

The third or last submission

- The attendance of every member of the group is compulsory.
- A presentation of above 45 min. must be prepared.
- The tutor of the project will execute the program following the indications the students give him/her (one cannot expect the tutor to study the manual).

The program cannot fail (it has to behave as it is expected) nor abort (that is to say, to stop working in an unusual way). In case it fails, it will be considered as not submitted. (Remember the rule is: *the interactive evaluation will finish as soon as the first error occurs. Only one evaluation will be performed.*)

Clarifications and specifications:

- 1) Different sets of data must be prepared so that the behaviour of the program in different load states can be tested. For example, initial behaviour (when there is no data), intermediate procedures (different loads of data), the goal of the program (when there is a big amount of data and we want to take advantage from it), the statistics, etc.
- 2) It is necessary to anticipate that during the testing period the tutor may ask for additional information and, therefore, the actual testing time may be lower than 45 min, that is, it is advisable to perform the most interesting tests at the beginning.
- 3) It is not allowed to take out any of the functionalities described in the program specification without the specific authorization of the tutor (keep the e-mail where he/she has stated it).
- 4) Remember that the execution time (efficiency), the habitability or ergonomics of the interface, etc. are taken into account for the final grade of the project.
- 5) Remember that the grade of the last submission will be individual.

Composition of the submission:

- The user manual must cover two aspects: the reference manual (which describes one by one the options of the program) and the user guide (or procedure guide, which describes how you have to behave or how you have to do things in order to properly use the program). It is assumed that it will be only one document.
- Everything will be delivered in a CD. All the subject guidelines - both the general one and those referred to these types of submission - will be strictly followed. Moreover, the manual, the diagrams and the differences between the final program and the original specification will be submitted also in paper.
- On the outside of the CD you must include the following information: the group number (cluster.group), "3rd Submission", and the disk number (n/m) in case there's more than one.
- The structure and the content of the disk will be as follows:

\	(with index.txt and CxxGy.txt files)
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Sources	(it contains all the ".java" source files of the program or programs; the index file is not necessary in any of these directories) ¹	
	Student 1	
	Student 2	
	...	up to the 3 or 4 people who make up the group
	Shared by the cluster	
	Group A	(it will be the 1 st or the 2 nd one)
	Group B	(it will be the 2 nd or the 3 rd one)
	Other sources	(by origins, it may be empty)
	Compilation	(compile instructions document)
EXEC	(executable with all the components and installation procedure)	
	ED1	
	ED2	
	...	
	EDn	(Different assumptions with a brief description of each one. They must allow full testing) ²
Norm	(it is the same as always, without index)	
Diagrams	(one per tier, presentation , domain and data management, the total number of diagrams is 3) ³	
Documentation	(with the "document of differences" that describes and justifies the changes that have been performed since specification. ⁴ - Distribution of the classes among the groups of the cluster, the one of the second delivery, with the columns: name of the class author's group users' group ⁵ - User manual ⁶ , and - Shared classes' diagram.)	

These footnotes are intended to establish a link between what the document *Programming Project Submission Rules* specifies as content of the third submission (literally reproduced in the note) and the contents of the disk proposed herein

- Finally, it is advisable to remember that the *guidelines for CD submissions* state as follows:

9. *Structure of the disks. [...] The one of the 3rd submission will contain folders with the following names and contents:*

- *NORM: same as previous submission.*

¹ Code of all the classes implemented by the group and of the classes shared by the cluster.

² Executable file(s) of the program. Complete test sets to test it(them).

³ The following three diagrams:

- Domain and domain controllers.
- Views and interface controllers.
- Disk managers.

⁴ List of the (justified) differences between what was proposed in the first submission and what has been finally developed.

⁵ List of the cluster shared classes, indicating which group has implemented each one.

⁶ User manual

- *SOURCE*, with the following folders:
 - *COMMON*: shared classes programmed by the other groups of the cluster, plus a file 'accept.txt' in which the members of the group explicitly accept that the shared classes programmed by the other groups comply with the agreed specifications and work fine.
 - One folder for each member of the group, containing the classes that he/she has implemented.
- *EXE*: Executable file(s) of the project and complete test sets.

Each tutor may modify this disk structure; in particular, he/she may ask you to include in the disk some of the documents submitted in paper.

[...]

Any improvement that, without infringing these requirements, makes both the reading and the understanding of the disk and of the work easier will positively affect your grade.