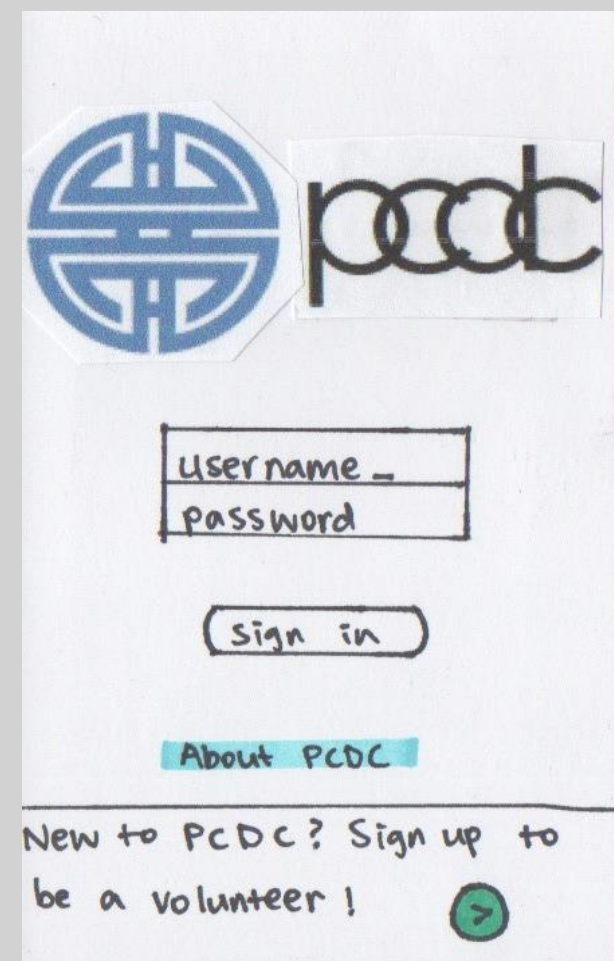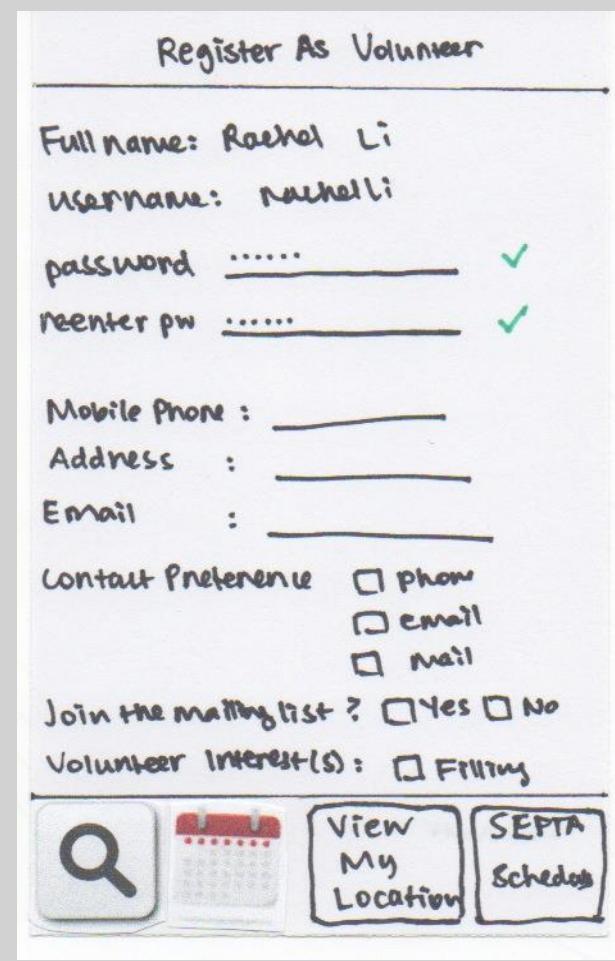# PCDC Volunteer Android Application
Department of Computer Science | Haverford College
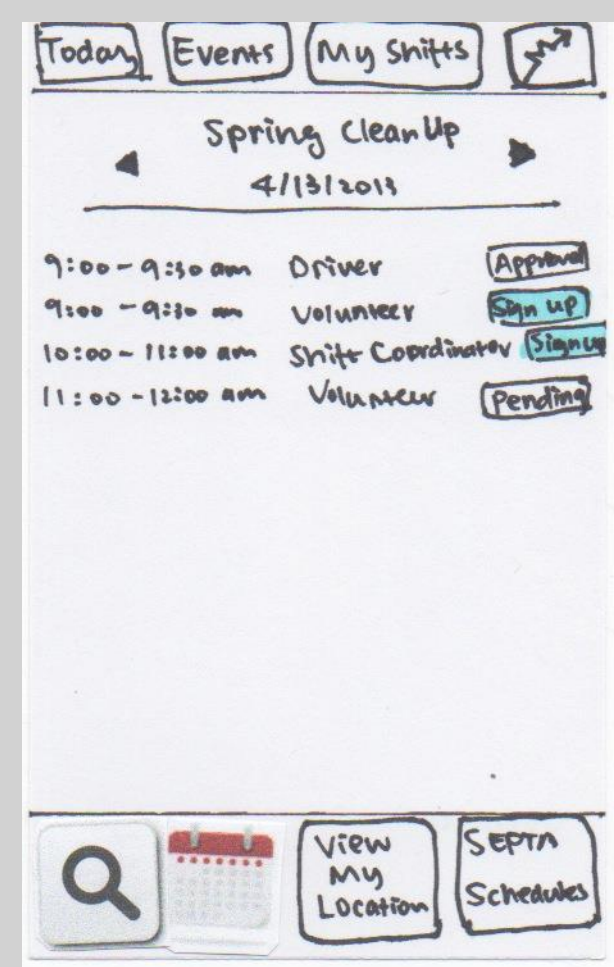
Prototype Design:

1. Login

2. Registration

3. Calendar
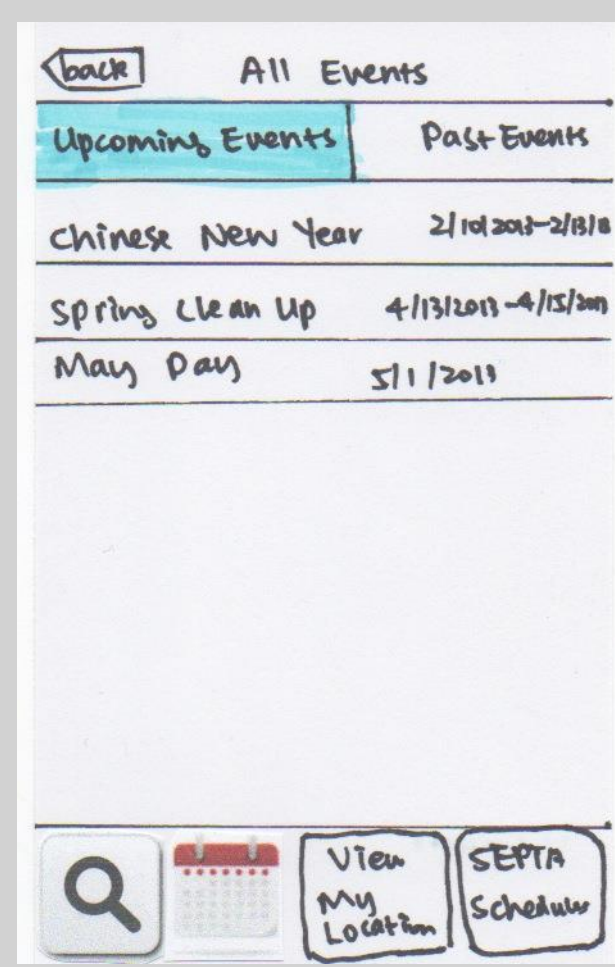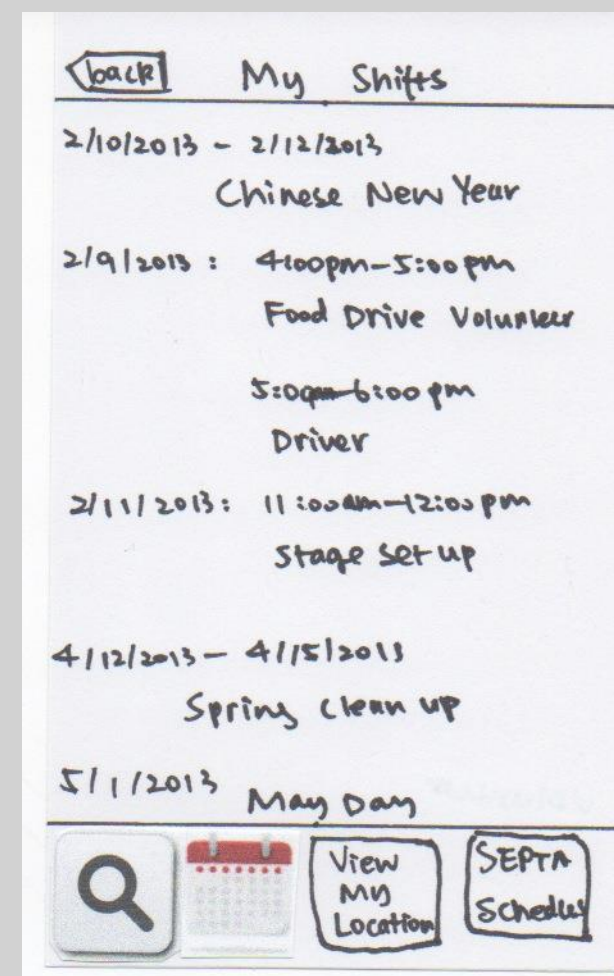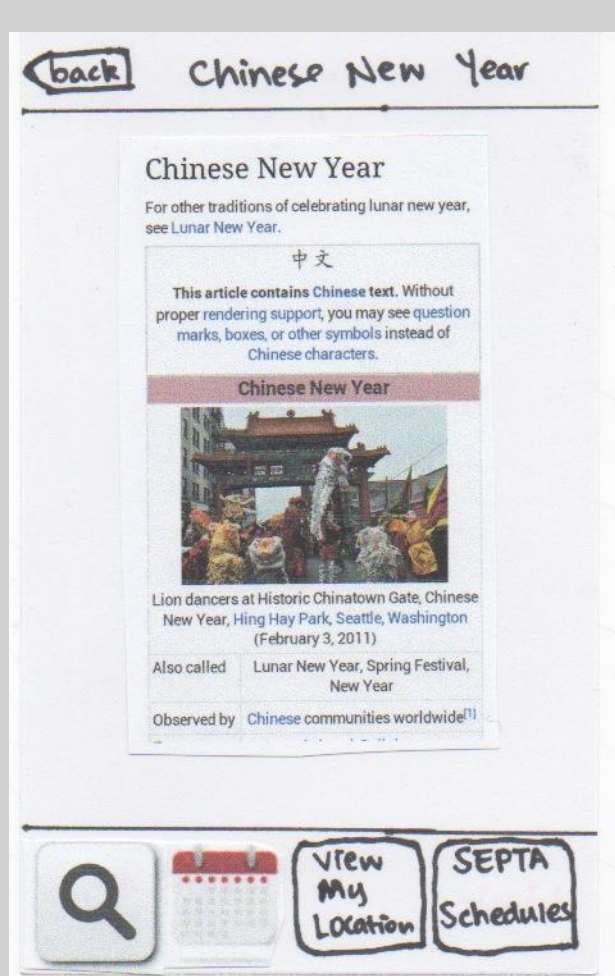

4. Events
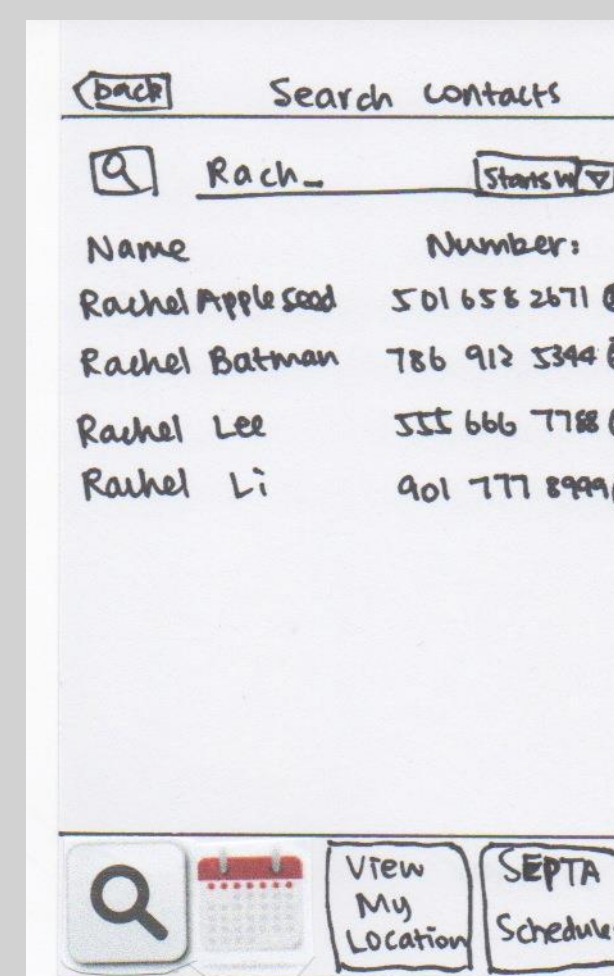

5. Shifts

6. Event Descriptions

7. Search Contacts

8. Track Location

Rachel Mak, Deputy Director of PCDC, testing our app for user experience study.
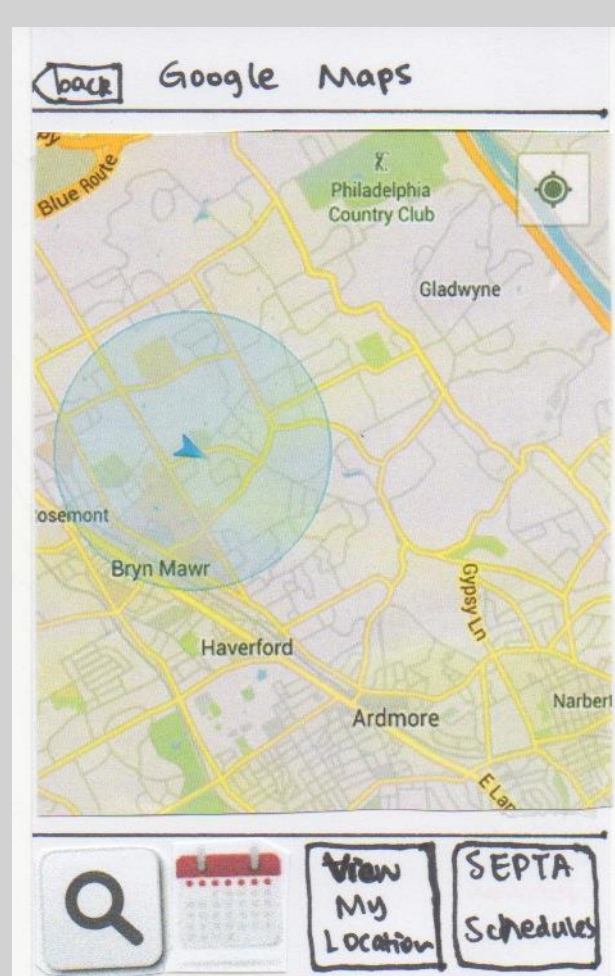
Objective:

During our first meeting with PCDC, we discovered that event planning was still a manual process for them. It required coordinating volunteers, setting up event shifts for volunteers, and collecting volunteer information. Thus, we came up with the idea of an application for PCDC volunteers that will handle all these tasks and more.

Introduction:

This app is an internal Android application designed and developed for Philadelphia Chinatown Development Corporation. It will help event managers to better organize their volunteers' information, event flow, and event shifts. The main functions of this application include automated registration, an event calendar, event scheduling, search, and location tracking.

This application customizes functionalities for both administrators and volunteers. Administrators of PCDC can login to this application and approve or reject shifts requested by volunteers. Volunteers can register, log in and sign up for event shifts. They can view event information prior to signing up. In addition, on the day of the event they can use this application to keep track of their schedule, search information about co-volunteers, and track their location.

The application efficiently eliminates much of the paperwork and manual data entry involved in event planning. PCDC used to prepare hard copy documents of schedules, contact information, and maps for volunteers on the day of an event. Now, with this application, PCDC needs only set up events while volunteers can easily join from their Android device.

Design Changes:

The biggest change in our design is that we are maintaining the database using the Google Spreadsheets service. By verifying the associated Gmail account on user's Android device, we eliminated the need to maintain password for each user. For our users, this in turn eliminated the need for them to remember another username and password. This change also makes the database inherently easy to maintain on the administrative side, now that addition of new shifts and approval of shift requests can be done in any web browser through Google Drive. This design change is motivated by our goal of designing a light, well-integrated app that best serves both the volunteers and admins.

User Experience Study:

For our user experience study, we recruited users at the Spring Cleanup event hosted by PCDC to test the app. Our recruited users generally expressed interest in using this app for future volunteer events. This is because at the time of the study, the two main functions, calendar and shifts signup board, performed reliably. Through review of the feedback in our questionnaire following the System Usability Scale, we found strongly positive responses on the usability and integration of functions. In our follow up of the study, we received positive feedback on the clarity of design and functionality. We concluded that our application is ready to release, as users find it to be a convenient and intuitive alternative to the current system of calling to obtain volunteer and event information.
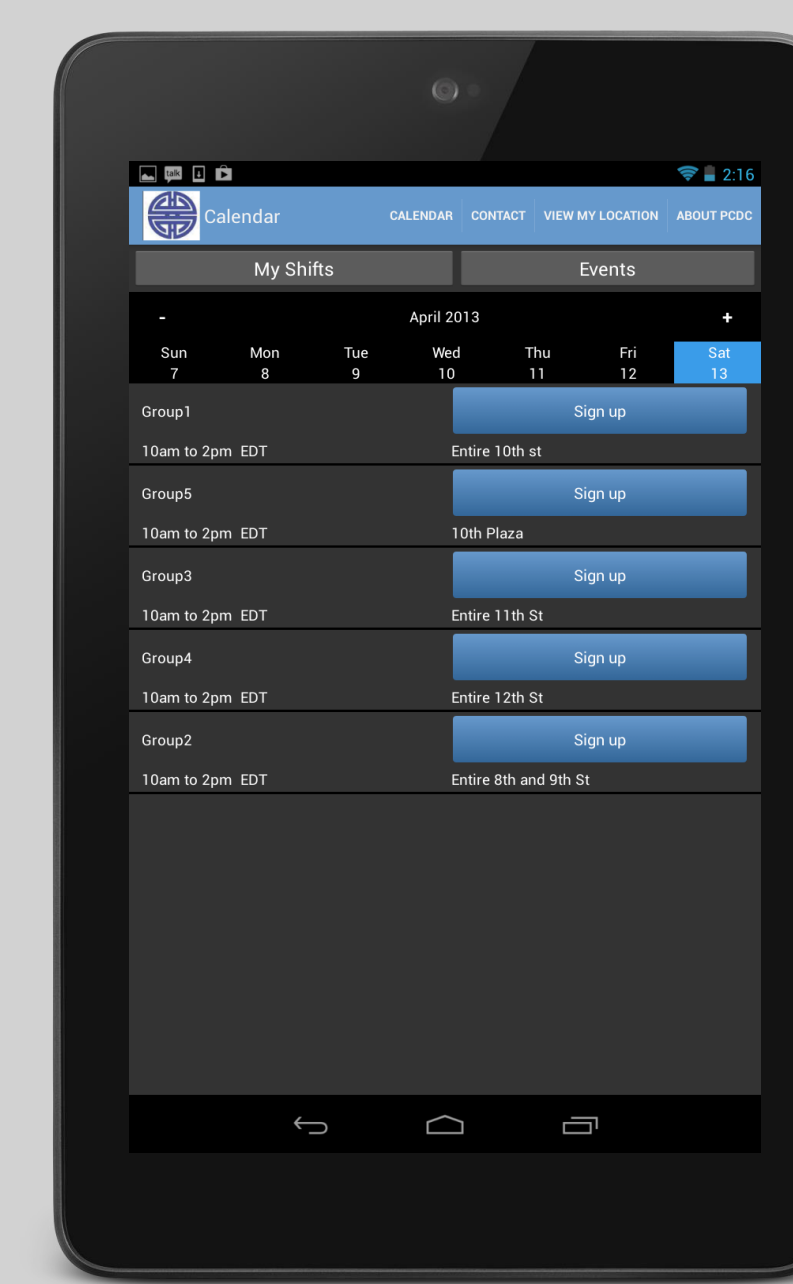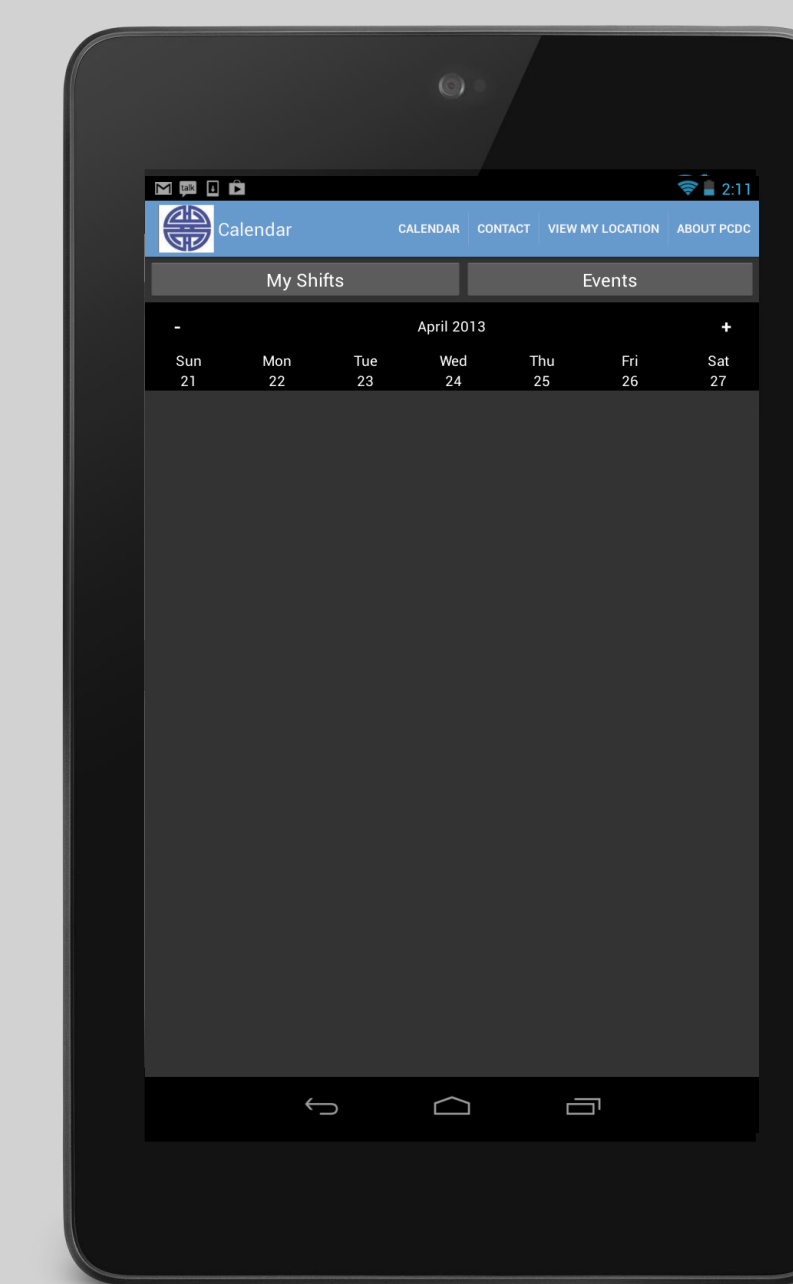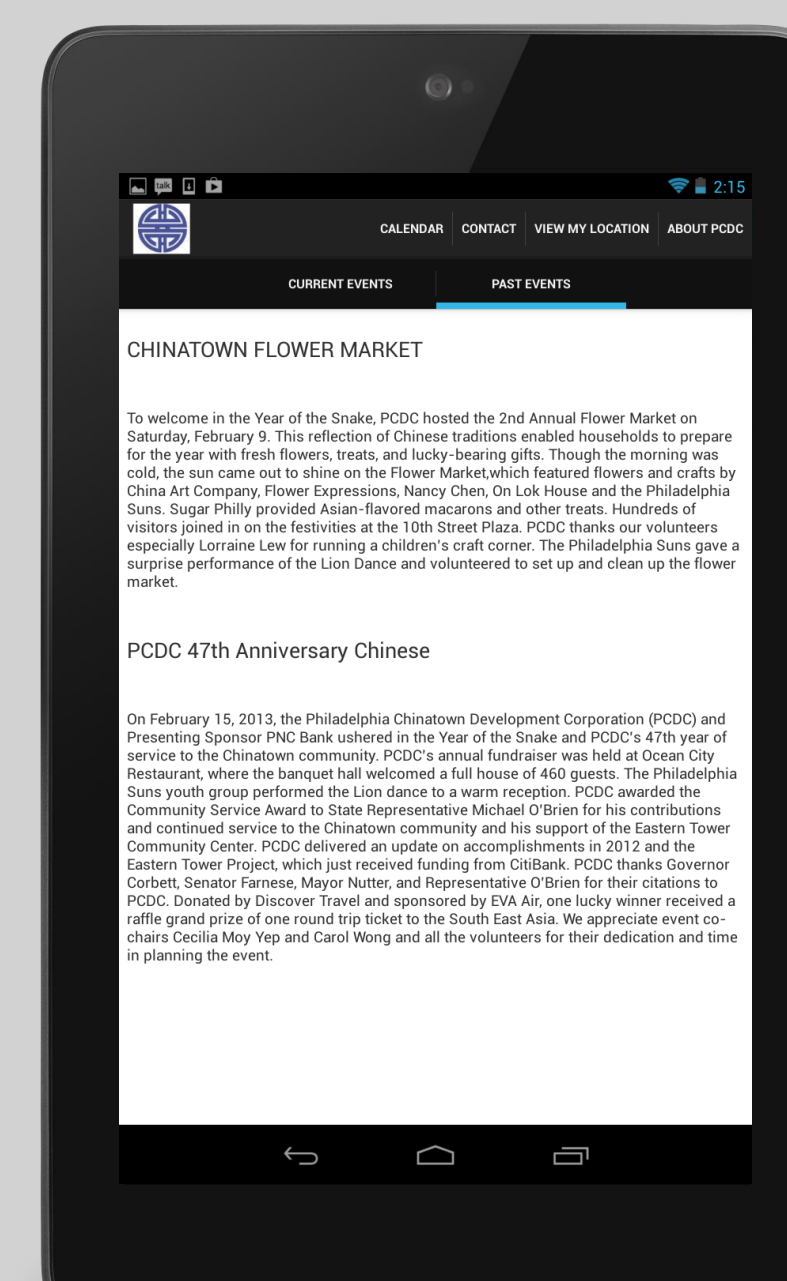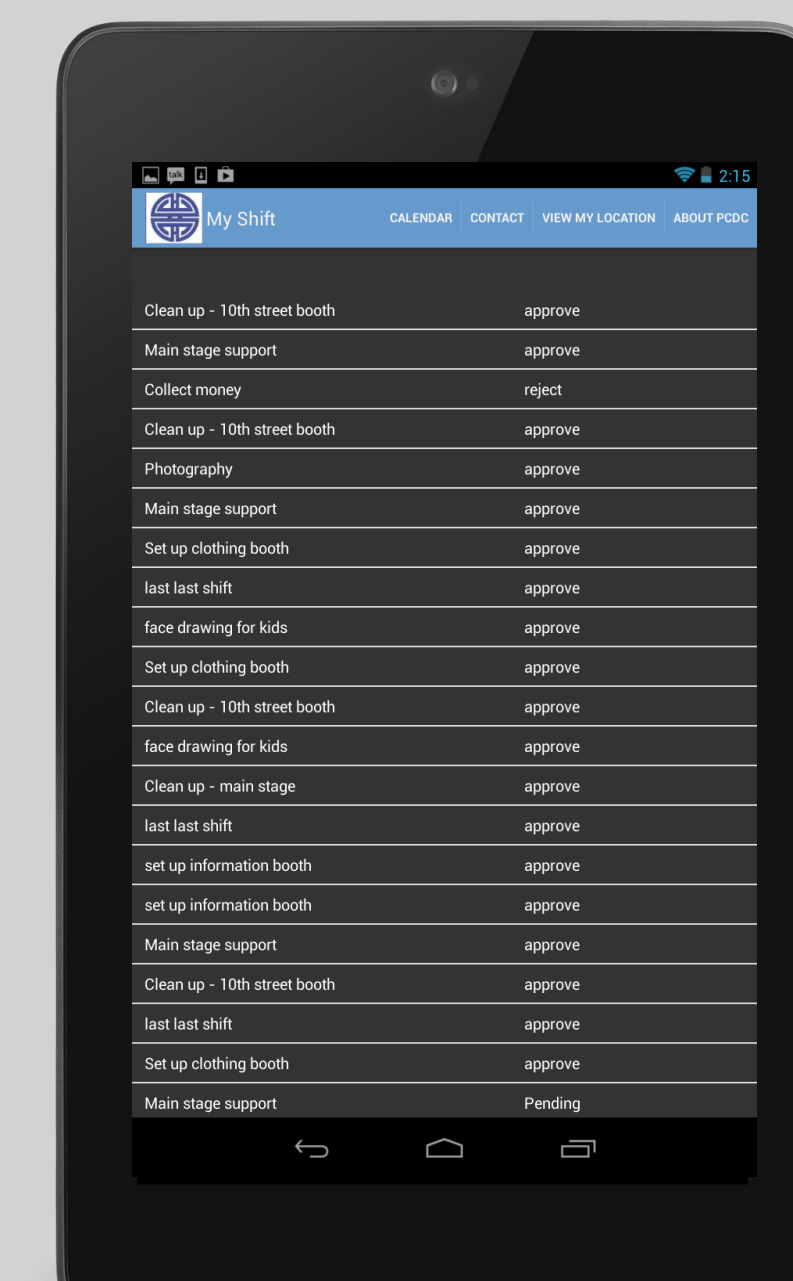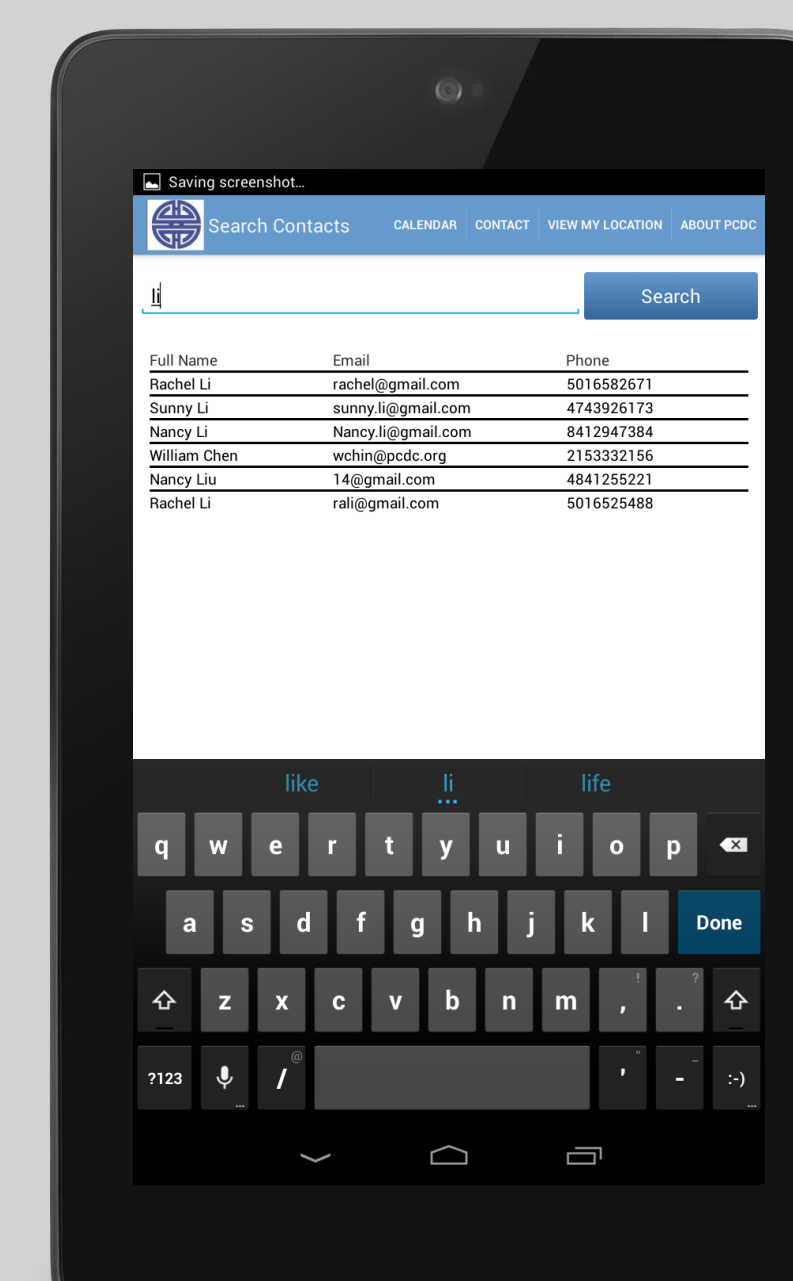
How It works:
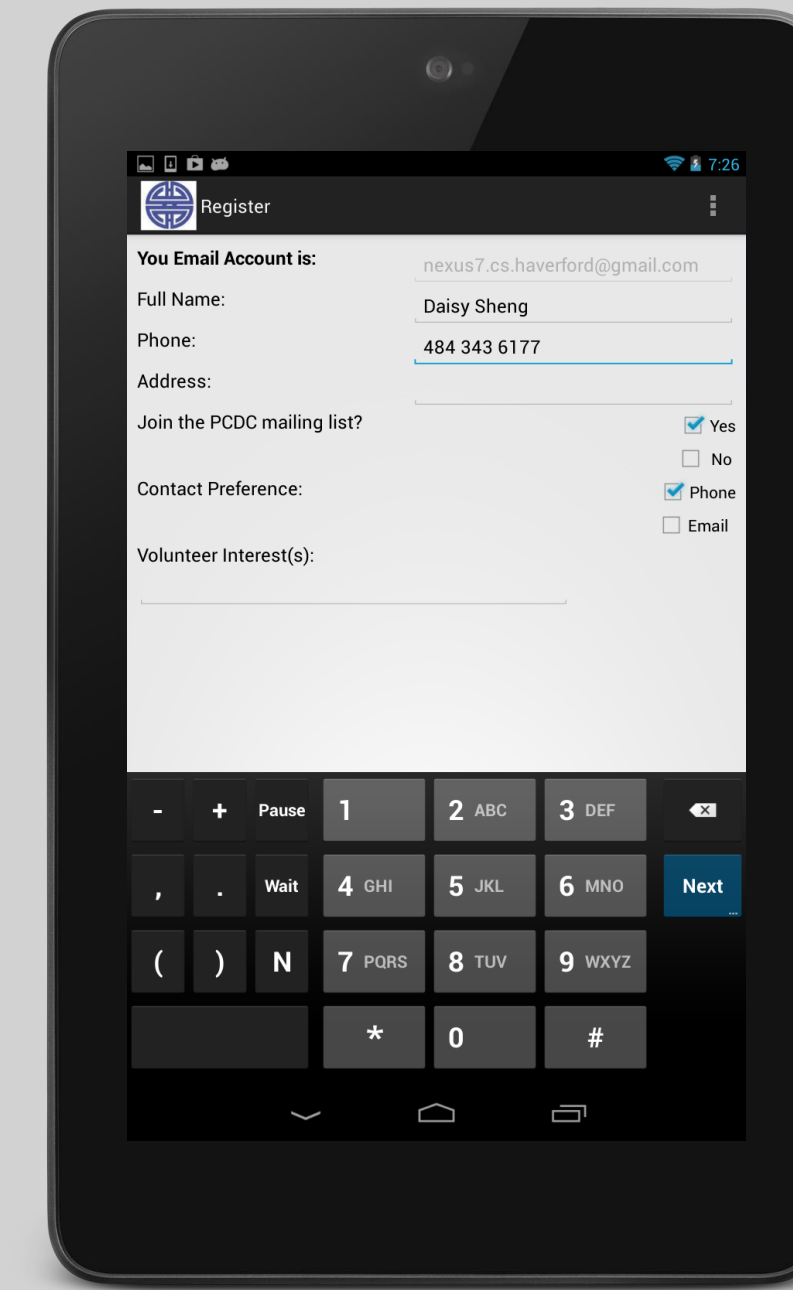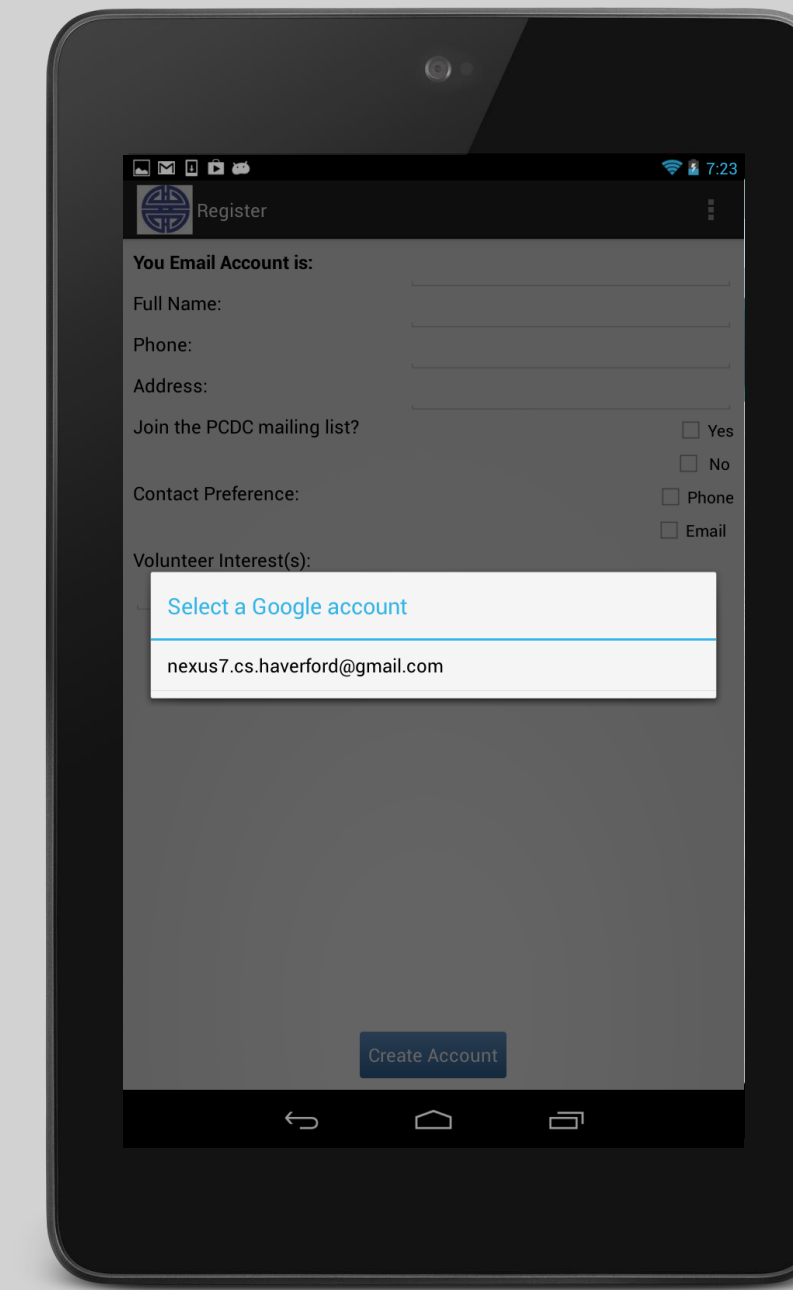
1. Registration

2. Login

3. Calendar
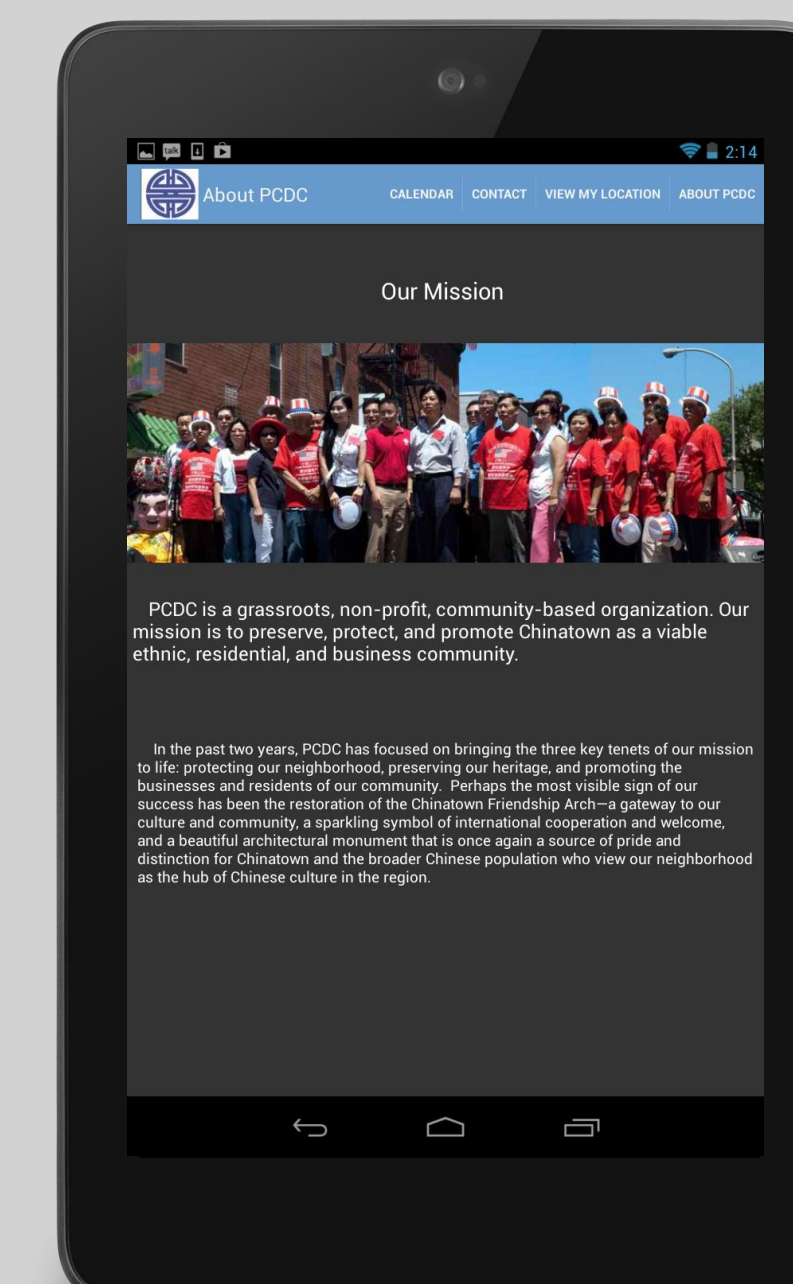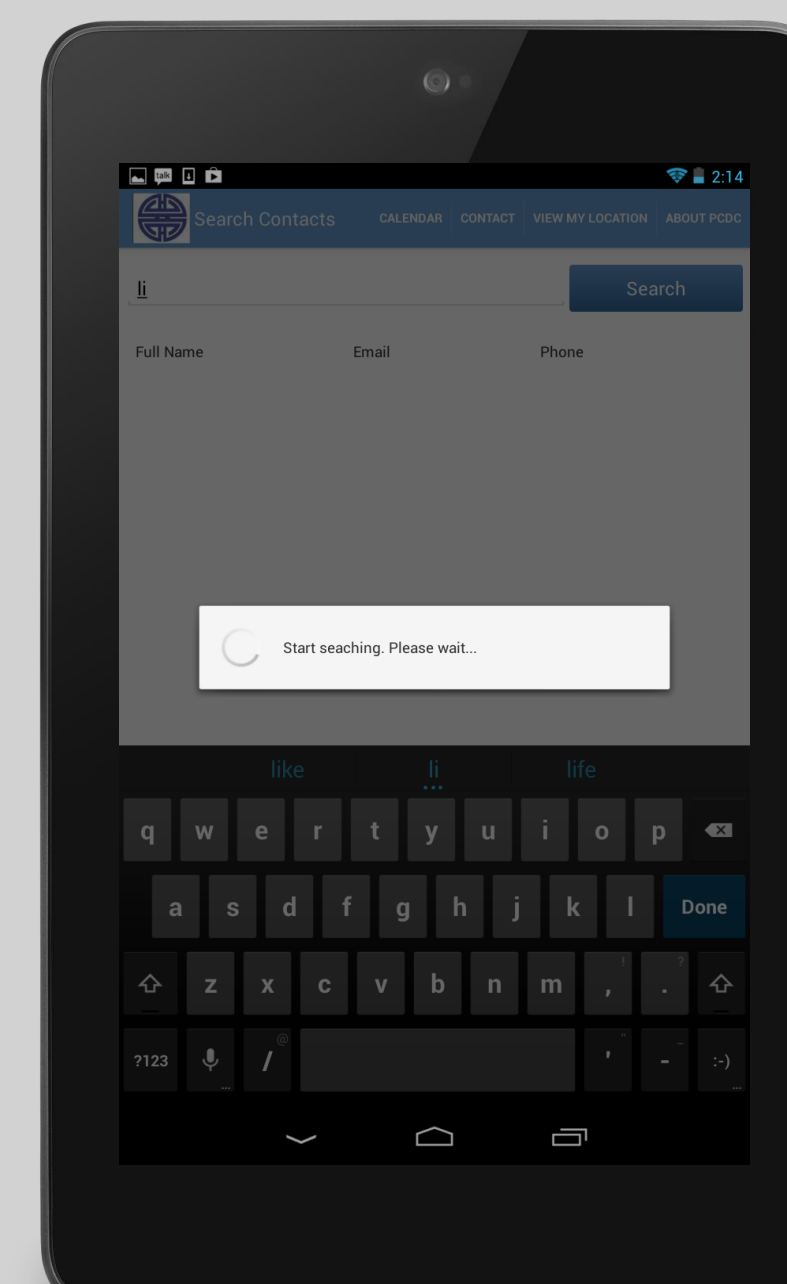

4. Event Descriptions
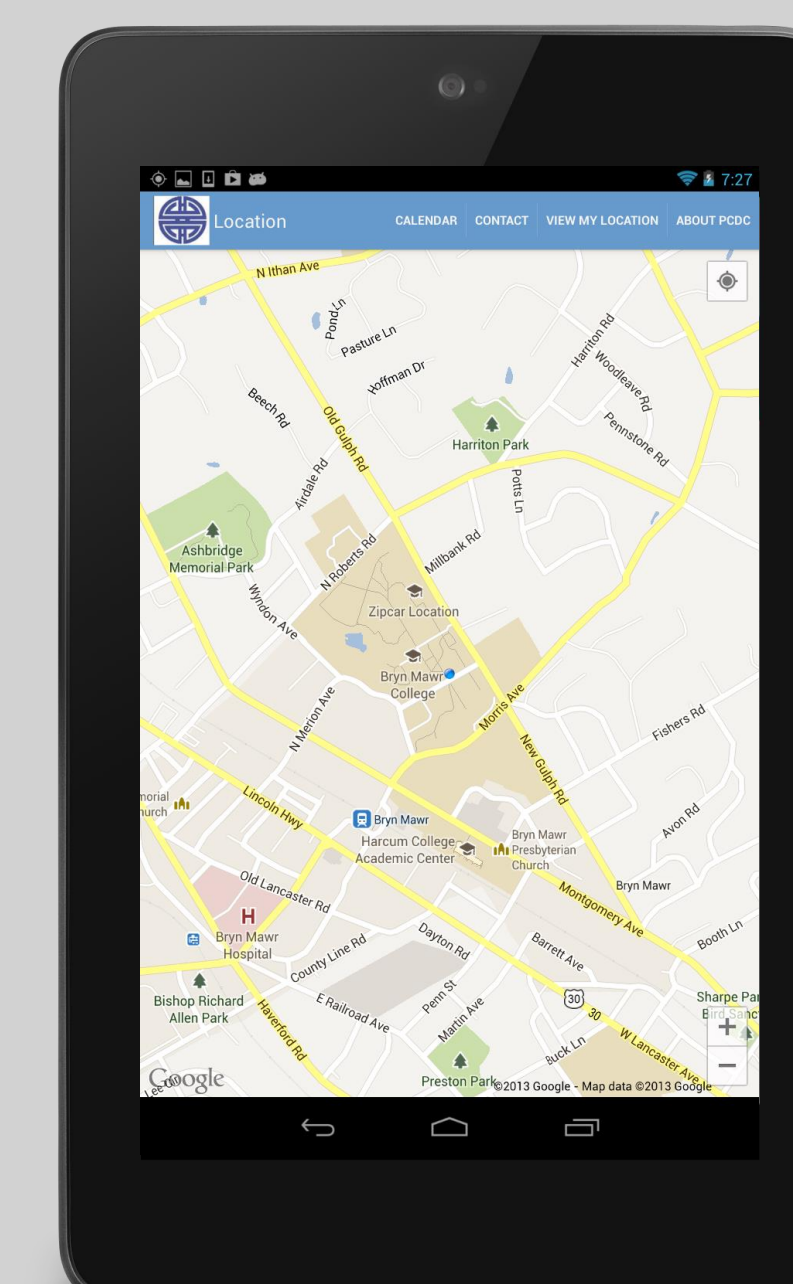

5. Shifts

6. Search Contacts

7. About PCDC

8. Track Location

Presented By: Daisy Sheng, Rachel Li | Faculty Advisor: Sorelle Friedler | CS395 Spring 2013