Sprint 2 Plan

SlugPlan, 2/3/16

User Stories
- As a developer, I want access to UCSC courses
  - Create program to parse UCSC course catalog PDF file (6-12 hours)
  - Modify program to input parsed data into database (2-4 hours)
- As a user, I want to be able to select classes from the UCSC course catalog to take in the future
  - Connect Yesod backend to database (3-6 hours)
  - Create webpage to display course data on (6-12 hours)
- As a user, I want to see which Major/College requirements the courses I've planned to take fulfill
  - Modify scraping program to gather data on requirements/prerequisites (6-8 hours)
  - Create method to filter data from database (4-6 hours)
  - Add GUI elements to allow filtering (3-6 hours)
  - Show filtered data on webpage (3-6 hours)
- As a user, I want to know if I've satisfied the prerequisites for all my planned courses
  - Create database query to gather relevant data (1-2 hours)
  - Display data to user through GUI elements (6-10 hours)

Determine Tasks:

General tasks needed to be done to accomplish user stories(needed for all user stories):
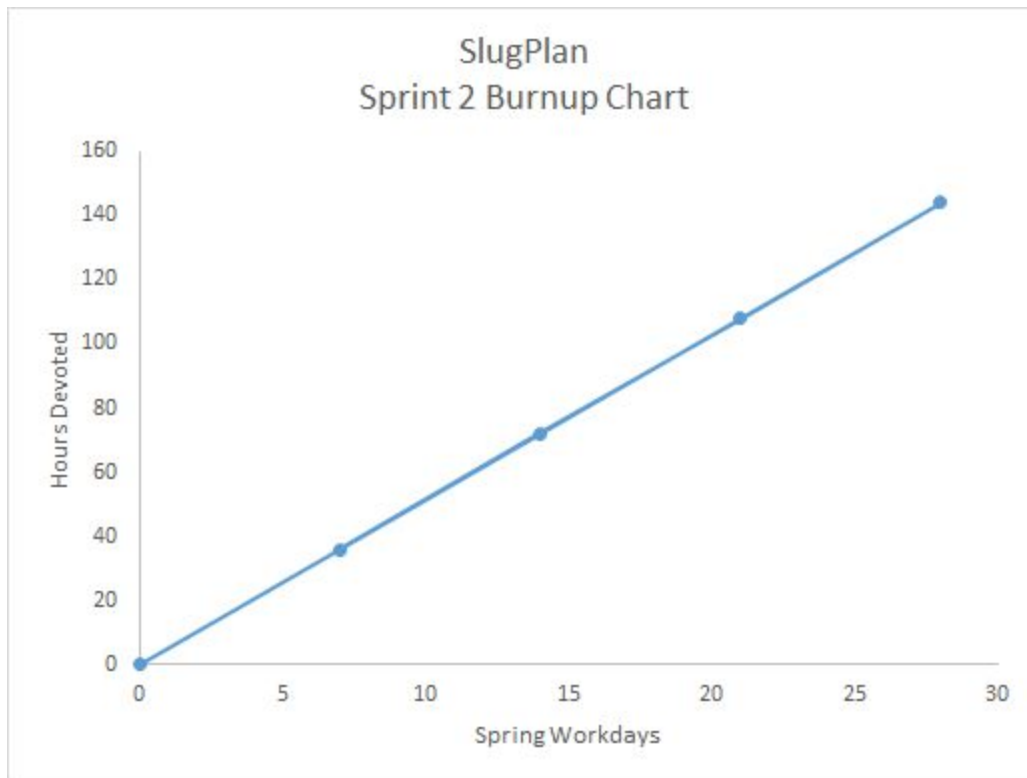
- Create a user friendly GUI for the user to easily navigate
  - Maybe several team members working on GUI
- Obtain all relevant UCSC course data (prerequisites e.g.)
- Create a database to save user data and present to user his/her saved data

Sanity Check:

Totally, 36-54 hours per week is expected of each team member to fulfill the tasks needed to implement the required user stories.

This would equate to approximately 5-8 hours of workload per day, which seems to be overwhelming. Thus, user stories may be pushed, the team may work harder, or the estimation is an overestimation.

Initial Burnup Chart:

Role Assignment:
      Chase: Developer, Scraping/Database related tasks
      Donald: Developer, GUI related tasks
      Michael: Developer, GUI/Database related tasks
      Kristy: Developer, GUI/Database related tasks
      Morrison: Developer, GUI/Database related tasks