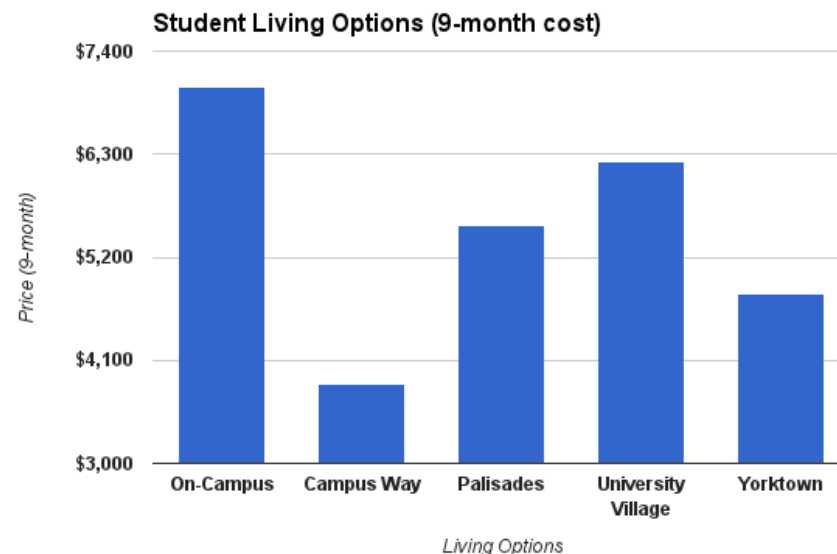


College Living

Blake Dunn, Derek Overlock, Lumin Shi

Problem

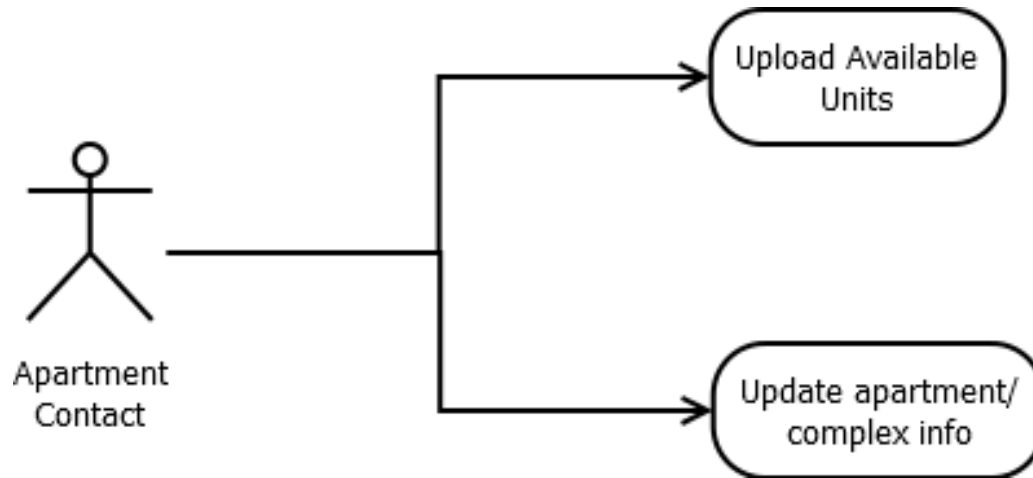
- On-campus housing at UA is expensive
- Off-campus housing in Tuscaloosa is cheaper (9 month price of rent)
- College students need a safe and convenient way to interact



System Scope

- College Living centralizes and localizes the search for roommates and apartments.
- Users will initially answer a set of questions
 - Answers are used to rate compatibility with other users
- User and Apartment Information will be stored on remote database
- Apartment Contacts will use web-service
- Users can find other users to interact with

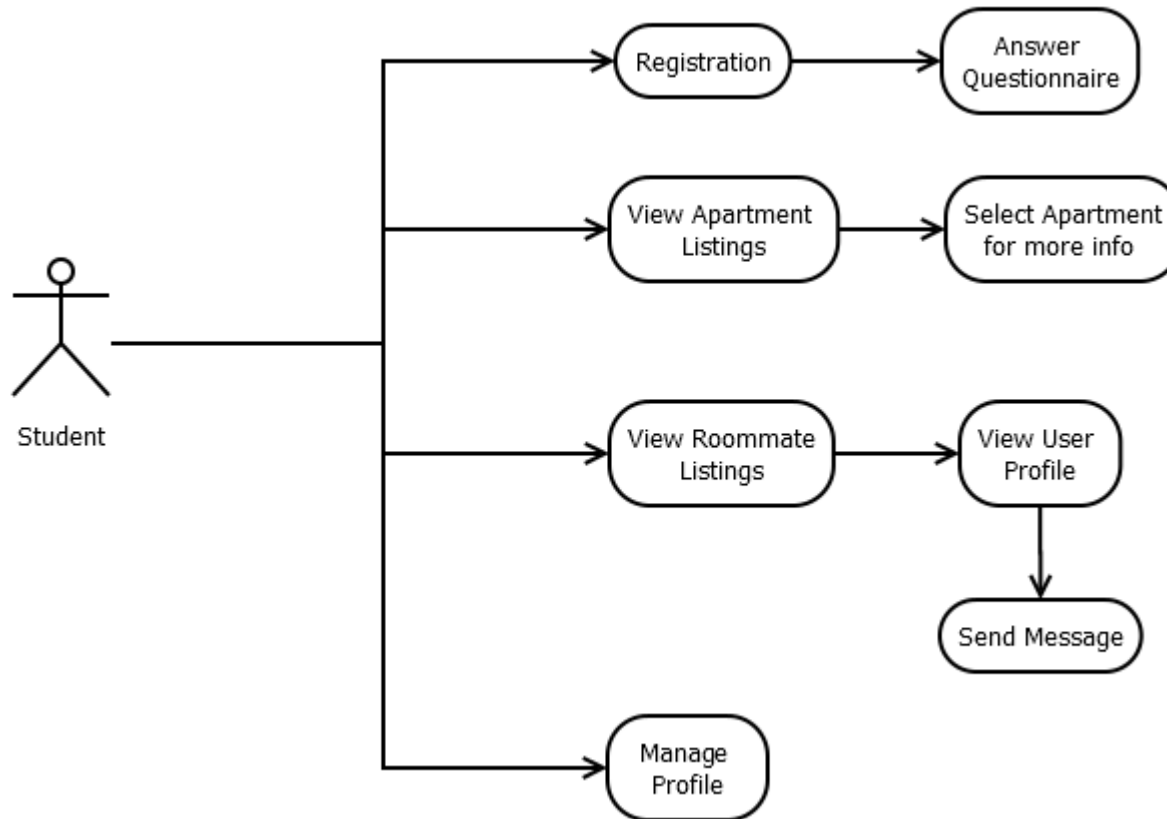
Use Case Diagrams



Apartment Contact Use Case Diagram

- Contact can upload/update apartment info via web service.

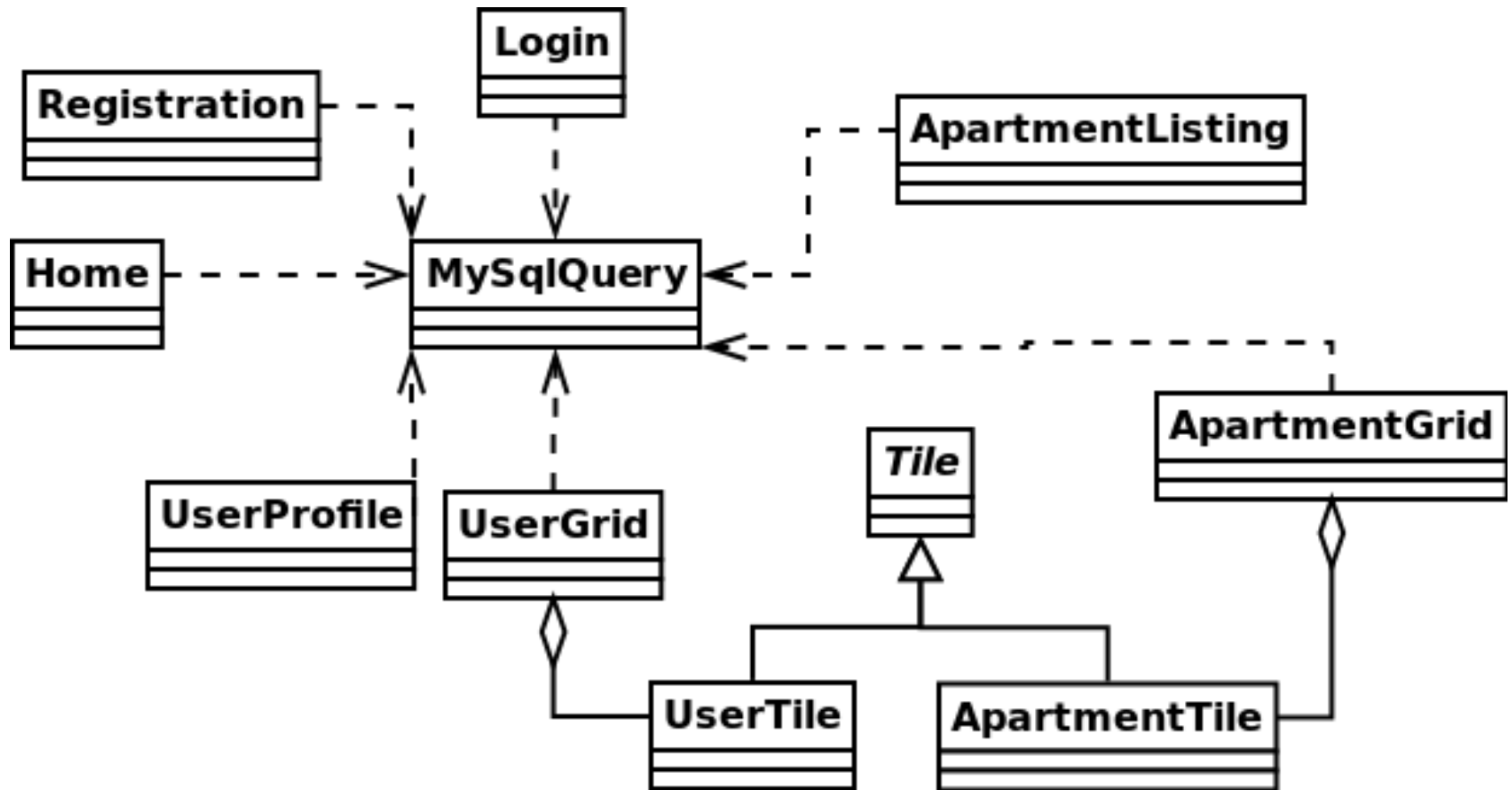
Use Case Diagrams



Student Use Case Diagram

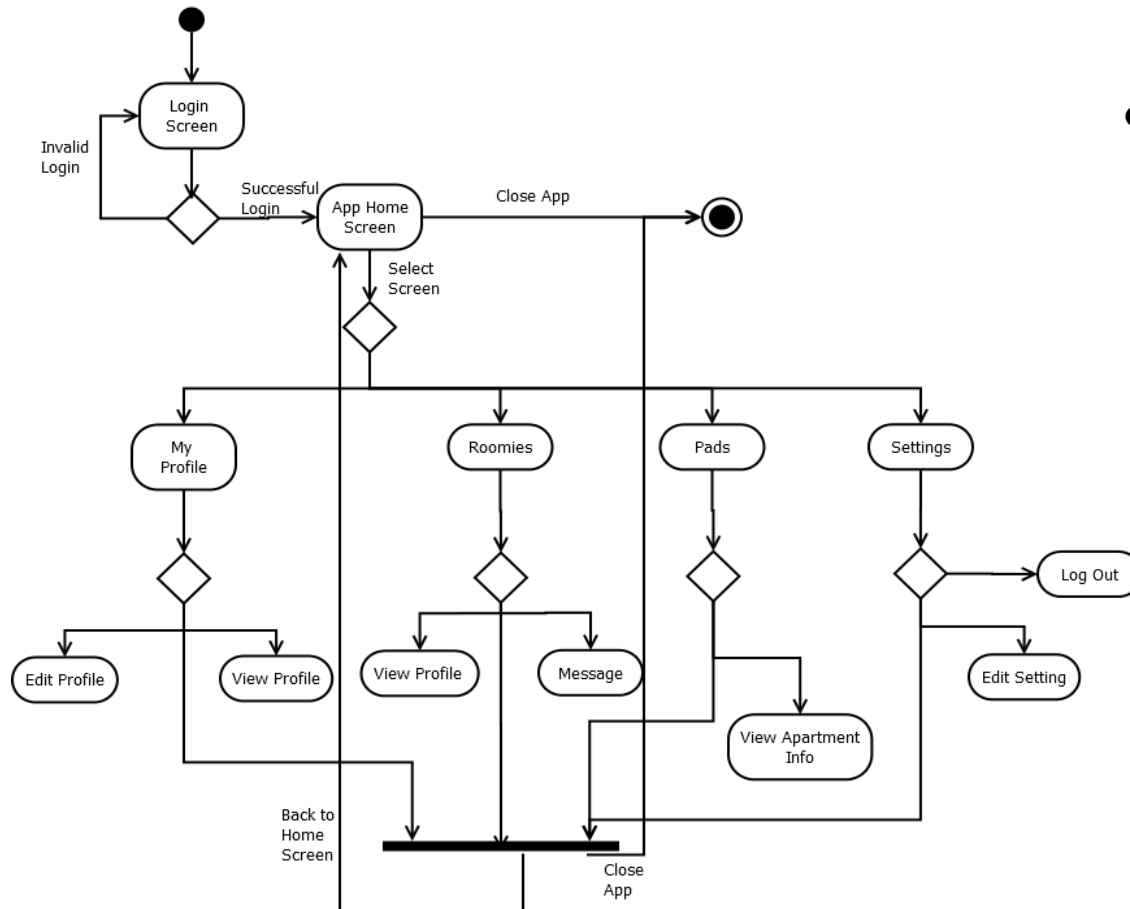
- Users can...
 - **Register for accounts** and answer questionnaire
 - **View lists of apartment** and view apartment info
 - **View potential roommates** via roommate listings
 - **Modify their profile**

Class Diagram



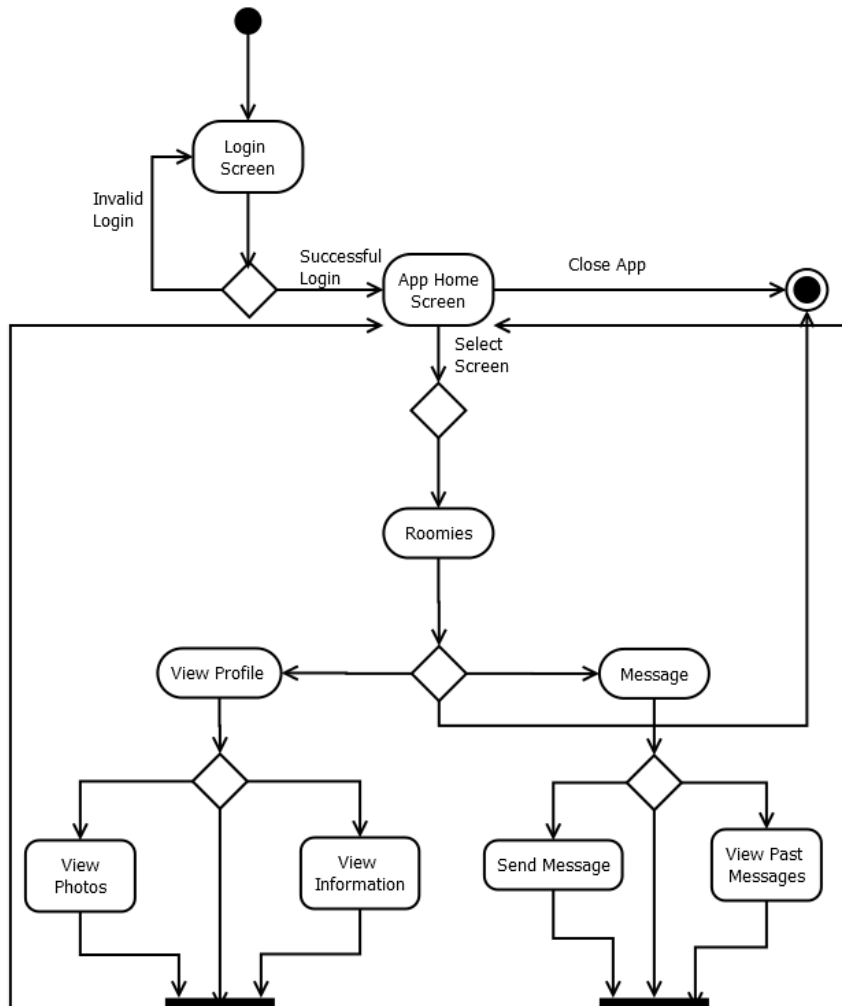
High level class diagram of system

Activity Diagrams



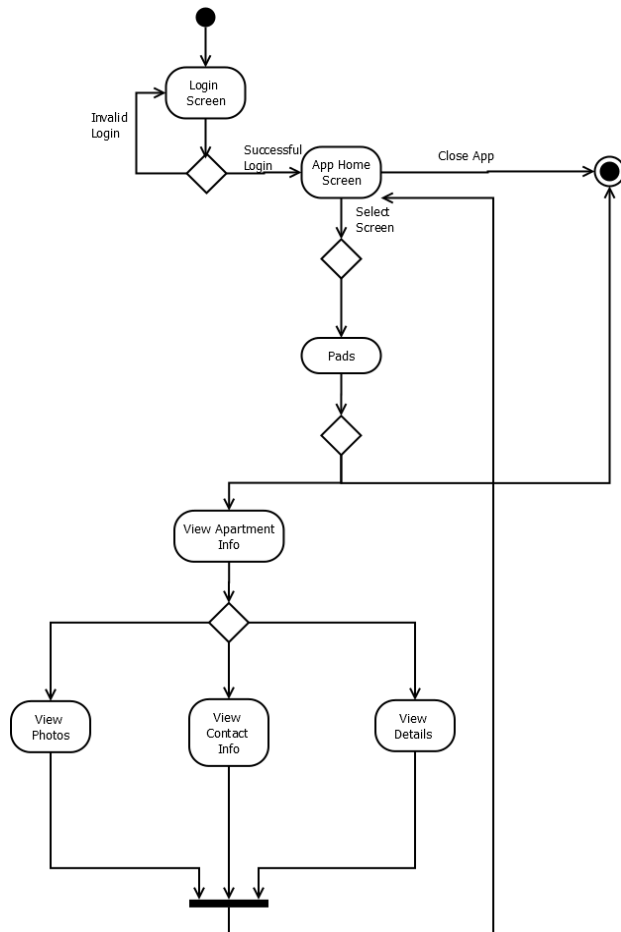
- High level activity diagram for domain of the product.

Activity Diagrams



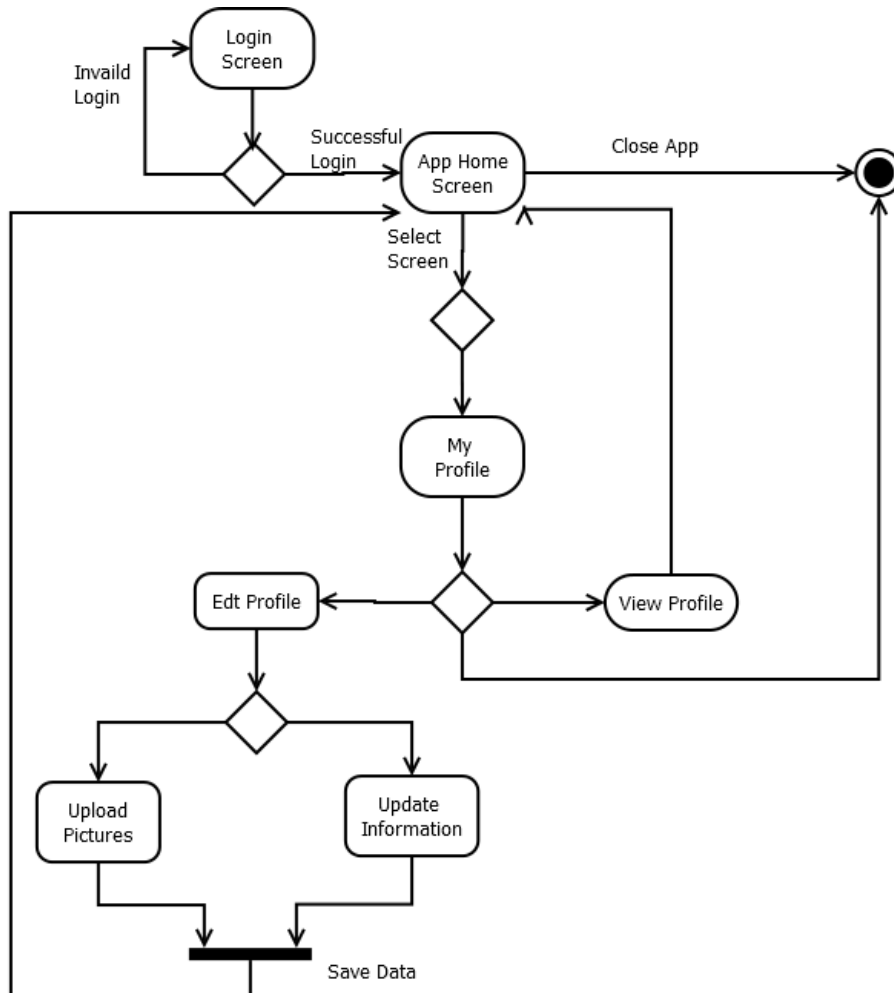
- Activity diagram showing process for looking at potential roommates (roomie)
- Users can:
 - **View User Profile**
 - **Message User**
 - **Look at message history**
 - **View User Photos**
 - **View User Information**

Activity Diagrams



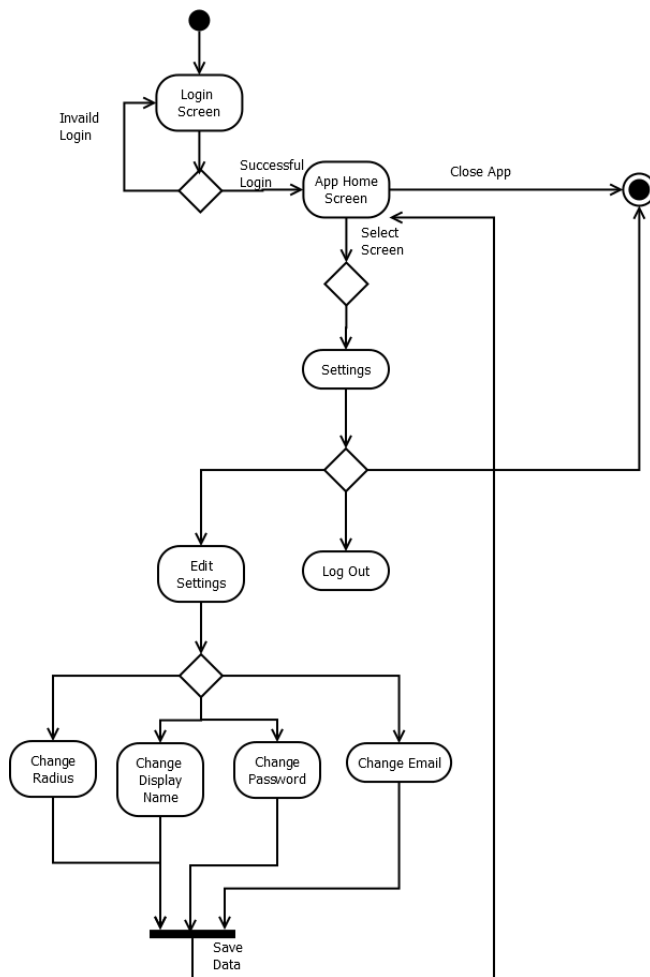
- Activity diagram showing the process of looking at apartment units (pads)
- User can:
 - **View Apartment Listing**
 - **View Photos**
 - **View Contact Info**
 - **View Other Details**

Activity Diagrams



- Activity diagram showing the process of editing your profile.
- Users can:
 - View Profile (to see what it looks like to other users)
 - Edit Profile
 - Upload pictures
 - Edit Information

Activity Diagrams



- Activity diagram showing the process of changing settings
- User can change:
 - Search Radius
 - Display Name
 - Password
 - E-mail

Feature Priority

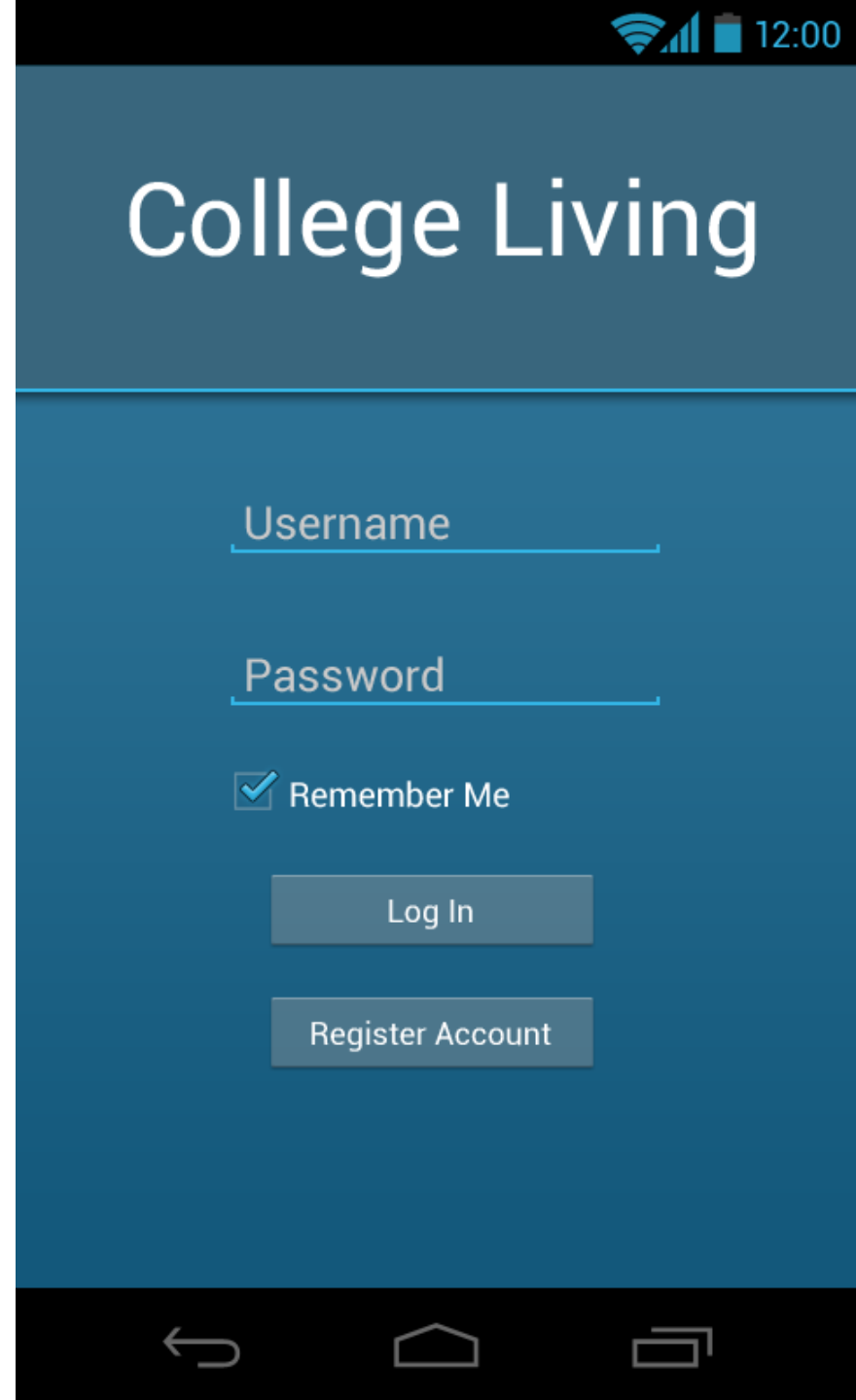
Name	Priority
Geo-spatial searching	Required
Compatibility Rating	Required
Apartment Web Service	Required
User Interaction (User Grid, User Profile, etc.)	Required
Apartment Listing (Apartment Grid, Apartment Information)	Required
Chat Room	Future Work
Content Filtering (explicit, threatening, etc.)	Future Work

Risks

- Geo-spatial implementation
 - Effective algorithm for detecting users in specified radius local to you
- Effective questionnaire
 - Questions that are pertinent to compatibility between people

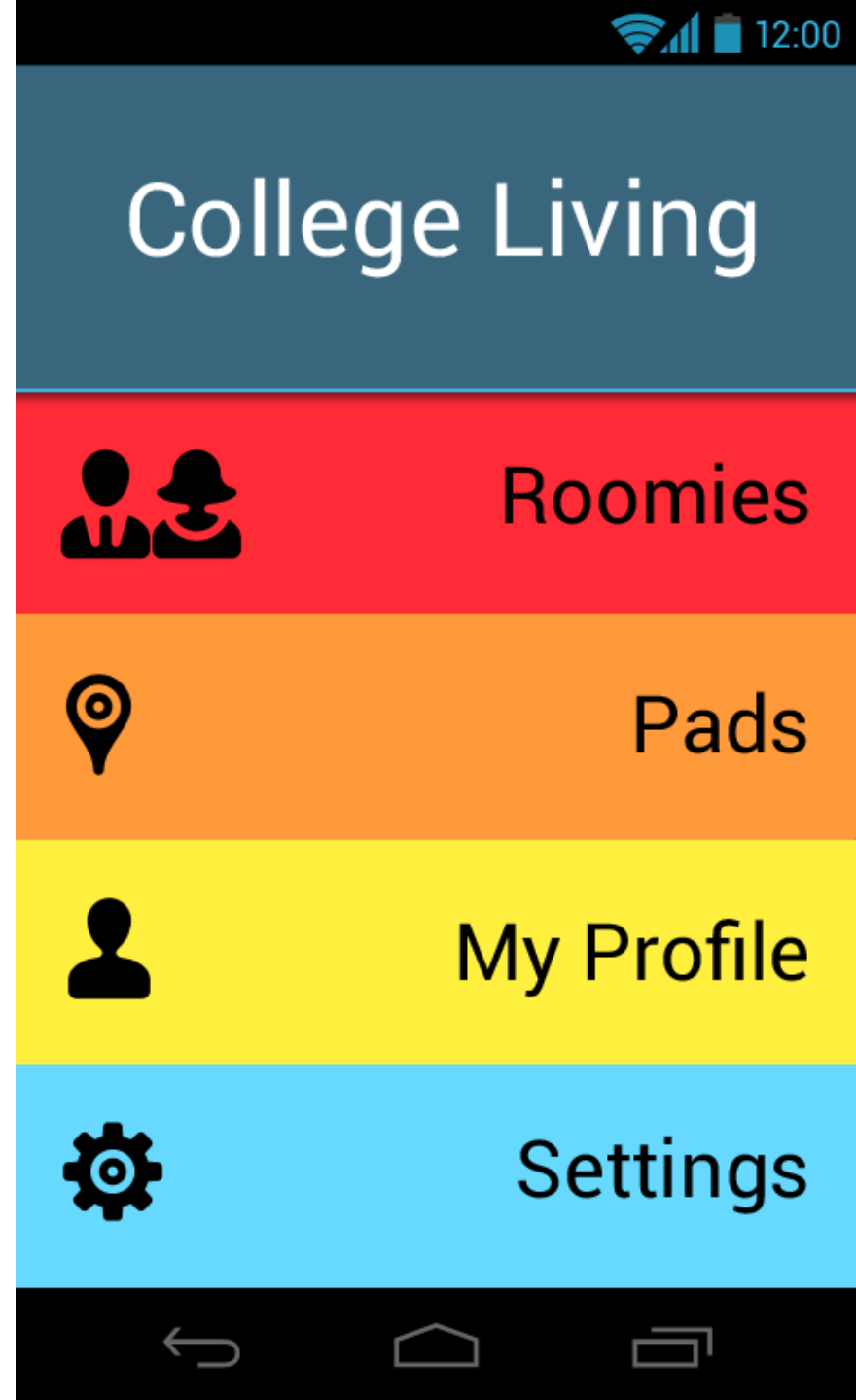
UI Mockups - Log In

- User can:
 - Log In
 - Create an account



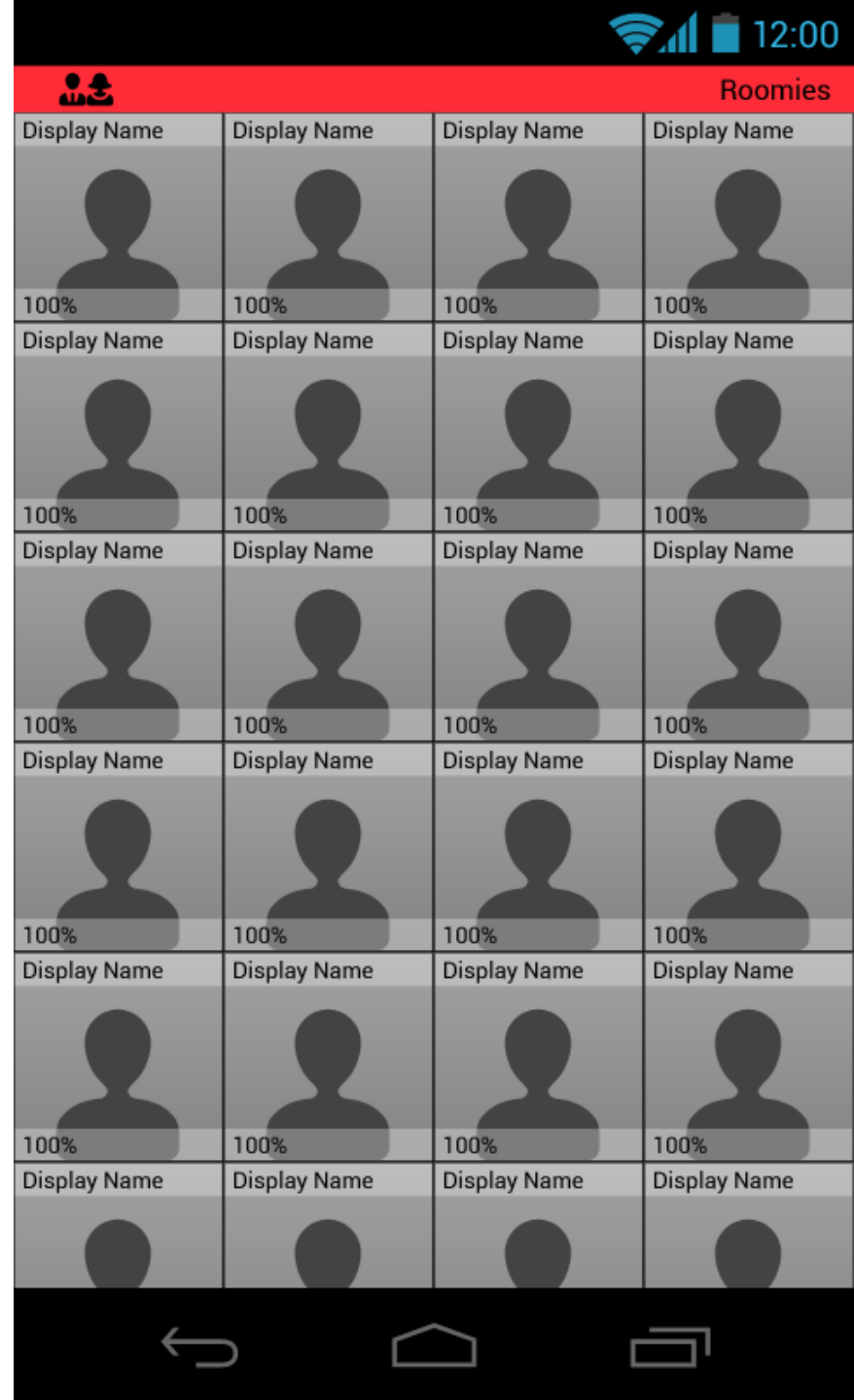
UI Mockups - Home

- User can:
 - View roomies
 - Message roomies
 - View pads
 - View/edit their profile
 - Change settings



UI Mockups - Roomies

- User can:
 - View roomies
 - Details
 - Photos
 - Message roomies
 - Block roomies



UI Mockups - Pads

- User can:
 - View pads
 - Contact Information
 - Details
 - Photos



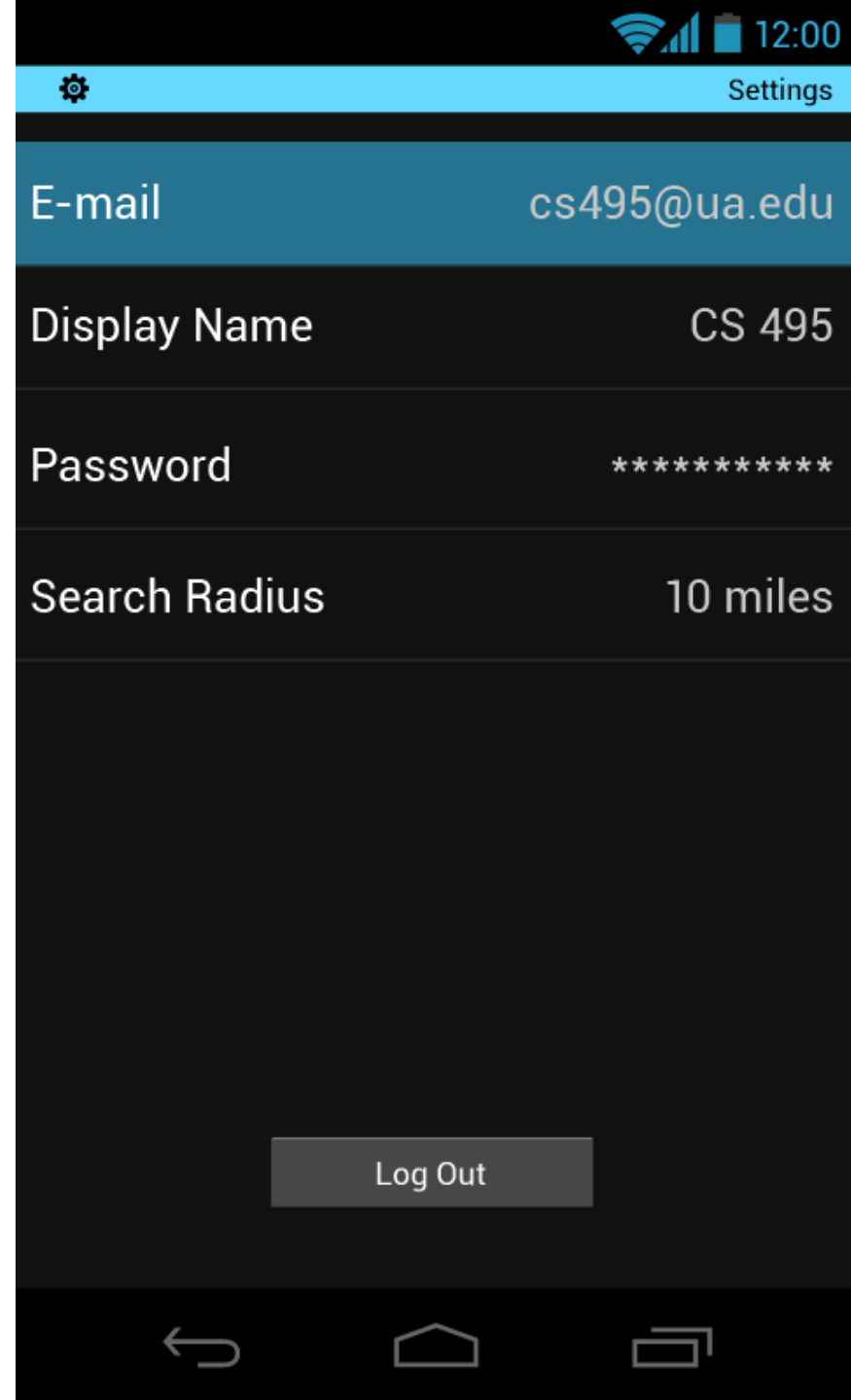
UI Mockups - Profile

- User can:
 - View your info
 - Edit your profile



UI Mockups - Settings

- User can:
 - Change E-mail
 - Change Display Name
 - Change Password
 - Change Search Radius
 - Log Out



Questions?