Sprint 2

Study Slug

Goal: Create core functionality required for the android app. Implement basic version of web app. Hook up core database.

User Stories:

1. (5) As a team member, I want to learn to develop and deploy a Firebase back end system.
   a. Complete Firebase tutorial (1hr each)
2. (8) As a developer, I want to have a database for storing user profiles.
   a. Set up hosting for back end (1hr)
   b. Construct database (1hr)
   c. Implement system for user profiles in database (1hr)
3. (8) As a user, I want to be able to use the app on my Android phone.
   a. Construct Activity: Landing Page (1hr)
   b. Construct Activity: Login/Register (1hr)
   c. Construct Activity: Main Page (1hr)
   d. Construct Activity: Add Classes (1hr)
   e. Construct Activity: Find People (1hr)
   f. Construct Layout: Landing Page (1hr)
   g. Construct Layout: Login/Register (1hr)
   h. Construct Layout: Main Page (1hr)
   i. Construct Layout: Add Classes (1hr)
   j. Construct Layout: Find People (1hr)
   k. Build Intent: Landing -> Login (1hr)
   l. Build Intent: Login -> Main (1hr)
   m. Build Intent: Main -> Add Classes (1hr)
   n. Build Intent: Main -> Find People (1hr)
   o. Implement Google auth (2hr)
   p. Implement firebase database access (2hr)
   q. Build the APK so it'll run (0hr)
   r. Testing (1hr)
4. (5) As a user, I want to be able to create a profile tied to my CruzID.
   a. Investigate domain-specific auth from Google (1hr)
   b. Implement domain checking (1hr)
   c. Implement cruzID verification (1hr)

5. (5) As a group leader, I want to be able to initiate a study group.
    a. Create filter/search button in app people listing (3 hr)
6. (8) As a user, I want to be able to use the app from the web.
    a. setup hosting
        i. find actual hosting (1hr)
        ii. set up connection to domain name (1hr)
    b. Pick a template (1 hr)
    c. Modify that template to fit:
        i. Create login page (1hr)
        ii. Create main view page (1hr)
        iii. Create add classes page/function (1hr)
        iv. Create find people page/function (1hr)
    d. Implement a connection to the database (3hr)
    e. Implement google auth (3hr)

7. (3) As a user, I want to be able to select from a list of courses.
    a. Create dropdown menu for major selection (2hr)
    b. Create dropdown menu for class selection (2hr)
    c. Create web scraper to collect class data (2hr)
    d. Write script to load class data into database using cURL (1hr)

Total Hours: 53

Team Roles
Michael Lanthier - Team Member
Mike Liu - Team Member
Kian Moghtaderi - Scrum Master
Peter Wilcox - Product Owner
Daniel Williams - Team Member

Initial Burnup Chart

Scrum Times:
TA Meeting: Mondays 10AM with Nehal
Standup Meetings:
MWF: 9:10
TTh: 2:15