Mobile Survey App

Software Documentation

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Installation Guide

- Download XAMPP from https://www.apachefriends.org/download.html .Various version of XAMPP can be downloaded according to your distro type.

- Download Android studio and SDK tools from this link: https://developer.android.com/sdk/index.html .

- Download jQuery source file from https://jquery.com/download/ .

- Download twitter bootstrap from http://getbootstrap.com/ .

- Download the source code of application from this link: https://github.com/CSC-ORG/Mobile-Survey-App-2015

- The above downloaded files should be saved within the "htdocs" folder (this folder is situated within XAMPP folder).

- After the file has been saved goto this link: https://localhost/folder_name/test.php in the browser.

- If after visiting this link you are able to see homepage where you can create new surveys then you have successfully installed the software.
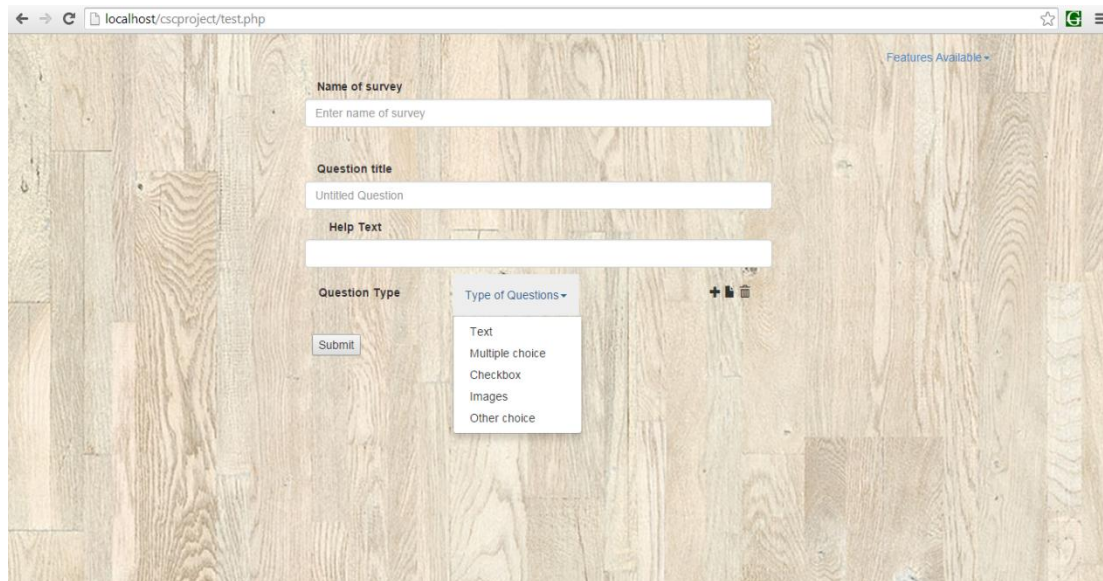
- Install the survey apk on your android phone.

Application Configuration

- The application makes use of MySQL database to store content of surveys. In order to connect to database all the configuration details can be found in the db.php file.

- The file contains the variable $dbuser which stores the username of the admin of the database and $dbpass which stores the password of the admin of the database.

- After you have configured the "db" file then you need to create tables in the database.

- Goto this link: http://localhost/phpmyadmin/ in the browser and then create a database by the name "survey".

- Within the database start creating the tables. The first table need to be created by the name "questiontable". The structure of table should be made like this:
  surveyno (type: int)
  qno (type:int)
  questiontitle (type: varchar)
  noofoptions (type: varchar)
  options (type: varchar)
  image (type: longblob)
  thumb0 (type: longblob)
  help (type: varchar)

- The second table should be created by the name "surveytable" and its structure should be made like this:
  emailid (type: varchar)
  surveytitle (type: varchar)
  surveyno (type: int)

- The third table should be created by the name "responsetable" and its structure should be made like this:
  emailid (type: varchar)
  surveyno (type: int)
  type (type: varchar)
  options (type: varchar)
  eno (type: int)

- The fourth table should be created by the name "clienttable" and its structure should be made like this:
  emailid (type: varchar)
  password (type: varchar)
  name (type: varchar)
  age (type: int)
  gender (type: varchar)
  city (type: varchar)

- The fifth table should be created by the name "user" and its structure should be made like this:
  emailid (type: varchar)
  userid (type: varchar)
  password (type: varchar)
  fullname (type: varchar)

- In android studio go to "Login.java" and change the value of variable "ip_address" to your servers' ip_address.

User Manual

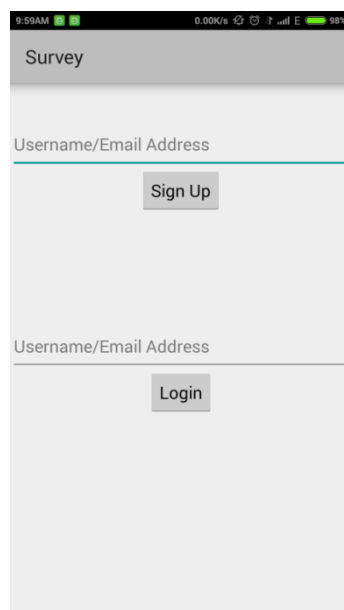The home page of survey application looks like this

The survey provides you with several fields. The description about the field can be found below:

- The first field is labelled by Name of survey and asks user for the name of survey.

- The second field is labelled by Question Title and asks user to enter the title of question.

- The third field is labelled by Help Text and asks user to enter a text which may help the user to answer the question.

- The fourth field is labelled by Question Type and presents users with options to select different type of questions. The description about the type of questioncan be found below:
  - The first question type is "Text". The user can select this type of question when he wants to ask question which are of descriptive type.
  - The second question type is multiple choice. The user can select this type of question when he wants to asks question which are of multiple type.
  - The third question type is "Checkbox". The user can select this type of question when he wants to asks question which can have various answers.
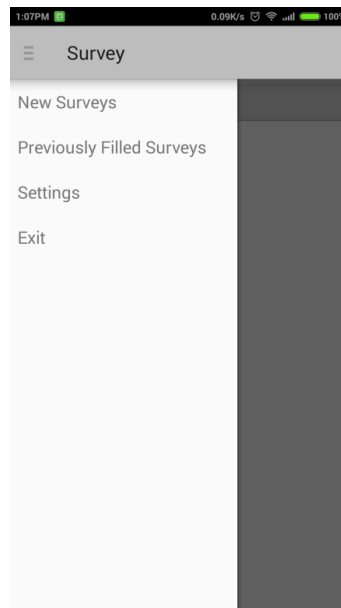
- The fourth question type is "Image". The user can select this type of question when he wants to asks question in which image identification is required.

- The user who is making the user is allowed to add any number of question but the number of options that he can provide within a question has been limited to six.

- The user is also provided with facility of deleting questions which he does not want to keep in the finally created survey.
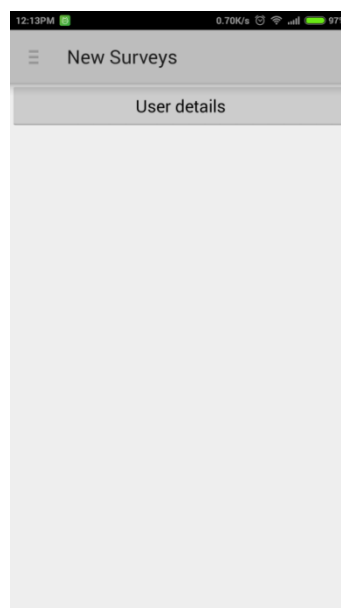
Android Application:

- The login/signup page of android application looks like this. It is a onetime login/signup required when you install the application for the first time.

- The main page of the application contains a navigation drawer which looks like looks like this.

- The navigation drawer gives us access to

  - New Surveys
  - Previously Filled Surveys
  - Settings
  - Exit

- The New Surveys are downloaded directly from the server to the android application. The user can choose to fill the survey by clicking on the survey.

- All the questions and options along with images are displayed in the application. The user is required to fill the answers and press the submit button.

- The responses are uploaded to the cloud database.
- The option, Previously Filled Surveys, allows the user to view the questions and the responses to all the surveys filled by him previously

- The settings option provides basic setting options like Message Tone, Notifications, Logout.
- The exit option is used to shut down the currently running instance of the application.