

ENSE 400 GroupProject #4

Team Name: **VSB_Plus**

Team Members: Xia Hua, Xinyu Liu, Jingkang Yang, Priscilla Chua

Due: **Dec 7, 2020**

Brief project blurb

For the creation of the Visual Schedule Builder to a better user-friendly design website, it will help the users to organize and plan out their time table wisely. The making of the website to an interactive course schedule builder, with the advising system of the courses to take, and the course detail visualization that can assist the students to layout the desired course schedule with nicer time arrangement. In addition, it will also benefit advisors with their work, less effort on the unnecessary work and more focus on the most important things.

"Show me us what you got"

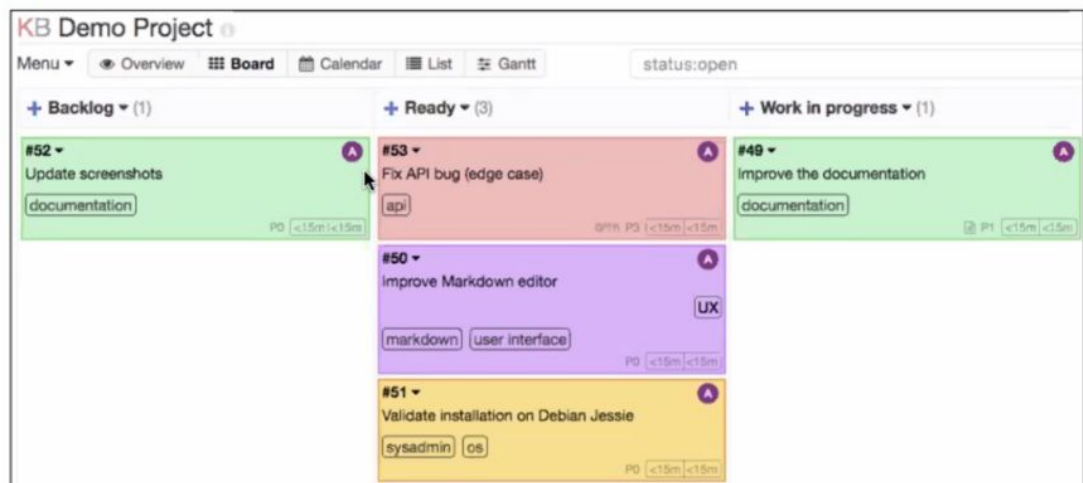
We are now almost done with the coding work for our Visual Schedule Builder Plus website interface and hopefully will finish up all the coding work including css, JavaScript, and JSON in the end of the semester. As well, to consider/decide on some new ideas from the mentor's advice that what can be doing to make this project, the website design more better user-friendly:

- can have different views of the Academic Page,
 - Default linear term registration; the one we had for our Visual Schedule Builder Plus interface design
 - Kanban-style that divide into the part of Already Done, Registered Now, Future Will Take
 - Calendar view such as Terms as the column, 1st row as course supposed to take, 2nd row as courses chosen to register;
 - users can drag the course tag from 1st row down to 2nd row as a registration action
 - draw an arrowed line from the pre-req course in the previous term column, pointing to the child course in the next term column(Pre-req visualization)
 - for the elective courses, fetch the available elective courses from a file, and put the courses in the corresponding term
- different course tags,
 - only the course title (ENSE 400)
 - Course title & Course full name
 - Course info-box (Some detail);
 - info-box per course in the interface(with information items),
 - class title
 - class full name
 - class description

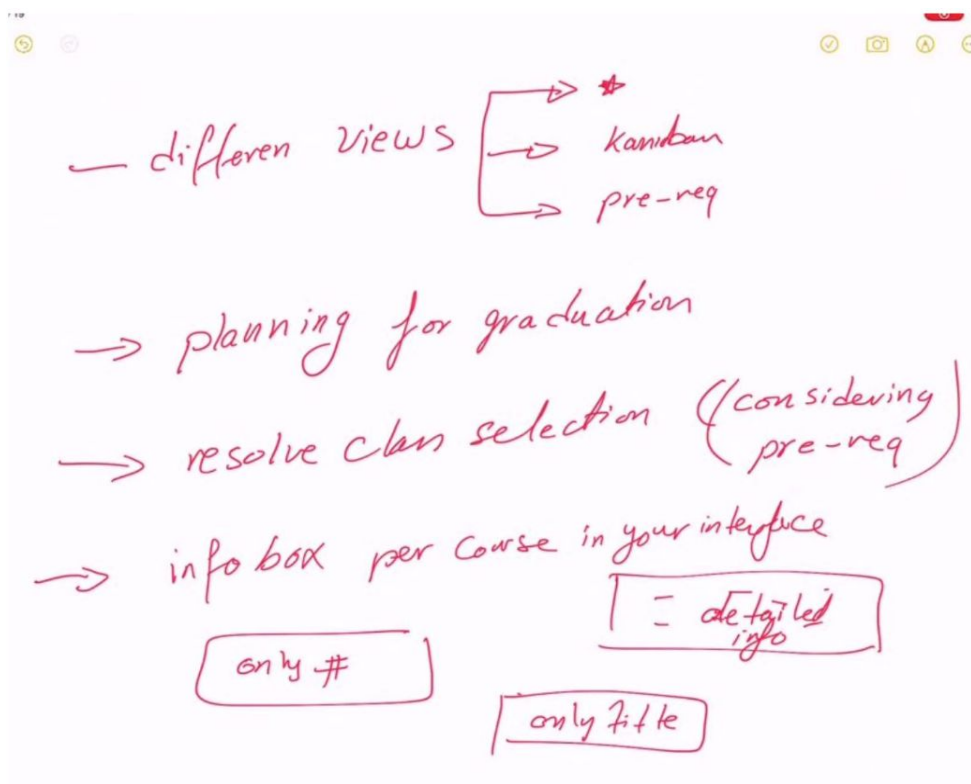
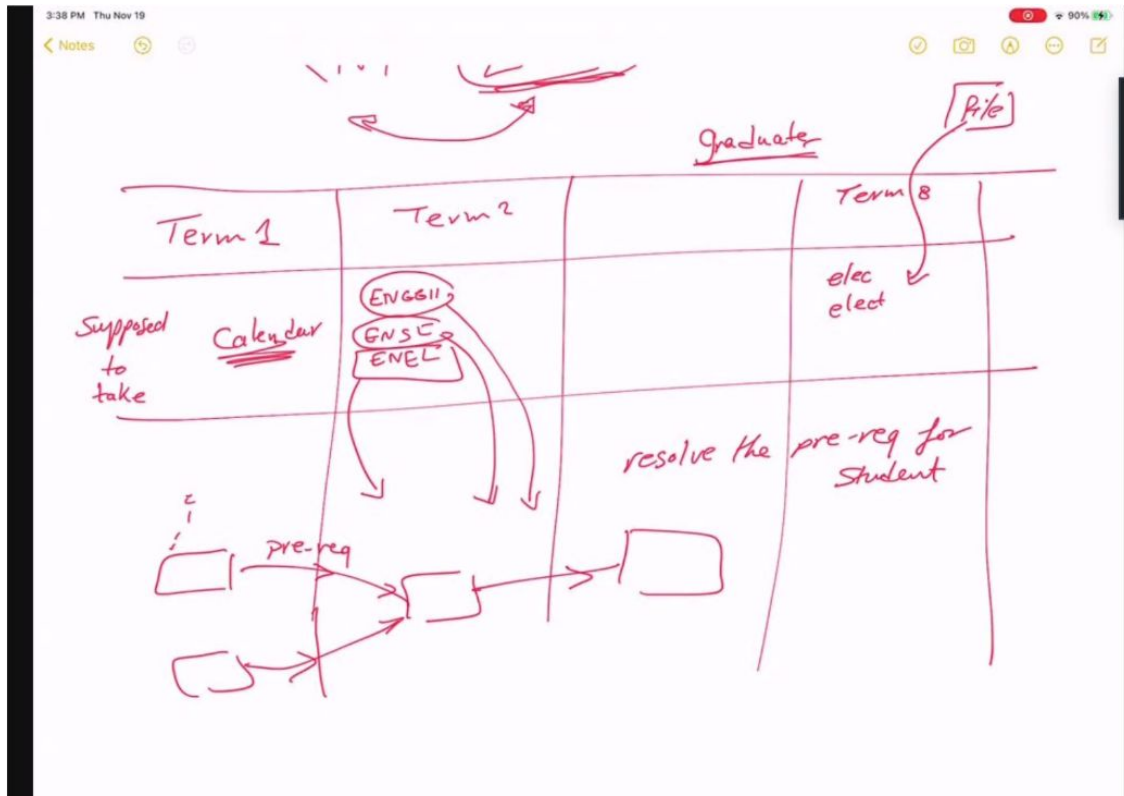
- pre-req
 - teacher's name
 - left seats, student number in class
- more features to make the project look better, and it is good to make the features almost done before diving into database construction
- create dummy items for now as to replace it with PHP link
- thinking for different views(who will handle the courses?),
 - students
 - program chair
 - program adviser, and etc.
- how to be user-friendly to them? how to make their life easier?
- handle the course time confit,
 - eg. after a student registered two conflicted courses, pop out a notification message, and the user can choose to open a link with a pre-filled time-conflict application forum. As well as advisor or dean contact info
- screenshot from the meeting notes of some new advice/ideas:

Kanboard

Kanboard is a free and open source Kanban project management software.




- Visualize your work
- Limit your work in progress to **focus on your goal**
- Drag and drop tasks to manage your project
- Self-hosted



Project demo (from lofi, to hifi, to coded MVP(s))

homePage.html



Visual Schedule Builder Plus

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Project Description

The purpose of this UoR Software Engineering Capstone Project is to enhance the functionality of UoR existing Visual Schedule Builder and helping future students course selection easier. This project will be focused on the students, the building up of their classes schedule. The opinions from the professors of different faculty and the students are standy to be considering. The Visual Schedule Builder Plus will be designed for students into the different faculty, according to the importance and iterations of classes, the Visual Schedule Builder Plus will recommend the courses to take for the students in the different semesters. After the students have chosen and built up their desired time schedule, the Visual Schedule Builder Plus can also give out some advice on their time table to help them for better time planning. A good design of the Visual Schedule Builder Plus that will help to organize and build up the time table would it is to solve the problems such as considering what courses to take first to be able to graduate in time, knowing the different limitations of each course (for example, the prerequisites in order to take the class, and when it offers, or the credit hours required), as well as to be aware of which elective classes to take that will benefit them in the future based on their faculty. The enhancing of the functionality for UoR existing Visual Schedule Builder will help the students to select the courses easier.

Screenshot

Update Log

Project #1 <ul style="list-style-type: none">main.html page createdatabase create	2020-10-28
Project #2 <ul style="list-style-type: none">academicBuilder.html page createdatabase create	2020-11-02

Contact Us

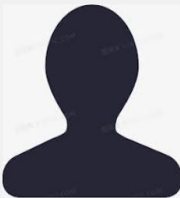
GitHub

- UoR_Plan

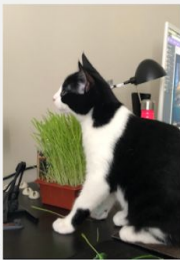
Email

- name@example.com
- name@uofregina.ca
- name@example.com
- name@example.com

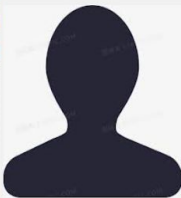
Team Info



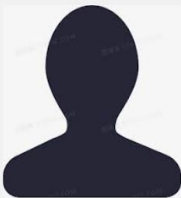
Name: Shaya Lili
SID: XXXXXX
Position: Scrum Master



Name: Huiyang Yang
SID: 200302586
Position: Developer




Name: Xia Hui
SID: 200305748
Position: Developer



Name: Phoenix Chen
SID: 200303104
Position: Business Analyst

academicBuilder.html



Visual Schedule Builder Plus

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Default Schedule(Fall 2020): ^

Term 1: ^

ENSE 400

ENEL 387

ENSE 496AC

ENSE 496AD

ENSE 472

15 credit hours

hard

many quizzes

no proj

Term 2: ^

ENSE 400

ENEL 387

ENSE 496AC

ENSE 496AD

ENSE 472

15 credit hours

hard

many quizzes

no proj

Recommended Schedule(Fall 2020): ^

Term x (next term of latest term): ^

ENSE 400

ENEL 387

ENSE 496AC

ENSE 496AD

ENSE 472

15 credit hours

hard

many quizzes

no proj

Courses completed: ^

ENGG 106

ENGL 100

ENEL 280

ENEL 281

ENEL 282

ENGG 106

ENGL 100

ENEL 280

ENEL 281

ENEL 282

Courses need to take: ^

ENEL 476


Math 213

ENEL 333

ENEL 380

ENEL 374

semesterBuilder.html




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Choose a term: Fall 2020

Course List



Drop here

[ENSE400](#)[ENSE496AC](#)[ENSE496AD](#)

Course Detail Info

ENSE 400
ENSE Project Start-up
Course Detail Info: *****

ENSE 496AC
Artificial Intelligence
Course Detail Info: *****

ENSE 496AD
Machine Learning
Course Detail Info: *****

Weekly Schedule & Exam Date

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00					
9:00	ENSE400		ENSE400		
10:00	ENSE400		ENSE400		
11:00		ENSE400		ENSE400	
12:00		ENSE400		ENSE400	
13:00					
14:00			ENSE496AC		ENSE496AD
15:00			ENSE496AC		ENSE496AD
16:00			ENSE496AC		ENSE496AD
17:00			ENSE496AC		ENSE496AD
18:00					
19:00					
20:00					

Midterm Exam Date:

- ENSE 400: /
- ENSE 496AC: Tuesday, October 20, 2020
- ENSE 496AD: Monday, October 26, 2020


Final Exam Date:

- ENSE 400: Wednesday, December 16, 2020
- ENSE 496AC: Tuesday, December 22, 2020
- ENSE 496AD: Wednesday, December 16, 2020

Courses Completed:
[ENSE374](#)

Courses To Take:
[ENSE401](#)

courseDB.html



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Academic Programs: None Faculty: None

[Submit](#)

[ENSE 400](#)[ENSE 387](#)[ENSE 496AC](#)[ENSE 496AD](#)[ENSE 472](#)

ENSE 400

- Course Name: Systems Engineering Design Project
- ***Prerequisites: ENSE 470 ***
- Labels: Project Class, *****
- Course Description: *****
- Professor have taught:
- History Average: ****
- TextBook: (Not required)
- Course content:
 - Quiz: No
 - Project: Yes
 - Lab: No
 - Syllabus:
 - Assignment: 0%
 - Lab: 0%
 - Quiz: 0%
 - Midterm: 0%
 - Final Exam: 0%

Next up

We will finish up all the coding work including css, JavaScript, and JSON at the end of the semester, and to work on the new ideas of the new interface website design. Next, to organize all the documents in the github. Lastly, to create dummy items for now as to replace it with a PHP link to complete the server setup.