Project's Test Document
IIT Ropar App

(Version: 1.0)

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1 Introduction

To ease students' stay at IIT Ropar, and provide one click access to all relevant event updates at the institute.

2 Unit Test

The overall design is broken into two main features. The description of these are given in the following subsections. We shall write 3 unit test cases for each listed item.

2.1 Android App

The App has been broken into 4 modules

2.1.1 Profile Management

This module has 3 activities- Login, Register, Update Profile. The test includes following

Figure 1: Login Page

- Create a new user based on type - student, faculty, staff - with an iitrpr email

- Login that User

- Update Profile for User

- Generate Password Reset Link

- Able to store the login info locally on mobile for one-time sign-in support.

2.1.2 Organizer Mode

This module has 2 activities- CRUD a particular event and List all Organised Events.

- Able to create a event and poll.

- Able to update, delete that event.

- Able to convert poll from event.

- Able to list all organised events.

- Able to view count of upcoming participant for an organised events.

Figure 2: Create Event Organizer.png

Figure 3: Organizer List

2.1.3 User Mode

This module has 2 activities-

1. List all Events

   - Able to list all events.
   - Able to sort events based on popularity, newly added, date.
   - View event based on category - Cultural, Sports, technical, Academic.
   - Listed event all only based on type - public for all and rest visible only to that type - student, faculty, staff

2. CRUD his "entry"

   - Able to create his entry - Going, Not-Going, Notify.
   - Able to RUD his entry for an event.
   - Able to set notification and calender reminder for interested event i.e. (Going + Interested)

2.1.4 Guest Mode

Able to list all public events.

Figure 4: List and Sort all Events

Figure 5: Event Details View

Figure 6: Manage Interested Events - User "Entry"

2.2   PHP + mySQL

The mySQL databale has 3 table consists

1. Users - Store user profile

2. Events - Store all event related details with organizer id

3. Entry - Store entry for a user-id for an event-id

Now their are php scripts to access and update these data

2.2.1   Login.php

Able to authenticate login for a user-id.

2.2.2   Register.php

Able to register a new user having unique email iitrpr email.

2.2.3   ReadProfile.php

Able to retrieve profile details of user-id.

2.2.4   Update.php

Able to update profile details of user-id.

2.2.5   Password.php

Able to generate forget password link.

2.2.6   List-Event.php

Able to retrieve all organised event info for an event in sql table for a organizer-id, category, type based on user-id.

2.2.7   Read-Event.php

Able to retrieve details for an event in sql table.

2.2.8   Create-Event.php

Able to create new row for an event in sql table for a organizer-id.

2.2.9   Update-Event.php

Able to update info for an event in sql table, organizer-id is correct.

2.2.10   Delete-Event.php

Able to delete info for an event in sql table, organizer-id is correct.

2.2.11   Create-Entry.php

Able to create new Entry in sql table for user-id and event-id.

2.2.12   Read-Entry.php

Able to read an Entry in sql table for user-id and event-id.

2.2.13   Update-Entry.php

Able to update an Entry in sql table for user-id and event-id.

2.2.14   Delete-Entry.php

Able to delete an Entry in sql table for user-id and event-id.

3   System Test

When whole module is integrated a user should be to perform all actions synchronously. We plan to write 10 cases. The cases test interactions of all the module where php scripts are called by volley in android which in then processed by the app. There will be 3 kinds of tests -

- A test where a create a register, forgets password, login using app and update his/her profile.

- After login able to view events and CRUD his entry for his event. For e.g. In particular test multiple events will be created and user will test categorization and sorting.

- Based on his entry will the phone reminders and notification be set.

- The user can act as organizer and CRUD event. For e.g. The organizer is able to push event notification and able to prune the target audience.