Scheduling Planner UCSD Overview

Leader:
Matthew Yang

Partners:
Daisy Ye, ?

Front End:
- Use Flask and Python to create a website on which the schedule can be hosted
- Use HTML/CSS to make the website functions
- Front page needs to include:
    - Dropdown Search for all majors (all majors excel)
    - Opt. Dropdown Search + add new minor
    - Dropdown Search UCSD college
    - Add multiple AP scores + insert more APs

    To Return
- 4 year schedule with all classes/ each class has multiple side-by-side professor comparisons (if applicable)
- Will have total avg time per quarter, prerequisites

Back End:
- Search UCSD catalog for selected major + return major requirements
- Search UCSD college requirements (GEs and AP credit acceptances)
- Check for completed credits from AP scores and remove those completed credits

    Should have all required classes for graduation at this point

- Search UCSD catalog for future class availabilities/professors
- Search CAPES/Seascape for professor ratings and average time
- Create algorithm that averages time spent each quarter and follows prerequisite flowchart
- Returns recommended class schedule based on professor ratings/avg time