Installation and User Guide

Group 9

Android Application

Preface- All testing was done on a Samsung Galaxy S3, as well as all cosmetic alterations, the testing device runs Android 4.1.2. This application was also tested using the packaged emulator with the Eclipse ADT IDE. This application has no issues with backwards compatibility for earlier versions of Android. Methods from the DBTools class have been removed since the UML diagrams were made, these methods were not in production use then and have now been removed for code clean up. This application is optimized for portrait viewing and not landscape. In the android source code folder there will be two projects, the Celebration App folder contains all of the code written for the project. The Android-Volley-Master folder is an extra library which is used for our source code, should you want to run the android source code this folder will need to be imported as well.

**Installation**

**Setting the app:**

1. Before installing the application make sure the device has “unknown sources” checked. This will ensure that the application has permission to be installed. This method is only done for users not installing the application from the play store (play store installations not supported at this time.) The location of unknown sources option will vary with different versions of android and different overlays (depending on the manufacturer of the device). Please consult Google or your phone’s own instruction guide to find this option.
2. Transfer the apk file provided to your device:
3. If you have a dropbox account as well as the dropbox application installed on the device, move the apk file to your dropbox folder. Then open the dropbox application on your device and export the apk to the internal sd card.
4. Alternatively you may transfer the apk to the device’s internal sd card by connecting the micro-usb to usb cable to your computer and moving it over using your default file manager application.
5. Once transferred onto your device navigate to the file using a file explorer application such as ES File Explorer (can be downloaded from google play store) and tap on the apk to install the application.
6. You are now able to launch the application through the app drawer.
   1. NOTE-In order to get the information from the database from the local server you will have to attain the IPv4 Address of the local server
   2. Open the source code for the android application and navigate to the Main Activity class
   3. In the GetData() method there will be three URLs, one after the other. Change the IP address located in those URLs to the IPv4 Address attained in step 4a

**User Guide**

* Show Personal Schedule: From the first screen click the “Show Personal Schedule” button. This button allows the user to view all events that the STARS member is planning on attending. It is personalized to that particular person based on the events that they favorite out of the general conference schedule. Clicking on any of the events shown on any of the days will take the user to the Event Profile page for that event. From this page the user can select the star icon in the lower right to remove this event from their personal schedule. First time use of this button, or any of the three buttons on the main screen, must be done with an Internet connection to gather the appropriate data. Subsequent uses to not warrant an Internet connection. No tabs will show up for the Personal Schedule until the user adds an event via the aforementioned star icon from the Tabbed Schedule button.
* Show Schedule Tabbed: From the first screen click the “Show Personal Schedule” button. This button takes the user to the whole conference schedule as made by the STARS admins. This schedule is split into the days that the conference is taking place on. The schedule is natively ordered by time but the user can change that order by selecting the Filter button in the upper right, this context menu allows the user to change the ordering to list by: time, author, or track type. Selecting any of the events from the list on any of the days will take the user to the Event Profile page. From this page the user can select the star icon in the lower right to add/remove events from their personal schedule. First time use of this button, or any of the three buttons on the main screen, must be done with an Internet connection to gather the appropriate data. Subsequent uses to not warrant an Internet connection.
* View Map: From the first screen click the “View Map” button. This button shows the user the map image that is provided by the STARS admins using the Web Application in the form of a URL. First time use of this button, or any of the three buttons on the main screen, must be done with an Internet connection to gather the appropriate data. Subsequent uses to not warrant an Internet connection.
* Viewing Room: To view events occurring in a single room, the user must navigate to an event profile for an event which is occurring the room they wish to see more of. Click on the Room # to view the list of events occurring in that particular room. This list is not filterable but is sorted by time.
* Viewing Authors: To view events occurring under a specific author, the user must navigate to an event profile for an event which the desired author is a part of. Some events have multiple authors, as such, the author listing will be horizontally scrollable. Clicking on any of the names shown on that line will show the user a list of events for which that author is a part of. This list is not filterable but is sorted by time.

Web Application

Preface- All coding for this application was done using the XAMPP set up listed below. These are not the instructions to be followed by the STARS admins for their set up as they will have a different server configuration.

**Installation**

**Setup XAMPP:**

1. Download XAMPP for your particular system configuration and platform.

**Link**: <http://www.apachefriends.org/en/xampp.html>

1. Follow the on screen instructions that will install the application.
2. Keep the checkbox that starts XAMPP control panel checked.
3. Once installed, click on the XAMPP icon in the notification tray to open the application or alternatively click on the program shortcut to launch it.
4. When launched, click on the **config** button to configure autostart of modules.
5. Check the Apache and MySQL checkboxes and click **save**.
6. If Apache and MySQL modules are not already started, start them.

**Setup Web Application:**

1. Assuming the source code zip for both the web application and the android application have been extracted, move the **StarsCelebrationWeb** folder into **C:\xampp\htdocs**. This is also assuming that the default installation path has been selected.
2. On the XAMPP control panel, click on the **Admin** button to access the administrator dashboard for the database.
3. Click on the **Import** button to import sample data.
4. Click on **Choose File** and navigate to **C:\xampp\htdocs\StarsCelebrationWeb**
5. Choose the **test.sql** file, leave all other fields default and click **Go**.

After following these steps you may now access the web application by navigating to this URL: <http://localhost/StarsCelebration/> on your default web browser.

**User Guide**

**Conference:** User clicks on **Conference** to navigate to functions that are related to this portion of the application.

* Adding a new conference: When trying to add a new conference the user would click on the **Add Conference** hyperlink and enter the required fields: name, year, location, phone number and a map. The STARS admin will upload a URL to the map image rather than the map itself as a file.
* Edit an existing conference: To edit a conference that already exists in the database, the user would click on the **Edit Conference** hyperlink to view the conferences that are available to be edited. Once the conferences are visible, an option to edit the conference is available. Once the **Edit** hyperlink is clicked the fields of that particular conference are free to be modified. Once done select the Edit button.
* Deleting an existing conference: To delete a conference that is pre-existing, the user would click on the **Delete Conference** hyperlink to view all the conferences that are available for deletion. Once the user has chosen the conference they would like to delete, he or she would simply click the **Delete** hyperlink to delete the conference. A message will pop up to let the user know that the conference has been deleted from the database.

**Event:** User clicks on **Event** to navigate to the functions that are related to this portion of the application.

* Adding a new event: To add a new event click on the **Add Event** hyperlink and enter the required fields. If the user wishes to add multiple events of the same event for reoccurring events for example they would click on **Add Field** and enter the location, date and time for the next occurrence.
* View all events (edit and delete): To view all the events created the user would click on **All Events**. The user now has the option to edit any fields of the event (the ID, name, author name, conference year, description, category, and a URL to the survey) or delete an event entirely.
* View all sessions (edit and delete): To view all the sessions created the user would click on **All Sessions**. He or she would then be presented with an option to **Edit** the session’s information such as the ID, location, date, and time. Alternatively, they may also be able to **Delete** a particular session if they choose to.