

Enroll Class Helper

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In this project, we plan to build a user friendly interface on the web application to help the UAlbany students enroll their classes. All we know that the web we use to search the classes is hard to use and the result of the search is also a hard to read document^[1]. It is so unfriendly to the freshman, even for us.

So, this web application will provide a visual interface for searching and selecting the classes. It will have a search bar for quick searching, a bucket to hold the classes that user select, and a week schedule table to visualize the classes and mark the classes if the time is overlapping. Also, we will develop more functions, such as schedule print as PDF file, recommend collocation of the schedule, and even Android and/or IOS app^[2].

The Frame --- what we need to develop this web app

1. Web interface (*A combo of html+css+javascript, we may use Vue3*)
 2. Database (*A database use to store class data, such as name, time, teacher...*)
 3. A background program (*the program will be triggered each day/hour to update the class data to database*)
 4. A middleware (*it will use to provide data to user from database, we may use web API from Microsoft*)
 5. (*optional) Android and/or IOS APP (UI)
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Web interface (by: Henry Qiu)

- HTML+CSS+JS
- Vue3 or maybe some other?
- more ?

Database

- mongo DB or MYSQL or NOSQL (?)
- request to analyze the data from search result and decide what kind of data and what type of data we need to store the class info
- more?

Background program

- a program use to analyze the search result document and transformed into data which database could accept
- update the data into database
- it may need some State Machine knowledge to handle the analyze of document, because each class has more than 20+ different attributes, and need to think about relation between lecture and laboratory

Middleware (by Yunrui Huang)

- will using Web API (C#) to handle the data request
- more?

Other

- Android and/or IOS APP
- Recommend collocation of the schedule
- more?

[1] screenshot of search result

Level: **Undergraduate**
College or School: **College of Arts and Sciences**
Department or Program: **Africana Studies**
Class Number: **6882**
Grading: **A-E**
Course Info: **AAFS 101 Intro to Africana Studies**
Meeting Info: **TTH 04:30_PM-05:50_PM Humanities 024 Agum,David**
Comments:
Credit Range: **3.0- 3.0**
Component is blank if lecture:
Topic if applicable:
Seats remaining as of last update: **0**
Session: **FULL**
IT Commons: **N**
Course Delivery Method: **INPERSON**
General Education Course: **CHALLENGES**
Honors College Course: **N**
Writing Intensive: **N**
Oral Discourse: **N**
Info Literacy: **N**
Special Restriction: **None**
COIL - Collaborative Online International Learning: **NONE**
OER - Open Educational Resources: **NONE**
Course Description: **This course will introduce students to the historical foundations of Africana Studies and discuss its relevance to contemporary society. An interdisciplinary approach will be incorporated as History, Philosophy, Literature, Performing Arts, Sociology, Psychology, Religion/Spirituality, and Anthropology are employed to provide students a detailed analysis of people of African descent in the Western Hemisphere.**

[2] All that function will depend on whether we have enough time or not, so which is optional

