**What to work on next:**

1. Input entire course requirements for CoE and CS
2. Make it hostable on EC2
3. Making the view controller
   1. Get list of all majors from database and show it on the dropdown menu
   2. Get chosen majors from user from menu, and use it to query all the required classes for the major
   3. Do basic population of classes across a 4-year timeline based on credit caps
4. Refining view controller
   1. Checking for prereqs and ordering it that way

**Goals**

2-week MVP

* Build out site interface
* Auto-populates basic 4-year plan based on any combination of majors (for small set of most common majors)

Midterm MVP

* Auto-populates basic 4-year plan based on any combination of majors (for select set of most common majors)
* Download schedule

Final MVP (additional features)

* Registered users can upload their transcript to create a schedule that takes into account previous classes taken
* Search, add and delete specific classes into schedule
* Users can create accounts, log in, and save multiple 4-year schedules
* Gives stats on classes (professor quality, amount of homework)

Ideal MVP (additional features)

* Schedule based on schedule preferences (general difficulty of a semester, credit cap, scheduling specifications like no-Friday class)
* Provides the current semester class schedule
* Users can track their current progress towards degree

**Work Report 02/29/16**

1. Combined the html file with the django framework
2. Built out 2 dropdown menus (no alignment yet) for majors
3. Validated project with Professor Cytron
   1. New DARS coming out in 2 days that basically has all the functionality we are trying to build
   2. However, that should not deter you from building this
   3. Focus on this class is to take a project from start to end, not try to find a winning idea

**Work Report 02/26/16**

**Members Present: Bryan Cai, Megan Bacani**

1. Back End:
   1. Setup Django Site (Up to tutorial page 3)
   2. If you want to look at the site and want to follow the tutorial:
   3. mysite = scheduler437
   4. polls = scheduler
   5. Our SQL database: 0003
   6. Admin:
      1. Username: admin
      2. email: admin@example.com
      3. password: cse437!!
2. Made Major and Class Database (look on git)
   1. Added filters on admin site/on models page
   2. Search bars on admin page
3. Bryan working on admin stuff
4. Megan working on index/home page front end
5. Brainstormed algorithm:
   1. Sort class by number of prereqs
   2. THEN sort class by semester offered (numerical number)
   3. Fill first year first semester, keep track of credits taken each time
   4. Possibly make a tree for classes to take? (i.e. classes with no prereqs at the top, fill in classes downwards afterwards, then traverse the tree)
   5. In the case of selecting more than one major
      1. Option of finishing one major first
      2. Option of finishing half and half
      3. Fulfill request by capping credit number for each major to half each semester (i.e. 10 CS credits and 10 Business)
6. For Electives
   1. Need to decide if we’re including humanities/social science electives and/or computer science electives
   2. give options to spread out or all at the end
   3. if spreading out, just add a general “Elective” space in leftover credit hours each semester

**Administrative**

Languages/Platforms:

Django 1.9

Python 2.7.1

SQLite

Hosting on Tina’s EC2 instance