Find My GenEd

Project Summary

For all undergraduate students, they need to complete a certain amount of credits from general education. Most of the students spend a significant amount of time finding a course they are interested in while trying to maintain a good grade before enrollment.

This Find My GenEd is to provide an user friendly website for undergraduate students to find a relatively high gpa course under the topic that they are interested in.

Description

This application helps students to find the highest GPA courses among all categories of courses needed by GenEd requirement. Based on the input condition by user, for example categories of GenEd, average gpa, online or in-person, etc, the application will filter all the classes that meet the requirements.

Data / Realness

- We collect real data by calling UIUC's API to retrieve all the grades from the past.
- We will filter out all the 500 level courses and the courses that do not satisfy general education credit.

Basic Functionalities

- Display the average gpas based on the professors of a course
- Display the average gpas of all possible sections of a course [pending idea]
- Search courses based on categories, such as non-western, western, social and behavioral science, etc.
- Search courses based on Professor
- Allow students to create a list of GenEd course and provide an estimate gpa for the selected courses
- Able to distinguish the online section from on-campus section

Usefulness

- Similar websites:
https://waf.cs.illinois.edu/discovery/every_gen_ed_at_uiuc_by_gpa/

- What makes our website different:

a. WAF only provides a graph for GenEd courses, while our website will also provide a graph and a table, which will be more convenient for students to compare and make choices.

b. To help students get a better sense between sections, our website will provide more detailed grade information for different sections.

c. WAF only provides overall GPA for a course, while our website will offer various GPAs for different years.

Low fidelity UI mockup

https://www.figma.com/file/tuONTiqYIQn68MKJ3quGh4/cs411_no_time_to_data?node-id=0%3A1

Project work distribution

Frontend: Dongming Liu

Backend: Michael Fadillah, Xinyi Wei, Owen Xu

Database Design/Implementation: Michael Fadillah, Owen Xu

UI/UX: Michael Fadillah, Dongming Liu

Functionality Task:
- a) Display average gpa based on Prof - Dongming Liu
- b) Display average gpa based on section - Owen Xu
- c) Search course based on categories - Michael Fadillah
- d) Search course based on Prof - Dongming Liu
- e) Create student list and analysis - Xinyi Wei
- f) Able to separate ONL course from on-campus - Owen Xu