosing type and divisions

In the first portlet of the *Setup rotations* page (labeled “1. Create a rotation”), choose the type of rotation. Directly below, choose the division(s) to affect. To choose more than division hold down the **Control** key or drag with the left button of the mouse pressed over the divisions. By default, all the divisions are chosen, since most rotations are created for an entire regatta at once (see Sec. 3.3.2).

²Sailing master at MIT

Remember to update! Whenever either the rotation type or the division(s) are changed, you *must* click on the **Update** button in the same portlet to update the second portlet, described below.

Offset rotations If you wish to create an offset rotation (as described in Sec. 3.3.1), first make sure that a rotation exists for a given division. Then, under *Divisions to affect:*, choose the divisions to which the offset rotation will be applied, not the division from which to offset. For example, if division A’s rotation is to be offset to create division B, then choose B under *Divisions to affect:*.

Style, races, sets, and sail numbers

Once the rotation style and divisions have been chosen, and the **Update** button on the first portlet clicked, the second portlet in the “Setup rotations” page will change accordingly to provide the necessary options. Note that the rotation type and the divisions appear in the title of the portlet. Make sure that the title matches the desired parameters before proceeding.

If multiple divisions have been chosen, *TechScore* will provide the *Style:* option (see Sec. 3.3.2).

Next, choose the race numbers across all the chosen divisions for which to create the rotation. Almost always the default value (all the races) is correct. Note, however, that if finishes have been entered, *TechScore* will not allow rotations to be entered or altered for those races. The table next to the *Races:* textbox shows all the possible race numbers for the given parameters. If the rotations are created at the beginning of the regatta—as they should—this restriction should pose no concern.³

If the chosen rotation type is not *No rotation*, then the user will be given the opportunity to enter the number of races per set. By default this value is two. This means that teams sail two races in the same boat before rotating. A value of one would mean changing boats after each race.

Sail numbers Lastly, choose the sail numbers in the first race (of the chosen range) for the first division, as instructed. By default, *TechScore*

³If, however, the user did not create enough races for the regatta and decides to add some halfway, then the new races will not have rotations, and the user will have to create a rotation for only those races, heeding the aforementioned restrictions.

arranges the teams in alphabetical order by school nick name and numbers them sequentially. If the user needs to change these values, pressing **Tab** to advance from field to field is a quick way to do so.

Submit rotation Do not forget to submit the parameters described above by pressing the button labeled **Create rotation**. If you make an error while entering the sail numbers and would like to reset them to their default values, press the **Reset** button.

3.3.4 Tweak rotations

It is sometimes necessary to edit a particular sail in a rotation. The “Tweak” link in the main menu permits fine-tuning of the rotations. In particular, this page is useful if you need to add or subtract a value from multiple sails, or replace a sail (due to a breakdown, perhaps).

Adding fixed amount to all sails

Suppose that two divisions sail the same rotations, except that B division’s sail numbers are some number higher than A division’s. For example, division A sails boats 1-10, while division B sails the “same” rotation in boats 11-20. Rather than creating two distinct rotations under “Setup” (Sec. 3.3.3, you can use the **Add or subtract value to sails** option under *Action:* in the first portlet of the “Tweak” page. Then, choose the division to affect under *Divisions:*. It is possible to affect more than division at a time. As usual, holding down **Control** key allows selection of multiple divisions. When ready, click on the **Update** button and move on to the second part of the portlet, which is labeled “2. Add or subtract for Division” along with the division(s) chosen in the first part.

In this second section, choose the races to affect. As is the case when creating rotations, only races for which no scores have been entered are valid for rotation edits. The possible races are shown on the table next to the textbox. The default value is all the possible races that have yet to be scored in all chosen divisions.

Finally, enter the amount in *Add/subtract:*, keeping in mind that *Tech-Score* will not allow negative value for sail numbers. When ready, click on the **Edit sails** button for the changes to take effect.

Replacing sails

If there's a breakdown and one of the boats in the rotation needs to be replaced with a different number, then the option to choose is the **Replace sail with different one** under *Action*: in the first part of the "Edit sail numbers" portlet. As with the other option, choose the division or divisions to affect, and click on **Update**.

The second half of the portlet will then change to reflect the new selections, with a title like "2. Replace sail for Division" followed by the division(s) chosen. Choose the races to affect as discussed in Sec. 3.3.4. Finally, choose the sail to replace from the dropdown box. Enter the new value in the textbox directly to the right, and click on **Replace** for the edits to take effect.

Boat by boat editing

For the finest level of detail, the portlet titled "Tweak current rotation" allows you to edit each individual boat per race. If all else fails, this portlet will allow manual entry of the rotations, although of course the methods discussed in Sec. 3.3.3 are preferred. A note of caution: *TechScore* does not allow the same sail to appear twice in the same race, instead it will keep only the last of the repeated sail for that race. Make sure that no teams are left without a boat for a given race!

3.3.5 Printing rotations

To print rotations, click on the "View/Print" link under the "Rotations" heading of the main menu. This will load a printer-ready page as shown in Fig. 3.5. To print the page, use the **Print** command in the web browser, usually under **File** in the menubar. It is always a good idea to check how the page will print by using **Print preview**. Most browser will enable the user to scale the page, change the margins, etc.

Regatta
Home
Races
Teams
Notes
Delete

Rotations
Setup
Tweak
View/Print

RP Forms
RP Forms
Sailors
Unregistered
View/Print

Scores
Finishes

TechScore

Fri May. 8, 2009

Jack Wood Sailing Pavilion
• 3.0 (14.0) mph @ SSW
• 64.7 F

Pewter Mouse [close]
• Aug. 10, 2008
• Personal

Dayan Paez [logout]
• paez@mit.edu
• Student at MIT

Rotations

A division

		1	2	3	4	5	6	7	8	9	10
Amherst College	Lord Jeffs	1	1	3	3	5	5	7	7	1	1
Boston College	Eagles	2	2	4	4	6	6	8	8	2	2
Boston University	Terriers	3	3	5	5	7	7	1	1	3	3
Brown University	Bears	4	4	6	6	8	8	2	2	4	4
Dartmouth College	Big Green	5	5	7	7	1	1	3	3	5	5
Harvard	Crimson	6	6	8	8	2	2	4	4	6	6
Maine Maritime Acad	Mariners	7	7	1	1	3	3	5	5	7	7
Mass Maritime Acad	Buccaneers	8	8	2	2	4	4	6	6	8	8

B division

		1	2	3	4	5	6	7	8	9	10
Amherst College	Lord Jeffs	2	2	4	4	6	6	8	8	2	2
Boston College	Eagles	3	3	5	5	7	7	1	1	3	3
Boston University	Terriers	4	4	6	6	8	8	2	2	4	4
Brown University	Bears	5	5	7	7	1	1	3	3	5	5

Done en-US

Figure 3.5: Print rotations page

Chapter 4

Scoring

Scoring a regatta includes entering and editing finishes, penalties (both individual and team-wide), and breakdowns. In addition, this chapter explains how to print the results, either by race, by division, or by boat. The pertinent pages are found in the last section of the main menu under “Scores”. These pages become available as soon as the regatta has been completely setup. This includes rotations.

4.1 Entering finishes

Enter finishes by using the “Finishes” link in the main menu. The first step is to choose the race. Any race will do. If the finish for that race has already been entered, *TechScore* allows you to re-enter finishes. After entering the sail numbers and weather information, use the **Enter finishes** button to enter the finishes. *TechScore* chooses the lowest numbered, unscored race as the default value.

4.1.1 Enter sail numbers

The next step is in the next portlet. As mentioned in Sec. 3.3, finishes can only be entered via sail numbers and rotations at the present time. *TechScore* provides a list of the sail numbers participating in the chosen race in a table next to a list of textboxes. Enter the sail numbers either manually in the textboxes, or by clicking on the sail number in the table¹. When entering

¹requires Javascript to be enabled

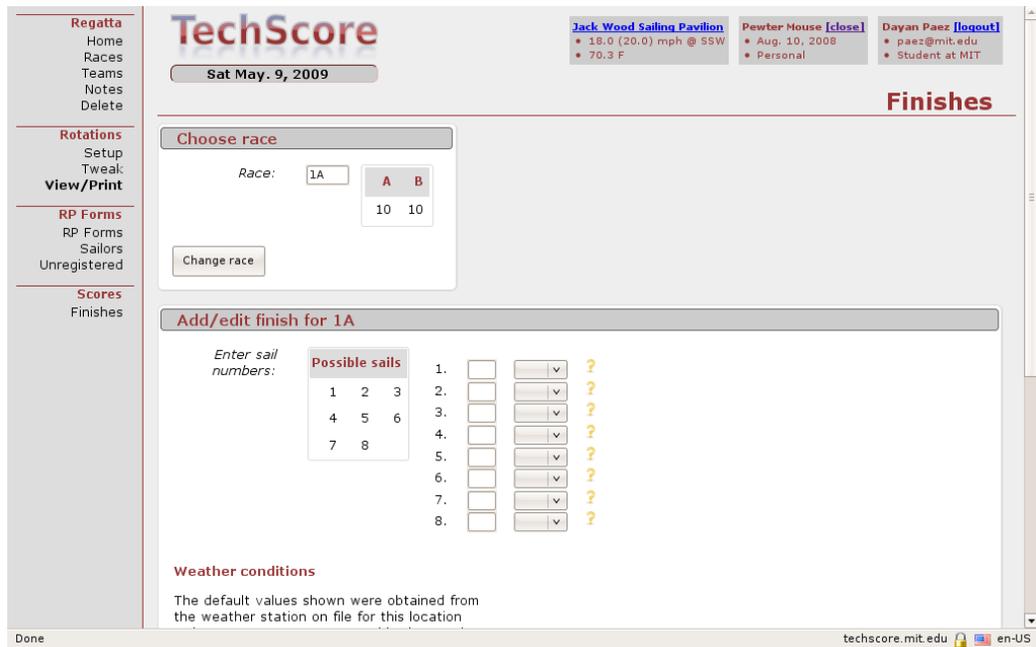


Figure 4.1: Finishes page

the numbers manually, pressing **Tab** advances from one textbox to the next. When using the table of sails, *TechScore* will add the chosen sail number to the first empty textbox in the list.

DNS, DNF, and BYE's

Did not finish (DNF), did not start (DNS) and byes are entered with other finishes. Select the appropriate modifier from the drop-down box next to the corresponding sail number. The order in which these special finishes are entered has no effect on the outcome, so they may be entered anywhere in the list of finishes.

Checking sails

The sails table indicates the remaining sail numbers left to enter, as an aid to the scorer. Regardless of how sails numbers are entered, *TechScore* provides feedback in the form of a check (✓) if correct, or a cross (✗) if an error has occurred, such as a non-existing sail or a repeated sail number. In the latter

case, all the repeated sails are marked as incorrect. In addition, *TechScore* will disable the **Enter finishes** button until all errors have been fixed.

4.1.2 Entering weather conditions

TechScore allows the user to keep track of weather conditions at each race, although it currently does not require them. If the venue has been chosen for the regatta (Sec. 2.1.5) then *TechScore* will use the weather station saved with that venue to identify the current weather information and autofill the weather conditions below the race finishes. The scorer has the option of overriding these values.

4.1.3 Note on conforming browsers

TechScore uses Javascript to validate the sail numbers. It has been noted that non-compliant browsers such as Microsoft's Internet Explorer are unable to interpret the script correctly, and will refuse to enable the **Enter finishes** button. It is strongly recommended that scorers use a compliant browser such as Netscape, Mozilla, Firefox, Opera, Safari, or Chrome.

4.2 Viewing and deleting finishes

All the entered finishes can be viewed in the same "Finishes" page in the bottom portlet. These lists show the sail numbers, as entered by the scorer. In addition, the weather conditions for that race are also shown. To remove the finish, use the **Remove** button for that race. A typical finish is shown in Fig. 4.2.

4.3 Penalties and breakdowns

To enter penalties, use the "Penalties" link on the main menu. The penalties page, which is where breakdowns are also entered, is the busiest page in *TechScore*. Here, scorers can enter and delete individual and team penalties.

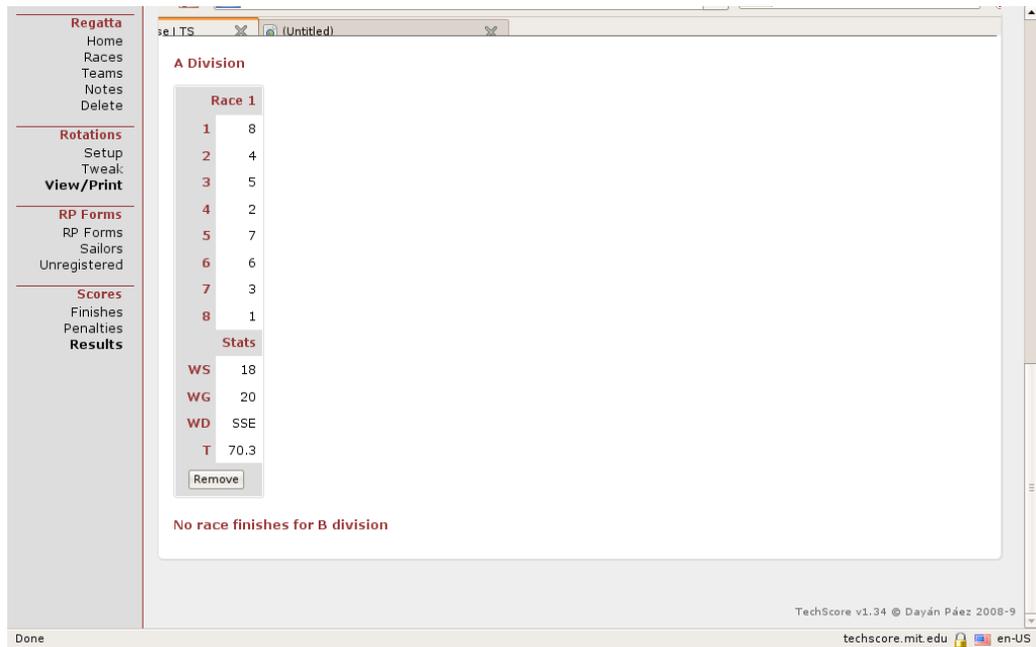


Figure 4.2: Current finish, showing wind conditions and delete option

4.3.1 Entering penalties and breakdowns

Choosing race and penalty type

Penalties and breakdowns are entered in the first portlet of the “Penalties” page. The first step, as indicated, is to choose the race. Only scored races can be chosen, and a table of such races for each division is shown next to *Possible races*:

The next step is to choose the penalty or breakdown from the *Penalty type*: dropdown box. The choices are “retire after finish” (RAF), “disqualification” (DSQ), “on course side at start” (OCS) for the penalties, and “breakdown” (BKD) or “yacht given redress” (RDG) for the breakdowns. After the appropriate option is chosen, click on the **Pick team(s)** button to update the second part of the portlet where teams are chosen.

Penalties

After the race and penalty have been chosen, the second half of the portlet updates to reflect these choices, with the title saying something like “2. DSQ

Figure 4.3: Entering breakdowns, showing average scoring or manual score adjustment

in race 1A”, if a DSQ is being entered in the aforementioned race. If a penalty is being entered, then *TechScore* will prompt for the *Team:* to penalize. The dropdown box contains the team names and the sail number for that team in that race in parentheses. *Note that only teams which had “regular” finishes (i.e. no DNS, DNF, or byes) can be penalized.*

In addition, there is a *Comments:* box for simple messages regarding the penalty. This information can be later published as part of the official regatta report. When done, click the **Enter penalty** button for the penalty to take effect.

Breakdowns

If a breakdown is to be entered, *TechScore* prompts for the team and comments from the scorer, as when entering penalties, but also prompts for a *New score:*, as shown in Fig. 4.3. Usually, breakdowns are scored as a team’s average in the other races for the same division. *TechScore* allows this option by providing the **Use average** textbox, as shown in Fig. 4.3.

Finally, click the **Enter breakdown** button to make the breakdown official.

4.3.2 Entering team penalties

Team penalties are added to the final team score in the penalized division and are worth +20 points. There are four types of team penalties: “illegal lifejacket” (PFD), “missing pinnie” (LOP), “missing RP info” (MRP), or “general disqualification” (GDQ).

To enter a team penalty, choose the team to penalize next to *Team*:. Next, choose the division under *Division(s)*:. More than one division can be chosen. Choose the *Penalty type*:, and add the optional *Comments*:. Finally, enter the team penalty by clicking the so-labeled button.

4.3.3 Dropping penalties and breakdowns

Dropping a penalty or breakdown is also done in the “Penalties” page, using the bottom portlet, shown in Fig. 4.4.

Each existing penalty is shown within its category in a table summarizing the race, the team, and the penalty. In addition, a **Drop/Reinstate** button is provided for each penalty or breakdown. Clicking this button removes the penalty or breakdown from the database and recalculates the score using the original finish entered (see Sec. 4.1).

4.4 Judges’ notes

TechScore does not currently have a mechanism for keeping track of protests. Instead, it has an official notices section where on-the-water observations by the race committee can be entered. Each note is associated with a particular race and judge, and there can be any number of distinct notes for each race. These are especially useful for documenting special circumstances during the regatta. The list of judges’ notes can later be included in the regatta reports (see Sec. 6.2.4).

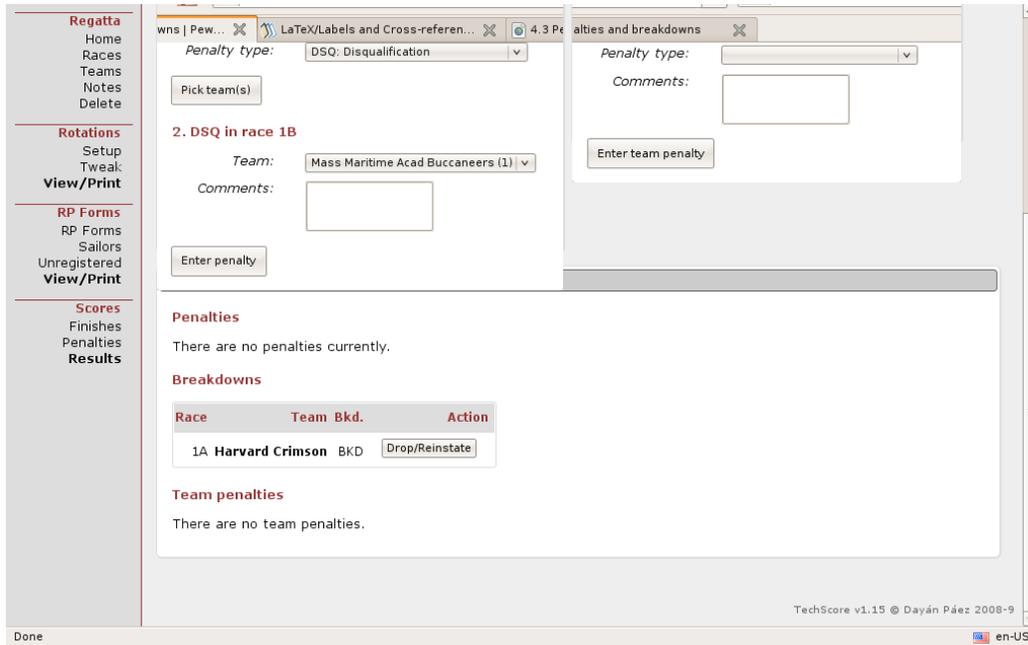


Figure 4.4: Current penalties and breakdowns portlet

4.5 Viewing scores

The last link under the “Scores” section of the main menu is the “Results” page, which can be used to print scores in a number of formats. The default page is shown in Fig. 4.5.

4.5.1 Choosing scores to display

At the top of the page, in the first portlet titled “Filter Settings”, are four kinds of results to display. The first is **Totals**, followed by **Division totals**, one for each division individually, and **Boats**. You may choose to display all or just some on the page, which *TechScore* remembers the next time you visit during the same web session. Keep in mind, however, that the more is displayed, the longer the page might take to load.

After choosing what to display, click on the **Update** button to refresh the page with the requested content.

The screenshot shows the TechScore website interface. At the top, there's a header with the TechScore logo and the date 'Sat May. 9, 2009'. On the right, there are user profiles for Jack Wood, Pewter Mouse, and Dayan Paez. The main content area is titled 'Race results' and contains a 'Filter Settings' section with a 'Show:' dropdown menu set to 'Totals'. Below this is an 'Update' button and a note: 'To view as plain-text: in Mozilla/Firefox, go to View -> Page Style -> Plain Text.' The 'Team Results' section has a 'Filter races:' input field and 'Hide'/'Show all' buttons. Below is a table with columns 'Team', 'Div.', '1', and 'TOT'.

Team	Div.	1	TOT
1 Mass Maritime Acad	A	1	1
Buccaneers	B		
		1	1
2 Brown University	A	2	2
Bears	B		
		2	2

Figure 4.5: Default results page

Team Results

Totals is the default choice and it displays the score for each time in each race, as shown partially in Fig. 4.5. This is the most commonly printed set of results as it shows all the information. If a team had a special score, such as a penalty or a breakdown, the three-letter code is used (DSQ, BKD, etc). Hovering over the table cell of the score with the mouse will reveal a tooltip describing the numerical score in that race. For instance, if the score was a DSQ, the tooltip will show “Fleet + 1”. If the score was a breakdown, the tooltip will provide the average score, or the actual score depending on which is better according to the ICSA scoring rules.

In addition, team penalties are also shown whenever present in the second to last column just before the totals (**TOT**) column of the table.

At times the user may want to collapse the table, showing only a fraction of the total races in order to save real estate or for printing purposes. This particular portlet has a filter form labeled *Filter races:* at the top of the portlet which can be used to hide or show any number of races. Enter the race numbers to hide as a range separated by hypens “-”, or a list separated

Update

To view as plain-text: in Mozilla/Firefox, go to View -> Page Style -> Plain Text.

Team Results, Divisional

	School	Team	A	B	TOT
1	Brown University	Bears	2	1	3
2	Mass Maritime Acad	Buccaneers	1	5	6
3	Maine Maritime Acad	Mariners	5	2	7
4	Harvard	Crimson	5	3	8
5	Dartmouth College	Big Green	3	7	10
6	Boston University	Terriers	7	4	11
7	Boston College	Eagles	4	8	12
8	Amherst College	Lord Jeffs	8	6	14

TechScore v1.15 © Dayán Páez 2008-9

Done en-US

Figure 4.6: Team results, divisional

by comma’s “,”, such as “1-3,5” for races 1, 2, 3, and 5. Then click on the “Hide” button to hide those cells. Clicking on “Show all” will pop the cells back to view. It might be necessary to click the button more than once to cycle views.²

Team Results, Divisional

Division totals is the second option of scores to display. This is a summarized version of the totals table described in the preceding section (Sec. 4.5.1), but ignoring the individual race finishes. Sometimes this table is a better choice than the totals table, but ideally both would not be chosen as they contain essentially the same information. An example table is shown in Fig. 4.6.

²Note that this feature requires Javascript

Division Results

For each division that has been scored, *TechScore* allows the option of printing a table of finishes only for that division. This table ranks the team only within the chosen division and displays the participation information, also known as RP, for each team, including races sailed. This is a popular table to print along side the totals table because it shows how each sailor has done within his/her division.

Boat Scores

The fourth type of score table ranks the boats using the information from the rotations. Seldom printed, but often interesting, this table accounts for the different boat classes used (see Sec. 3.1.1).

4.5.2 Printing scores

Scores are printed the same way rotations are, using the print facilities provided by the web browser. Usually, this option is available under the **File** menu. *TechScore* arranges the information differently when it goes to the printer instead of the computer screen, stripping away colors, decorations, and the menu, and changing the font to a fixed-width font. All modern browsers honor the settings provided by *TechScore*. It is always a good idea, however, to use *Print preview* to ascertain that all looks well before printing, especially since most browsers add headers and footers to pages which are not controlled by *TechScore*. Headers and footers, which usually contain information about the regatta and a timestamp, are controlled by the browser, as are the margins and the zoom (or scaling) of the page, and the page orientation (portrait or landscape). Tweaking these values is system-dependent and beyond the scope of this manual.

Chapter 5

Record of Participation

RP forms are part of every college regatta and are useful in keeping track of how individual sailors perform. The RP feature in *TechScore* connects directly to the ICSA database. It creates a mirror of the active sailors and updates it twice a week on Saturday and Sunday at 5:00 AM EST. This way, it is almost certain to always have the most up-to-date information regarding registered sailors for each school.

5.1 Entering RP info

RP info can be entered at any time during the regatta, even after it has been finalized (see Sec. 2.2.1), under the “RP Forms” link of the submenu by the same title in the main menu. This page is shown in Fig. 5.1. It is organized into two portlets. The first, titled “Choose a team”, is used to retrieve the current RP form for each specific team in the regatta. The second portlet is where the actual form is filled out.

For each role (representative, skipper, crew), *TechScore* provides a drop-down list of the current sailors for that team that *TechScore* knows about from the ICSA database. Below that, sailors that are not yet registered with ICSA are displayed. To add students to this temporary list, see Sec. 5.2.

5.1.1 Choosing a team

For simplicity and speed, only one team’s RP form can be filled out at a time. Choose which team to register by using the first portlet in the “Record

TechScore
Sun May. 17, 2009

Record of Participation

Choose a team

Use the form below to enter RP information. If a sailor does not appear in the selection box, it means they are not in the ICSA database, and they have to be manually added to a temporary list in the [Unregistered form](#).

Team: Amherst College Lord Jeffs

Fill out form for Amherst College Lord Jeffs

Representative: [dropdown]

A Division

Races	Crews	Skippers	Races sailed	Crews	Races sailed
1-10	1	[dropdown]	[input] ?	[dropdown]	[input] ?
		[dropdown]	[input] ?	[dropdown]	[input] ?

B Division

Races	Crews	Skippers	Races sailed	Crews	Races sailed
1-10	1	[dropdown]	[input] ?	[dropdown]	[input] ?

Figure 5.1: RP page with empty form

of Participation” page, next to *Team*:. If one school has multiple teams, each one will be listed separately and identified by its name (see Sec. 3.2.2).

5.1.2 Filling out form

After a team has been chosen, the second portlet updates with the name of the chosen team and a list of the sailors from that school that *TechScore* knows about. In addition, *TechScore* decides ahead of time how many crews are allowed for each race in each division by looking at the boats used for that race (see Sec. 3.1.3). For each division, a table specifying the number of crews allowed for each race is shown to the left of the form entry for that division, as highlighted in Fig. 5.2.

5.1.3 Team representative

The first item in the form is the *Representative*:. Choose any from the drop-down list. Note that this is the same list of sailors as for the rest of the RP

The screenshot shows a web form titled "Fill out form for Amherst College Lord Jeffs". On the left, a sidebar contains links for "Scores", "Finishes", "Penalties", and "Results". The main form has a "Representative:" dropdown menu. Below this, there are two sections: "A Division" and "B Division". Each section contains a table with "Races" and "Crews" columns, and two columns for "Skippers" and "Crews" with "Races sailed" sub-columns. In both divisions, the "Races" column contains "1-10" and the "Crews" column contains "1". The "Skippers" and "Crews" columns have dropdown menus and textboxes with question marks. The "B Division" table is highlighted with a red box.

Figure 5.2: Table of crews per race per division. Highlight added.

form. There are plans to include coaches in this list, but as of the current *TechScore* version, only sailors can act as team representatives.

5.1.4 Skippers

For each division, *TechScore* provides a table to enter the involved skippers and the races sailed. Note that in order for an RP entry to be valid, a sailor *must have at least one race sailed*. This means that if the races sailed textbox is left empty, *TechScore* will delete that sailor from the RP entry for that team (likewise, a blank sailor name produces no RP entry either).

To reiterate, the only way that an RP entry exists in the database is if a sailor is associated with both a team and at least one race. It is not possible to have a sailor registered for a regatta without having a race entered. Since RP forms can be edited at any point, this restriction should pose minor concern.

Choosing skipper

Choose a sailor from the dropdown list provided. If a name does not appear in the list, that sailor must be manually added to a temporary list of sailors for that school before being chosen (see Sec. 5.2). Sailors that are in such a temporary list appear with an asterisk (*) next to their name in all reports.

Number of skippers

To save space on the screen, *TechScore* displays two empty lines in the skipper table in addition to the already existing skippers. This means that at first, when no RP's exist, *TechScore* will show only two spaces for skippers. This does not mean that there is only room for two skippers on a team in a division. To enter more, submit the form as is, and when the page reloads *TechScore* will provide two additional fields.

Entering races sailed

As discussed above, each skipper must be associated with at least one race. Enter the race or races for the skipper on the textbox next to their name. Races are entered as ranges separated by hyphens (“-”), lists separated by commas (“,”), or a combination of both. For instance, to enter races 1 through 4, 8 through 10, and 12, enter “1-4,8-10,12”. Note that whitespace is unimportant and ignored.

If Javascript is enabled, *TechScore* will interpret the input and parse it before submission. If correct, a check will be displayed next to that entry. If an error occurred (such as a skipper entered for the same race in more than one division, *TechScore* will display a brief error message. Hovering over the error with the mouse should display a tooltip revealing more information about the infraction. If there are errors in the form, *TechScore* will disable the `Submit form` button until all errors have been cleared.

5.1.5 Crews

Entering crews is similar to entering skippers, with the additional provisions mentioned in Sec. 5.1.2. If a specific race does not have room for a crew in the boat (such as single-handed Techs, Laser's etc), *TechScore* will not provide space for a crew or will complain if one is entered for that race, disallowing submission of the form. To increase the number of crews, and for information on entering races, see Sec. 5.1.4 and Sec. 5.1.4, respectively.

5.1.6 Submitting the form

Once a form is ready to be submitted, click on the `Submit form` button at the bottom of the portlet. This will save the changes. To start over, use the `Reset` button to the left. After the form is submitted, *TechScore*

The screenshot shows the TechScore web application interface. On the left is a sidebar menu with sections: Regatta (Home, Races, Teams, Notes, Delete), Rotations (Setup, Tweak, View/Print), RP Forms (RP Forms, Sailors, Unregistered, View/Print), and Scores (Finishes, Penalties, Results). The main content area has a header 'Unregistered sailors' and a form titled 'Add sailor to temporary list'. The form instructions state: 'Choose the school from the list below and enter the sailors on one line each: as first name, last name, and year. Notice that only these three will be accepted. Follow the example below:'. The form contains a text area with the example text 'John Doe 2011' and 'Jane Dean 2009'. Below this is a 'School:' dropdown menu currently set to 'Amherst College'. Underneath is a 'Students:' text area. At the bottom of the form is an 'Add sailors' button. The footer of the page reads 'TechScore v1.15 © Dayán Páez 2008-9' and 'en-US'.

Figure 5.3: Page to add unresitered sailors

reloads the page with the information entered and a brief message saying “RP info updated” is shown on the main menu indicating a successful RP form submission.

5.2 Non-ICSA sailors

At times, a team signs up sailors that are yet registered or activated by ICSA and are thus not found in the database. Rather than ignore these entries, *TechScore* provides a mechanism for adding these sailors to a *temporary* list. Until these sailors are cleared, they will appear with an asterisk (“*”) next to their name in every report to indicate that they are not official ICSA sailors. In the RP form lists, these sailors appear towards the bottom in the subgroup titled “Non-ICSA sailors”.

To add sailors to this temporary list, use the “Unregistered” link under the “RP Forms” heading of the main menu. This page is shown in Fig. 5.3.

As shown, this is a fairly simple page with one portlet and instructions on how to use it. Follow the template shown. First, choose the school for

Add sailor to temporary list

Choose the school from the list below and enter the sailors on one line each: as first name, last name, and year. Notice that only these three will be accepted. Follow the example below:

John Doe 2011
 Jane Dean 2009

School:

Students:

Lord Jeff 2010
 Lady Genovieve 2012

Figure 5.4: Table of temporary students as interpreted by *TechScore*

which to add sailors, since each sailor must be associated with a particular ICSA school. Only those schools current in the regatta are shown.

After the list of sailors has been entered, click outside the text area next to *Students*:. This will prompt *TechScore* to parse the contents of the text area and display a quick table with the input as it will be interpreted next to it¹, as shown in Fig. 5.4.

Once done, click on **Add sailors** to add these sailors to the list of temporary sailors for that school. Note that *TechScore* does not attempt to make sure that the sailor being entered does not already exist in either the ICSA or the temporary list of sailors, so choose this feature wisely as sailors *cannot be removed once entered*. The temporary list of sailors is updated by the *TechScore* administration after merging with the ICSA’s database.

5.3 List of sailors

A compact table of sailors in a regatta is available under the “Sailors” link in the “RP Forms” submenu. A section of this table is shown in Fig. 5.5 for

¹Assumes Javascript is enabled

The screenshot shows the TechScore website interface. At the top, there is a navigation menu on the left with options like 'Regatta', 'Home', 'Races', 'Teams', 'Notes', and 'Reports'. The main header includes the 'TechScore' logo, the date 'Sun May 17, 2009', and user information for 'Oberg Trophy' and 'Dayan Paez'. The 'Sailors' section is active, displaying a 'Registrations' table.

Team	Div.	Skipper	Crew
	A	Evan Cooke '10	Katy Nastro '11 1-10 Laura Ann Keller '11 11-17
	B	Emily Maxwell '11	Carrie Amarante '09
Boston College Eagles	C		Emily Massa '07
	A	Ben Greenfield '11	Roxanne Gross '10
	B	Tripp Cashel '11 1-10 Daniel Perkins '11 11-17	Elizabeth Santovasi '11 1-10,17 Meredith Varr '09 11-16
Boston University Terriers	C	Gordon Mack '10	Veronica White '09
	A	Viktor Bolmgren '11	Phoebe Sprague '11
	B	Peter Wadden '09	Meredith Steck '09
Bowdoin College Polar Bears	C	Alex Takata '12	Audrey Hatch '10
	A	Samuel Ingham '11	Kirstin Haas '10
	B	Jonathan Duffett '11	Jennifer Hom '09 1-7 Cezar Gomez '10 8-17
Coast Guard Acad. Bears	C	Ian Oviatt '10	Tanya Cupral '11
	A	Bernie Roesler '12	Courtney Gerwin '11
	B	Matthew Cohen '10	Christina Clark '10
Dartmouth College Big Green	C	Benjamin Bier '10	Therese Korndorf '11

Figure 5.5: Section of the “Sailors” page

the case of the Oberg Trophy.

Note that this table indicates which races a sailor participated next to their name. In the case of non-ambiguity (i.e. only one skipper or crew in that division), this list is omitted. The table also shows the sailor’s year as determined from the ICSA database or the value entered by the scorer for the unregistered user (see Sec. 5.2).

5.3.1 Printing the list of sailors

This page can be readily printed by using the browser’s **Print** command, usually found under the **File** menu. This table can also be included in reports (see Sec. 6.2.3).

5.4 Printing ICSA RP forms

This feature is currently under development and only available for two-division regattas. It inserts the current RP into official ICSA record of par-

ICSA RECORD OF PARTICIPATION - A/B Division PAGE ___ OF ___
 EVENT ICSA Eastern Semifinals HOST MIT DATE 2009-05-02

COLLEGE: Boston University Terriers TEAM REP NAME (Print-Required) _____
 TEAM REP SIGNATURE (REQUIRED or 20 Pt Penalty per division): _____

A - DIVISION			B - DIVISION		
FULL NAME	YR	RACES SAILED	FULL NAME	YR	RACES SAILED
Benjamin Spiller	'09	1-4	William Martin	'10	1-8
Maxwell Bent	'10	5-8			
Sarah Donahue	'09	1-8	Ailie Bittl	'10	1-8

COLLEGE: Eckerd College Tritons TEAM REP NAME (Print-Required) _____
 TEAM REP SIGNATURE (REQUIRED or 20 Pt Penalty per division): _____

A - DIVISION			B - DIVISION		
FULL NAME	YR	RACES SAILED	FULL NAME	YR	RACES SAILED
Arthur Blodgett	'09	1-8	Andrew Keane	'09	1-8
Nicole Laliberte	'10	1-8	Nicole Butchart	'10	1-8

COLLEGE: Georgetown Universit Hoyas TEAM REP NAME (Print-Required) _____
 TEAM REP SIGNATURE (REQUIRED or 20 Pt Penalty per division): _____

A - DIVISION			B - DIVISION		
FULL NAME	YR	RACES SAILED	FULL NAME	YR	RACES SAILED
Charlie Suddham	'04	1-8	Eric Aze	'04	1-8

Done

Figure 5.6: Section of ICSA RP form for Eastern Semifinals

participation forms which can then be printed. This feature reduces errors due to illegible handwriting and strikethroughs during manual editing. A sample page for the ICSA Eastern Semifinals hosted by MIT is shown in Fig. 5.6.

5.4.1 Printing ICSA form in Firefox

Printing these forms can be tricky. The following is quick set of instructions for doing so in Firefox. Similar parameters are available in other browsers although possibly under slightly different names and locations.

A quick **Print preview** of the page with default page parameters reveals several problems with printing the page as is. The first is that Firefox and most web browsers are set by default to not print background images and colors, since these are usually just eye candy that belongs only on a screen and not on a sheet of paper. This is one of the few instances where the background image is actually necessary.

The second problem is that most browsers will print information about the print job and the website in headers and footers on the page. This information cannot be controlled by *TechScore*, and must be overridden directly

by the user. To solve these issues in Firefox,

1. Go to **File** → **Page setup**.
2. Check the box titled “Print background Images”
3. Uncheck box “Ignore Scaling and Shrink To Fit Page Width”
4. Change each header and footer to `--blank--`.

Finally, use **Print preview** to make sure everything looks as desired.

Chapter 6

Publishing the regatta

This chapter describes the options available and the steps to take to publish reports about the regatta. These reports are made available publicly in real-time on the web at *TechScore*-partner sites, such as <http://regatta.mit.edu>. A sample report from the ICSA Eastern Semifinals 2009 is shown in Fig. 6.1.

6.1 Reports

Regatta reports contain concise information about the regatta and are usually sent out to e-mail lists when a regatta is completed. Usually, these reports contain

- Information about the regatta,
- General observations (or blurb),
- Total results by race (Sec. 4.5.1), and
- Results by division (Sec. 4.5.1);

the last of which contains the information about the sailors.

Whenever a non-personal regatta is setup, *TechScore* automatically creates a skeleton report with those four items, plus a winning team section once the regatta is finalized (Sec. 2.2.1). Note that only public regattas have reports created for them, as these reports are used for communication with third parties, and personal regattas are never published.

TechScore

ICSA EASTERN SEMIFINALS

MIT
May 2-3, 2009
Championship Regatta
Boats: F3

Winning Team



Georgetown University Hoyas

- Cala Johnson '10
- Alexandra Taylor '10
- Evan Aras '11
- Charlie Buckingham '11

Scores by Race

Team	Dir.	1	2	3	4	5	6	7	8	TOT
1 Georgetown University	A	1	6	2	7	2	1	2	7	28
	B	5	6	2	12	7	7	5	5	49
77										
2 Tufts University	A	5	2	6	3	4	11	6	4	41
	B	3	3	5	2	3	10	4	13	43
84										
3 St. Mary's College	A	8	1	5	9	11	4	4	9	51
	B	2	2	4	9	1	2	8	6	34
85										
4 Eckerd College	A	3	11	1	6	7	8	8	1	45
	B	4	16	1	3	9	3	2	7	45
90										
5 Roger Wms Univ	A	2	4	7	15	3	16	1	5	53
	B	6	1	7	13	2	1	7	3	40
93										
6 Stanford	A	7	17	10	1	13	7	3	6	68
	B	9	4	11	5	4	15	10	2	60
128										
7 U.S. Naval Academy	A	12	3	13	2	5	5	5	6	51
	B	7	10	16	18	11	4	13	1	78
129										
8 Boston University	A	4	7	4	14	10	7	3	13	62
	B	1	13	9	8	5	12	9	11	68
130										
9 Old Dominion University	A	10	10	3	12	12	6	11	11	81
	B	12	7	8	4	15	9	1	4	60
141										
10 U. Vermont	A	11	9	10	8	9	3	10	10	79
	B	8	5	6	6	6	14	6	12	63
142										
11 U. Miami	A	17	8	17	15	12	9	2	8	88
	B	11	9	10	1	8	11	3	17	70
158										
12 UC Santa Barbara	A	10	12	9	1	6	2	13	8	61
	B	10	14	12	14	10	8	15	15	98
159										
13 U. Washington	A	15	14	15	4	8	10	12	14	92
	B	15	8	15	17	12	18	14	9	108
200										
14 Tulane University	A	9	5	16	5	13	9	16	17	90
	B	17	12	13	11	18	13	12	18	114
204										
15 Northwestern U.	A	6	18	12	13	14	15	18	14	114
	B	13	18	3	7	16	16	17	10	100
214										
16 U. Minnesota	A	13	15	11	11	18	17	15	16	116
	B	16	17	18	10	14	5	18	16	114
230										
17 Texas A&M Galveston	A	18	16	17	18	16	14	14	12	125
	B	14	15	17	15	17	6	16	8	108
233										
18 U. Michigan	A	14	13	14	16	17	18	17	15	124
	B	18	11	14	18	13	17	11	14	116
240										

A Division Scores

Team	Total	Sailors
Georgetown University	28	Charlie Buckingham '11 Alexandra Taylor '10
Tufts University	41	Tomas Homos '10 Lara Hwa '09
Eckerd College	45	Arthur Blodgett '09 Nicola Luberto '10
St. Mary's College	51	Jesse Kilsland '10 Madeline Jaddson '11
U.S. Naval Academy	51	Andrew Varon '09 Christina Chanon '10
Roger Wms Univ	53	Matthew Duggan '09 Kara Perle '09
UC Santa Barbara	61	John Bani '11 Morgane Renard '12
Boston University	62	Benjamin Spier '09 L Maxwell Burt '10 L
Stanford	68	Cole Hatten '11 Kelly Makenna '09
U. Vermont	79	Tyler Baader '09 Christine Becker '09
Old Dominion University	81	Eyle Rogoshenko '10 Jady Finney '09
U. Miami	88	Nicholas Voss '12 Hannah Wareburn '10 L, L Milo Rocco '12 L
Tulane University	90	Shawn Ryan '11 Mary Duncan '11
U. Washington	92	Falga Lopez '10 L, L Hannah Barris '12 L
Northwestern U.	114	Eric DePinto '12 L Amanda Leigh Snyder '10 L
U. Minnesota	116	Nick Howland '10 Tyler Lorenz '09 L
U. Michigan	124	Kate Hodin '10 L, L Natalie Spivak '12 L
Texas A&M Galveston	125	Christine Barbour '11 L Agnes '11 L Luis Zheng '09 L

B Division Scores

Team	Total	Sailors
St. Mary's College	34	Michael Menninger '11 Kelly Wilbur '10
Roger Wms Univ	40	Cy Thompson '11 Kyrstin Hall '09
Tufts University	43	John Potts '09 Christina Kelly '09
Eckerd College	45	Andrew Kaane '09 Nicole Butchart '10
Georgetown University	49	Evan Aras '11 Cala Johnson '10
Old Dominion University	60	Stephane Robit '11 Alissa Arves '09
Stanford	60	Taylor Grimes '09 Carolyn Phibbs '12
U. Vermont	63	Clinton Hayes '10 Laura Walsh-Rogatti '12
Boston University	68	William Harris '10 Alle Babi '10
U. Miami	70	David Hernandez '12 Noelle Popp '12
U.S. Naval Academy	78	Robert Varon '11 Jaquira Siles '11
UC Santa Barbara	98	John Heston '10 L Ryan Sullivan '12 L
Northwestern U.	100	Christina Nagatani '11 L Kerry Siskin '12 L
Texas A&M Galveston	108	James Costello '09 L Dashi Vanover '09
U. Washington	108	Neari Dominguez '09 Glen Steinhilber '11
U. Minnesota	114	Matthew Thompson '07 Emma Cantel '11 L Eric Toban '12 L
Tulane University	114	Chris Burt '10 Schuyler Hermsdinger '12 L Katie Yorks '12 L
U. Michigan	116	Daniel Morris '10 Britt Wiedenro '11

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Figure 6.1: Image of web report for ICSA Eastern Semifinals 2009

The screenshot shows the TechScore website interface. At the top, there's a header with the TechScore logo and a date 'Mon May. 18, 2009'. On the right, there are weather and user information widgets. The left sidebar contains a navigation menu with sections: Regatta (Home, Races, Teams, Notes, Reports), Rotations (Setup, Tweak, View/Print), RP Forms (RP Forms, Sailors, Unregistered, View/Print), and Scores (Finishes, Penalties, Results). The main content area is titled 'Reports' and contains two portlets. The first portlet, 'Edit Standard report', provides instructions on re-ordering elements and contains a table with the following data:

#	Element
<input type="text" value="1"/>	General information about regatta
<input type="text" value="2"/>	List of approved scorers (race committee)
<input type="text" value="3"/>	Regatta observations
<input type="text" value="4"/>	Information about the winning team (sailors shown)
<input type="text" value="5"/>	Total scores for each race and division.
<input type="text" value="6"/>	RP information for each team

Below the table is a 'Re-order' button. The second portlet, 'Add elements to report', contains a text input field and a 'Done' button.

Figure 6.2: Reports page

6.1.1 Changing report content

Report content is edited using the “Reports” page under the “Regatta” heading of the main menu. This page is shown in Fig. 6.2. It contains two portlets, one for restructuring the content, and the other to add content to the report skeleton.

Restructuring reports

Restructuring a report is done in the first portlet of the “Reports” page. The instructions on the page guide you through the table underneath. Next to each element (Sec. 6.2) in the list is a textbox whose default value is the current order of that element in the report. To re-order the current elements, type the new order in the textboxes. The order is relative, meaning that the numbers need not follow natural order (1, 2, 3...). For example, Table 6.1 shows a possible order to choose for the elements and the actual order that *TechScore* will use. This should make shuffling report elements relatively easy.

Requested Order	Element	Actual Order
4	Regatta observations	2
7	Total scores	3
2	Scores for A division (sailors shown)	1
122	Boat (sail number) scores	4

Table 6.1: Only relative order of report elements matter

To delete an element from the list leave its textbox blank. Once done, click on the **Re-order** button for the changes to take effect. When the page reloads, brief announcement saying “Report edited” will appear on the main menu upon success.

Adding elements

Adding elements to a report is done using the second portlet of the “Reports” page. From the drop-down list, select the item or items to add. Hold down **Control** to select multiple choices from the list. Note that *TechScore* will not allow the same element to appear twice in the same report.

To add the chosen elements to the report, click on the **Append** button. As the name suggests, elements are appended to the current report list. In order to shuffle the order, use the first portlet as described in Sec. 6.1.1.

6.1.2 Viewing reports

Reports cannot be viewed withing *TechScore*. Instead, they are used to communicate with third-party sites. This feature was implemented to direct traffic away from the scoring program and onto other public servers, thus preserving the integrity of the scoring site.

Presently, the third party site is located at <http://regatta.mit.edu>. Look there for information about each public regatta. The site is organized by season and regatta name.

6.2 Elements of a report

This section describes the different items or elements that can appear in reports. Please bear in mind that some of the elements are not yet fully

active. A brief description is provided for each one, and in the case where they are yet to be implemented, they appear with an asterisk in their name (*). The elements are organized into categories.

6.2.1 General elements

These elements contain general information about the regatta, and are usually placed near the top of the report.

List of approved scorers

Also known as the “race committee”, this element prints a bulleted list of the approved scorers for the regatta with school affiliation shown in parenthesis (see Sec. 2.2.2).

Regatta observations

This element prints the comments, or blurb about the regatta. This usually includes summary about the regatta and acknowledgments, as well as comments on weather patterns, race course, and extraordinary circumstances and observations. See Sec. 2.2.1 for details on how to edit the regatta blurb. This element is included by default.

6.2.2 Score elements

These are perhaps the most important elements of the regatta. They list in one form or another the results of the regatta. Except for the first one, all these elements are copies of tables available to the scorer on the “Results” page (Sec. 4.5).

Information about the winning team

This particular element is only shown on the report after a regatta is finalized (Sec. 2.2.1). It displays a table of the winning team with the school burgee, the team name, and the participating sailors, as shown in Fig. 6.1.

Total scores per race and division

This element is the same as the scores table discussed in Sec. 4.5.1, and shows how each team did in each race and in each division, ranking the team by total points among all divisions. This table is included by default.

Total team scores

This element represents the same information in the total scores table discussed above but does not show the individual race finishes. It is the same table displayed in the “Results” page, as discussed in Sec. 4.5.1. Usually this table is omitted in favor of the total scores table.

Scores for a division

For each division participating in the regatta, *TechScore* includes by default an element in the report which ranks the teams only within that division. These tables are discussed in Sec. 4.5.1. This table prints the total score for each team in that division and the participating sailors for each team according to the RP information (Chapter 5).

Boat (sail number) scores

This element ranks the different boat numbers. It is equivalent to the table discussed in Sec. 4.5.1. It is seldom present in official regatta reports.

6.2.3 Sailor elements

RP information for each team

This element is the table discussed in Sec. 5.3. It prints the RP information for each team in the regatta including races sailed where there is ambiguity. Scorers are encouraged not to use this table when also using the default elements “Scores for a division” as discussed in Sec. 6.2.2 above, since both of these tables print the same information. Instead, this table should only be included for single-division regattas, in which case the report should include this table and the total scores table, but not the division results table.

Participating schools

This element prints a list of the participating schools in alphabetical order, with the number of teams for that school in parentheses, if more than one are present. This table is usually unnecessary since the participating schools can be gleaned from any of the scores table.

6.2.4 Races elements

These elements have to do with the individual races, including judges' observations and rotations.

Judge notes

Also known as “Race and on-the-water notes from committee”, this element includes all the notes saved with the regatta, as discussed in Sec. 4.4, as a list of observations organized by race. This item is *not* included by default.

Rotations

This element prints the rotation for the chosen division, as shown in the “View/Print” page of the “Rotations” heading (see Sec. 3.3.5). Rotations are almost never included in final reports, but *TechScore* will include them automatically if no scores yet exist. This is to allow interested competitors and spectators to see the rotations as soon as the regatta is created and before it has officially begun.

6.2.5 Miscellaneous elements

These elements are mostly under testing or development. They may not make it to future releases of *TechScore*.

Comments for each penalty

As discussed in Sec. 4.3.2, each recorded penalty can have an optional comment section. These comments can be included in the regatta, particularly if a regatta has multiple penalties. It is left to the scorer's discretion to publish these or not, as some sailors might not like to have this information disseminated.

Comments for each breakdown

As with penalties, this element prints the comments annotated for each breakdown. Note that the scorer can not choose which breakdowns (or penalties) to print and which to omit. This element prints all the comments for all the breakdowns. It can be useful if a regatta has multiple breakdowns, or if non-average scoring is awarded for a specific breakdown.

Wind conditions*

When entering finishes, scorers are encouraged to enter weather conditions along with the particular race, as discussed in Sec. 4.1.2. Because this information is currently optional, printing the weather conditions for each race is at best not reliable and at worst inaccurate. For these reasons it remains currently unimplemented, unless sufficient user request is made in its favor. When implemented, this element will print a chart showing the wind speed, gusts, and temperature for each race.

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