

Software User's Manual

Healthy Kids Zone

Team 14

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Version History

Date	Author	Version	Changes made	Rationale
03/31/14	Yang Wang	1.0	<ul style="list-style-type: none">• Add initial Chapter 1,2,3,4	<ul style="list-style-type: none">• To complete the CCD Package
04/13/14	Yang Wang	1.1	<ul style="list-style-type: none">• Update to all the Chapters	<ul style="list-style-type: none">• System updating, We have to update the UM to match the latest version of our system
04/30/14	Yang Wang	1.2	<ul style="list-style-type: none">• Add image upload	<ul style="list-style-type: none">• To fit with latest changes

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1. Introduction

1.1 System Overview

Community Health Councils (CHC) would like to work with the CSCI577 class to develop a mobile application to map and assess physical assets and detriments to health as part of our initiative to reduce rates of obesity and hypertension in South Los Angeles.

This application will be a part of the REACH demonstration project designed to be replicated on a national scale. This app should focus on our target area in South Los Angeles while maintaining the potential to launch in other cities and be administered by different organizations.

1.2 System Requirements

1.2.1 Hardware Requirements

- a) All smart phones should have Android OS above 4.0.

1.2.2 Software Requirements

- a) A Godaddy Webservice account with at least 1 database, 200 concurrent queries, 10GB memory.
- b) CHC Survey Monkey account.
- c) Google Play installed on mobile.
- d) Chrome 34.0 or IE 8.0.

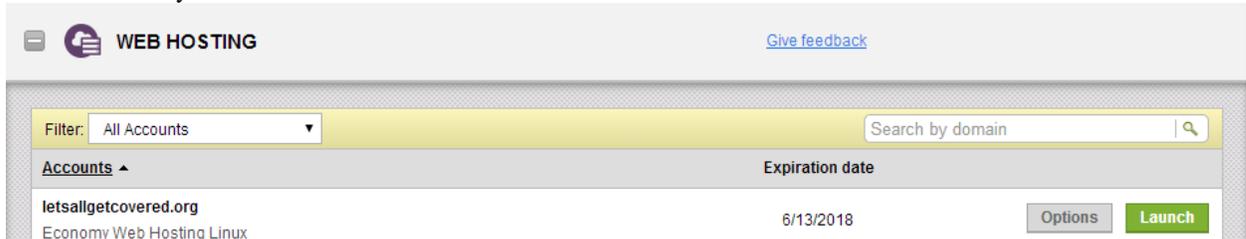
1.2.3 Other Requirements

2. Installation Procedures

2.1 Initialization procedures

2.1.1 Website Installation

- a) Download HKZ Website code from Github: http://github.com/wy_19900814/HKZ
- b) Login CHC Godaddy account
- c) Launch Godaddy Web Server



- d) Open the File Manager



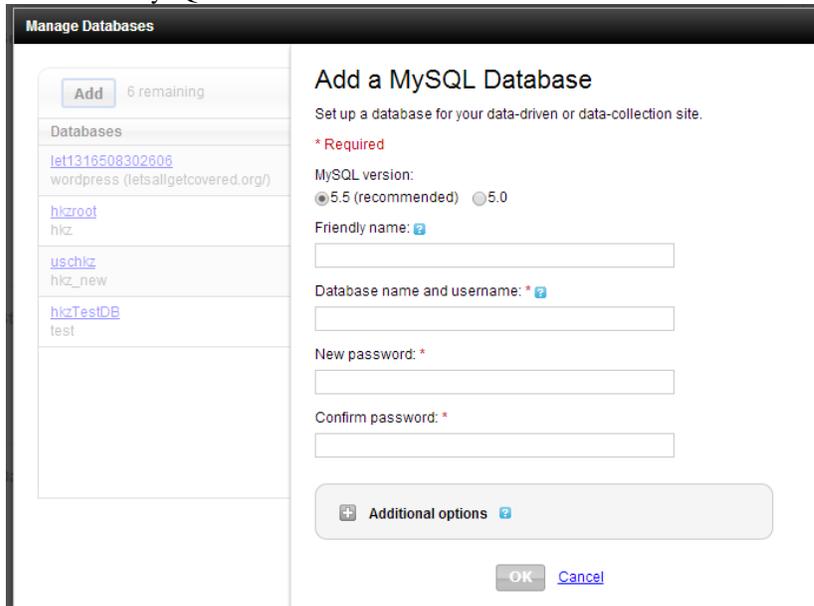
- e) Upload the HKZ folder to Godaddy by using "Upload Folder"



- f) Close File Manager and Open MySQL



- g) Add a new MySQL database



The HKZ database username and password must be "uschkz", "....." Otherwise, we couldn't start our system.

- h) Use Login to HKZ database by using PHP admin



- i) Click import, choose the “HKZ_DBStructure.txt” in /HKZ folder and upload it.



Import

File to import

Location of the text file: (Max: 1,024 MiB)

Character set of the file:

Imported file compression will be automatically detected from: None, bzip2, zip

- j) Open a browser and type in www.letsallgetcovered.org/HKZ/index.php to start HKZ!

2.1.2 Mobile App Installation

- a) Download HKZ Survey App from <http://greenbay.usc.edu/csci577/fall2013/projects/team14/FD/index.html>

The file name is HKZ.apk.

Download HKZ.apk from the website and install it on mobile app.

2.2 Re-installation

2.2.1 Web Re-installation

Reprocess all the procedure in Chapter 2.1.1 except Step e).
In Step e), we need to check the overwrite file option and upload new files.

Overwrite file

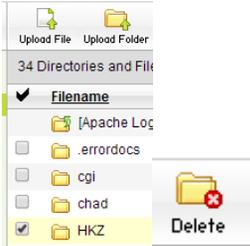
2.2.2 Mobile Re-installation

- a) Delete HKZ Survey App in your phone.
- b) Download it from Greenbay: <http://greenbay.usc.edu/csci577/fall2013/projects/team14/FD/index.html>

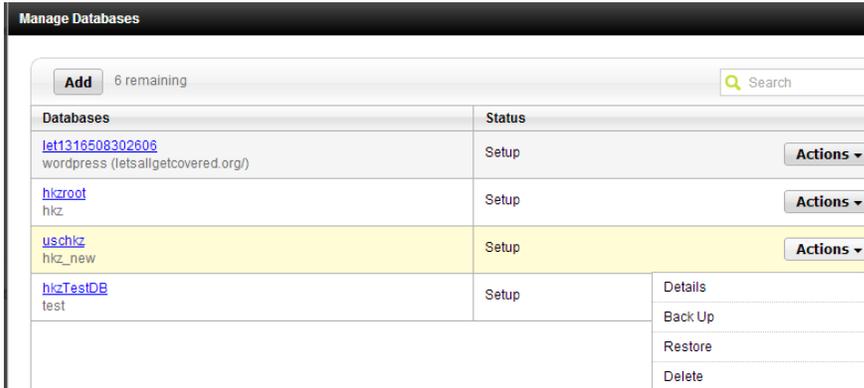
2.3 De-installation

2.3.1 HKZ Website

- a) Login to CHC Godaddy account
- b) Launch Godaddy Web server
- c) Open File Manager
- d) Select HKZ in the file structure and click delete.



- e) Close File Manager and open MySQL
- f) Choose uschkz database and click delete.



2.3.2 Mobile App

To uninstall HKZ Survey App, the user could simply click the icon of the app and delete it.

3. Operational Procedures

3.1 Survey Monkey

3.1.1 Survey Creation

The HKZ administrator must obey the following rules when they creating a survey in Survey Monkey.

- a) The administrator shall create HKZ surveys within Survey Monkey starting with the string “HKZ_” in the survey title
- b) The HKZ survey shall separate questions into 3 pages, Block, Tally and Other.
- c) The HKZ survey shall identify questions of block category on one Survey Monkey page titled “Block”
- d) The administrator shall create a block category question for an HKZ survey within Survey Monkey with either of the following Survey Monkey question types:
 - Multiple Choice(one answer)
 - Multiple Choice(multiple answers)
- e) The HKZ survey shall identify questions of tally category on one Survey Monkey page titled “Tally”
- f) The administrator shall create a tally category question for an HKZ survey within Survey Monkey with either of the following Survey Monkey question type:
 - Descriptive Text
- g) The HKZ survey shall identify questions of other category on one Survey Monkey page titled “Other”
- h) The administrator shall create a other category question for an HKZ survey within Survey Monkey with either of the following Survey Monkey question types:
 - Multiple Choice(one answer)
 - Multiple Choice(multiple answers)

3.2 HKZ Website

To make a survey work on mobile you need to complete the following procedure:

- 1) Survey Import
- 2) Image Upload
- 3) School Creation
- 4) Path Creation
- 5) Association Creation
- 6) Survey Deployment

3.2.1 Survey Import

- a) Click Import button on the Navigation Bar
- b) Finished Survey Monkey Oauth-Authorization (Typing in CHC Survey Monkey credentials)

SurveyMonkey®

Authorize HKZSurvey to use your SurveyMonkey account.

Username:

Password:

[Forgot your username or password?](#)

[Don't have an account yet?](#)

- c) Select a survey in Survey Monkey List and Click “Move” button. Then the survey would be import.

Survey Import

Survey Monkey List

- HKZ_Error Page Name
- HKZ_not enough page
- HKZ_Error question type

Database List

- HKZ_Test
- HKZ_Test Delete
- HKZ_Test2

- d) Select a survey in Survey Monkey List and Click “Remove” button. Then the survey and all the survey results and path-survey associations related to that survey will be deleted.

3.2.2 Image Upload

- a) Click Import→ Image Upload
- b) Select a survey, question category, and question number
Choose a image on your computer

Survey List:
 Question Type:
 Question No.:

Search for image: burnout para... pegi 7+.jpg

Associate Image:

Question Content

Did you see a hospital?

- c) Click upload button.

3.2.3 School Management

- a) Click Configuration→school on the navigation bar

Configuration ▾ Dep

- School
- Path
- Association

- b) **School Creation:** You can create a school by typing in the school address and school name in the text field.

School Address:

School Name:

- c) **School Modification:** You can choose a school and typing a new name in text field to rename the school.

School:

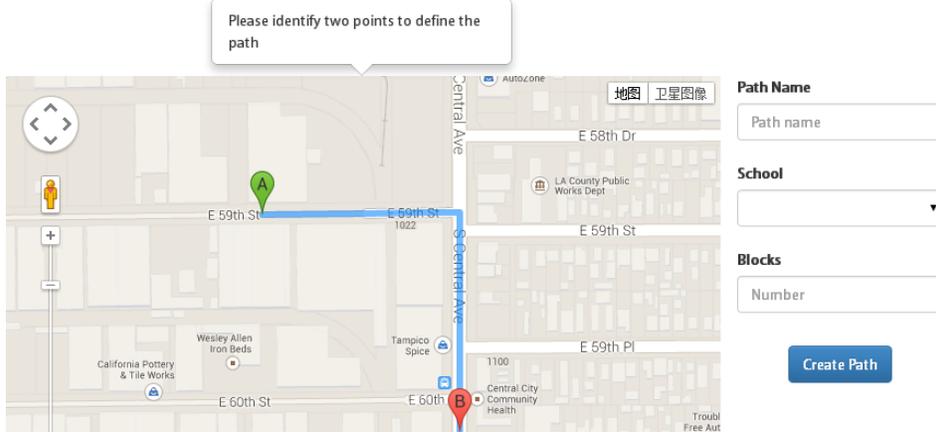
School Name	School Address	New School Name	
UCLA	UCLA,LA	<input type="text"/>	<input type="button" value="Update"/>

- d) **School Deletion:** Click the delete button and then the related school will be deleted!

School Id	School Name	School Address	
1	USC	USC, LA	Delete
2	UCLA	UCLA, LA	Delete

3.2.4 Path Management

- a) Click Configuration → path on the navigation bar
 b) **Path Creation:** To complete path creation, you need to enter the Path Name, select a school which the path belongs to, enter the number of blocks, and identify the start and end points on Google Maps Box.



- c) **Path Modification:** To complete path modification, you need to choose the path you want to change, and type in the new name of the path, and click update button.

School Name Path Name

Change Path Name [Update](#)

- d) **Path Deletion:** To complete path deletion, you can just select the checkbox behind the path you want to delete, you can select multiple paths, and you could also use school dropdown list to filtrate surveys.

[View Path](#)
[Create Path](#)
[Modify Path](#)
[Delete Path](#)

School [Delete Path](#)

Path Id	Path Name	Start Point	End Point	School Name	<input type="checkbox"/>
1	Jefferson	(34.03, -118.29)	(34.02, -118.28)	USC	<input checked="" type="checkbox"/>
2	Hoover	(34.02, -118.28)	(34.03, -118.28)	USC	<input type="checkbox"/>
3	Gayley	(34.07, -118.45)	(34.07, -118.45)	UCLA	<input type="checkbox"/>
4	Hilgard	(34.07, -118.44)	(34.06, -118.44)	UCLA	<input type="checkbox"/>

3.2.5 Association Management

- a) Click Configuration → association on the navigation bar
 b) **Association Creation:** To complete an association, you need to choose a school and a path at first. After you selection, the left side is unassociated survey list which means these surveys haven't been associated

with selected path.

You can choose one survey and click create, and then the association will be created.

- c) For the users’ convenience, we create an “all paths” option in path list. If the user choose “all paths” and select a survey, then this survey will be associated with all the paths of USC.
- d) **Association Deletion:** Select a school and a path. Then choose a survey in Associated Survey list, click delete.

3.2.6 Deployment

- a) Click Deployment button on the Navigation Bar
- b) **Survey Deployment:** To complete Survey Deployment, simply choose a survey in the Inactive Surveys list and click Deploy.

- c) **Survey Retraction:** To complete Survey Retraction, simply choose a survey in the Deployed Surveys list and click Retract

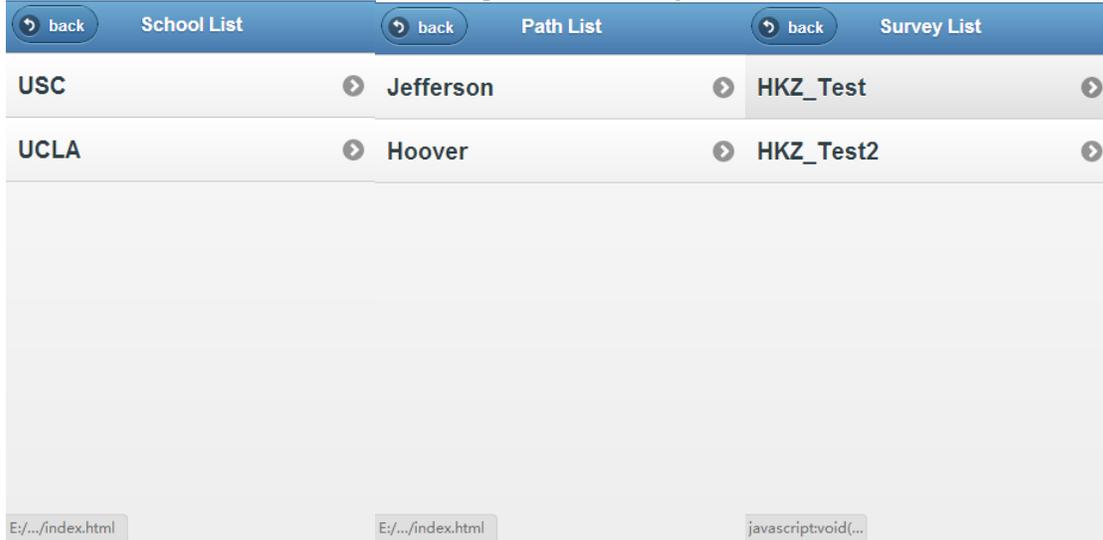
3.2.7 Export

- a) Click Export button on the Navigation Bar
- b) Select the survey you want to export
- c) Click export button.
- d) A csv file containing survey results will generate.

3.3 HKZ Mobile App

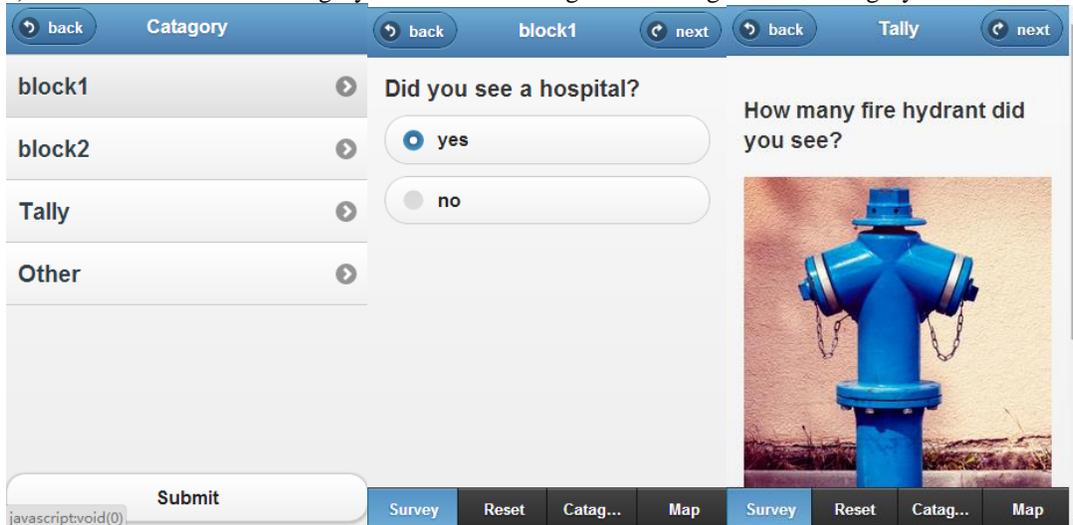
3.3.1 School/Path/Survey Selection

- a) Simply clicking the school/path/survey you want to finish.
- b) You could also use back button on the left-top of the screen to go back.



3.3.2 Question Completion

- a) It is very straight forward for user to finish the multiple choice question & Tally questions.
- b) The user could also use back/next button to navigate between questions.
- c) The user could click category button on the navigation bar to go back to category screen.



3.3.3 Map/Markers

- a) Click Map on the navigation bar



- b) In Google Maps Box, click a point on Google Map and enter comments to the text box. Click Save.



- c) A marker will display on the map



- d) You could also delete the marker by click remove button.

3.3.4 Survey Cancellation

- a) Click "Reset" button on navigation bar.

3.3.5 Survey Submission

- a) Click "Submit" button on category screen
 b) Be care: the survey can be submitted if and only if all the questions have been answered.

4. Troubleshooting

4.1 Frequently Asked questions

- a) Q: What should I do if I cannot use “Upload Folder” function in Godaddy File Manager?
 A: Sorry. Then you have to create a folder named HKZ and then upload all the files to HKZ folder by using “Upload File” button. If there is a sub-folder in HKZ, you have to manually create all the sub-folders.

4.2 Error Codes and Messages

Error Description	Explanation
Error Page Number	Your survey monkey survey must exactly 3 pages. This messages means the page number of the survey isn't 3.
Error Question Type	This message means the question type isn't multiple choice or description text which is not allowed.
Error Page Name	The first page must names "Block", the second names "Tally" and the third names "Other".