



CON-venient Project Report (Team 3)

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Wei Shao Mei (Team 3)

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Overview

CON-venient is an Event Management Android Application that could be used to view details about an event by users. Here the domain that we are mainly dealing with is the Job Fairs or Conventions that are held the year round. This event is mainly targeted towards the attendees of the events so the details are entered through a web portal which is viewable by the attendees using our Android App.

Each Time the Attendees sign in to the App the Android Device synchronizes with our web service and also remembers Attendee Preferences and only show those Events which are of their interest.

Notes

1. A working Internet Connection.
2. Android API Level of atleast 14 or above.
3. External QR Code Scanning Application installed on the Phone (or can be installed from within our Application itself).

Requirements/Features (Modules)

1. **Add Events to My Favorites** : Users have the option to search for Events on a Database and add them to Favorites for easier access and viewing details corresponding to it.
2. **Calendar & Scheduling** : App uses custom calendar to show events dates and time. Users can sync events with Personal Calendar.
3. **Pulling Events from a server**: Web server to host the list of all events available for the app
4. **Personal Notes** : Ability to take personal Notes as and when required which will be stored and existing Notes are also shown here.
5. **QR Code Scan Feature** : Users will be able to scan QR Code .Using the external QR scanner the information corresponding to that QR code will be scanned and

transferred back to our app which gets displayed to the User in a webview within our app.

6. **Telephony** :Invoking Phone calling feature when selecting the Phone Number shown on the Details Page using Linkify.
7. **Address** : Clicking on an Address For an Event should load the Address on to a default Map Viewer Application in the Phone.

Higher Level Design

1. **Feature** : 9patch buttons
People Involved : Ayesha Ahmed
2. **Feature** : Webserver for Providing Data
People Involved : Unnikrishnan Sasikumar
3. **Feature** : Tutorial
People Involved : Ayesha Ahmed

TestCases

4. **Feature** : Saving Events to user preference
People Involved : Wei Mei
Test Cases:
Test 1: Add Event from “add event” screen
Test 2: Checkboxes persist when going through app and returning to “add event screen”
Test 3: Events are saved when app is closed and loads them when reopening app.
Test Report: All test cases passed.
5. **Feature** : QR Code Reader
People Involved: Shouvik
Test Cases:
Test 1: QR code is in settings menu
Test 2: Opens a installed QR code reader

Test 3: Asks to install a QR reader if none is installed

Test 4: QR results opens in a webview within the app.

Test Report: All test cases passed.

6. **Feature** : in-app browser

People Involved: Ayesha Ahmed and Shouvik Dutta

Test Cases:

Test 1: When QR Code is scanned the website is opened within the Activity of the project and not in a separate browser

Test Report: All test cases passed.

7. **Feature** : Navigation Drawer

People Involved: Ayesha Ahmed

Test Cases:

Test 1: in Event Activity when navigation icon (three lines) clicked drawer opens and navigation icon becomes back arrow

Test 2: in Event Activity when drawer is open pressing back button (back arrow) closes drawer

Test 3: in Event Activity when swipe right navigation drawer opens

Test 4: in Event Activity when drawer is open swipe left closes drawer

Test 5: drawer list items are clickable (some but not all have an attached view)

Test Report: All test cases passed.

8. **Feature** : Event Booth List SearchBar

People Involved: Ayesha Ahmed

Test Cases:

Test 1: in Booth List when we begin typing case-sensitive letters of item it will show the items that match our typed entry.

Test 2: Booth List is clickable.

Test Report: All test cases passed.

9. **Feature** : Calendar Functionality

People Involved: Unnikrishnan Sasikumar

Test Cases:

Test 1: When we open Calendar It should show all the days when Events are there as being highlighted in red.

Test 2: When we click on a day in a Calendar having an event it should show all the Events on that day in the list view at the bottom with details pertaining to that day such as event name,location(if present),time and date , and notes if any pertaining to that event .

Test 3: Clicking on the Next or Previous Button should show all the Events for the next or previous month.

Test Report : All Test Cases Passed

10. **Feature :** Event Map webview

People Involved: Ayesha Ahmed

Test Cases:

Test 1: in Event Map it should load the url for the map and it is scrollable.

Test Report: All test cases passed.

11. **Feature :** Start Information

People Involved: Ayesha Ahmed

Test Cases:

Test 1: When the list of events on Main page is empty the Start Info Text will be displayed.

Test Report: All test cases passed.

12. **Feature :** Creation of Android Web Service Client

People Involved:Unnikrishnan Sasikumar

Test Cases:

Test 1:When we click on Add/Remove Events all the events should be obtained from the Web Service and be populated.All the other corresponding booth lists and other details should also be obtained directly from the webservice.

Test Report: All test cases passed.

13. **Feature:** Creation of a Rest based Web Service which will serve all the Event Details from a publicly available URL.

People Involved:Unnikrishnan Sasikumar

Test Cases:

Test 1 : When you browse to the URL <http://helloworldrs-thisisit.rhcloud.com/rest/xml> the corresponding Events and Event Details will be shown in URL. This Data from the Web Service will be updated based on the realtime information at that time.

Test Report: All test cases passed.

14. **Feature:** Showcase View Tutorial

People Involved: Ayesha Ahmed

Test Cases:

Test 1 : Tutorial will show only on the first launch

Test Report: All test cases passed.

GitHub URL :

https://github.com/wmei1/cs442_project.git



