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## Release Plan

Major Course Planner

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3/8/22

Revision number 4

2/23/22

## High level goals

- Input classes/requirements that have been/will be taken/fulfilled
- Save account data to firebase
- Display recommended classes for selection
- Database of class information, availability, prereqs, credits, descriptions
- Graduation/major declaration progress tracker (GEs too)
- Complete MVP (minimum viable product)
  - Functionality of all buttons
  - Sign in + authentication
  - Save user progress
  - Queries to established database
  - Course selection page
  - Update status page
  - Course recommendation system (and the data dependencies)

## User stories for release

- Sprint 1
  - Spencer
    - (10 points) Learn how to create a website  
As a Scrum Master, I want to learn how to make a website so I can direct the team into what parts of said website they need to work on
    - (2 points) Take meeting minutes  
As a Scrum Master I want to take meeting minutes as it documents the activities/discussion we have during DSU
  - Ian
    - (5 points) Collect CS course catalog information  
As a team member I want to collect course information so that it can be used by the planner
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  - Ray

- (6 points) Research on website building  
As a team member I want to do some research on website building so that I can help our group build up the website foundations.
    - (5 points) Learn about creating website UIs  
As a team member I want to learn how to create website UIs so that I can help our team to organize the website.
  - Yimin
    - (10 points) Learn javascript about website  
As a project owner, I want to build the structure of the website and finish basic functions.
    - (5 points) Design the website ui  
As a student, I want to make the website ui as convenient as possible for students scheduling easily
  - Christian
    - (5 points) Solidify knowledge in full stack development  
As a team member, I want to solidify my previous knowledge in full stack development and be able to use the technologies I have learned in the past
    - (6 points) Improve unit testing  
As a team member, I want to make sure that unit testing is done at all levels for the project and that the testing is sufficient to ensure a clean web application without bugs is launched.
- Sprint 2
  - Spencer
    - (15 points) Make account registration page  
As a user, I want to be able to have a functioning signup page
  - Ian
    - (15 points) Make account login page - Ian  
As a user, I want to be able to have a functioning login page
  - Ray
    - (5 points) Design course entry page - Ray  
As a user, I want to have a well designed course entry page
    - (10 points) Design main page - Ray  
As a user, I want to be able to have a well designed main page
  - Yimin
    - (25 points) Make basic design of mainpage - Yimin  
As a user, I want to be able to have a functioning main page
  - Christian
    - (5 points) Scrape all CSE courses and their units - Christian  
As a user, I want to be able to see the data of the courses I am recommended

(10 points) Incorporate prereqs for CSE courses- Christian

As a user I want to be able to only be recommended classes which I have satisfied the prereqs for

- Sprint 3

- Spencer

- (20 points) Course recommendation page

- As a user, I want to be able to easily see and select the classes I want to take from a set of recommended courses

- Ian

- (15 points) Account settings page

- As a user, I want to be able to easily see and alter my account information and settings

- Ray

- (10 points) Design main page

- As a user, I want to have a well designed main page

- (5 points) Design update settings page

- As a user, I want to be able to have a well designed settings page

- Yimin

- (20 points) Create course selection page

- As a user, I want to be able to easily select which classes I have previously taken

- Christian

- (10 points) Add curriculum requirements (including GE's, for CS)

- As a user I want to be able to see the individual information for each course, such as their description, requirements and quarters offered

- (10 points) Connect firebase backend with frontend with queries and data storage

- As a user I want to be able to navigate a database of courses and have my user data be saved

- Sprint 4

- Spencer

- (10 points) Implement course recommendation system to course recommendation page

- As a user, I want a functioning course recommendation page

- (5 points) Clean up appearance of and organization of cards on recommendation page

- As a user, I want a clean recommendation page without clutter

- Ian

- (10 points) Finish account settings page

- As a user I want a fully functioning account settings page

- Ray
  - (15 points) Clean up and decorate appearance of web app  
As a user, I want a visually appealing and intuitive web app
- Yimin
  - (25 points) Create graduation status tracker  
As a user, I want to be able to track my graduation/declaration progress
- Christian
  - (25 points) Make course recommendation algorithm  
As a user, I want a functioning course recommendation system

## **Product backlog**

- Clean up functionality of course recommendation page
- Add all sprint, and release plans and reports to gitlab
- Finish adding functionality to account settings and course selection page

## **Project presentation**

- Presentation completed [here](#)