

ENSE 477 VlogProject #4

Team Name: **VSB_Plus**

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

Due: **Feb 4, 2021**

Team member (re)introductions

Project Charter		
Project Name	Visual Schedule Builder Plus(VSB_Plus)	
Business Case	For the creation of the Visual Schedule Builder to a better user-friendly design website(VSB_Plus), it will help the users to organize and plan out their time table wisely. In addition, it is also to benefit advisors with their work, less effort on the unnecessary work and more focus on the most important things.	
Team Members		
Name	Role	Responsibilities
Xia Hua	Code developer	- Build the web page frame - Draw the architecture diagrams - Write the web code - Manage github’s kanban
Xinyu Liu	Scrum Master	- Organize team with milestones - Organize the project documentation - Set up meeting times - Collect team member’s ideas
Jingkang Yang	Code developer	- Set up the AWS Web server - Web page design - Prototype design - Write the web code
Priscilla Chua	Business Analysis	- Documentation stuff - Organize the project’s ideas and insight - Organize meeting notes

Brief project blurb

The development of the Visual Schedule Builder into a better user-friendly design website, that will help the users to organize and plan out their time table wisely. By making the website 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. As well, to assist the advisor with their work, save up time on the unnecessary things and concentrate more on the important ones.

Scrum dates

This scrum,

the start date is January 18, 2021.

end date at the week of February 8, 2021.

Status description

Since the website interfaces are not really built up completely, plus some new ideas and functions are adding up in the design, we as a team think the project's current status is yellow, that is going slightly off track for our product. We will be speeding up our coding process for the website pages, as well as updating Kanban for progress monitoring in GitHub to bring the project back to a good condition.

As for now,

- Xia Hua - will be focused on the coding work of JavaScript, JSON, and PHP files for the website, as well as alteration of the pages if needed. In additionally, update any information to GitHub. (helping others if finished)
- Xinyu Liu - be working on coding part of JavaScript, JSON, and PHP files for the website, as well as alteration of the pages if needed. In additionally, update any information to GitHub. (helping others if finished)
- Jingkang Yang - be doing the coding process of JavaScript, JSON, and PHP files for the website, as well as alteration of the pages if needed. In additionally, update any information to GitHub. (helping others if finished)
- Priscilla Chua - mainly working on documents for the project report, and doing some help with the coding process if any, especially to notify others if there is anything missing for the requirement of the project. In additionally, update any information to GitHub.

Some meeting comments for the previous scrum/meeting time,

1) Redefine and connect with other database:

- If their database connection is provided, simply use PHP database connection.
- If DB is not provided, use our parsing program to fetch data from their website.
- API can also be an option.

2) fullcalendar with repeated event:

- We can get a lecture date from a JSON file and use the repeated add-event function which is built-in the fullcalendar.

3) fullcalendar export:

- Future work: can be exported to an easy to read format, like PDF or iCal. (RSS)
- We can try to export the generated calendar to iCal or ics format.
- And users can import it to their preferred calendar program.

4) Mobile display:

- Future task: try with different screen scale.(phone, pad)

5) Responsibility:

- We choose to continue on separate pages.
- So that everyone can participate in the LAMP project development.

6) Role-based accessibility:

- non-login user VS login user.

7) Redesign academic pages

Project issues

As our project website is redefined and is connected to the user database(other database), the user can simply use PHP database connection when their database connection is provided. Or else, the DB is not provided, users will use our parsing program to fetch data from their website. Likewise, the API can also be an option to do the connection.

For fullcalendar exporting, if we have more time in the future, we will export the fullcalendar to an easy to read format, like PDF or iCal.(RSS) Also, we can try to export the generated calendar to iCal or ics format. Then, users can import it to their preferred calendar program.

Project changes


The improvement for our fullcalendar function on the website. Firstly, the fullcalendar with repeated events, that we can get a lecture date from a JSON file and use the repeated add-event function which is built-in the fullcalendar. Next, the exporting of fullcalendar, in the future work if we have more time, we can be exported to an easy to read format, like PDF or iCal.(RSS) As well, we can also try to export the generated calendar to iCal or ics format for more options to the user to import it to their preferred calendar program.

The new plan out for the screen display of our project website. Such as the mobile display, that to try on our website pages with a different screen scale.(phone, pad)

The need of redesigning our academic pages for an outcome of more better user-friendly design.

Project demo

homePage.html



Visual Schedule Builder Plus

[Academic Schedule Builder](#) [Semester Schedule Builder](#) [Course List Database](#)

php_userName
php_SID Logout

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 mainly to be considering. The Visual Schedule Builder Plus will be designed for students into the different faculty. Then through the faculty, according to the importance and limitations 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 wisely. 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 requires), as well 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 U of R existing Visual Schedule Builder will help the students to select the courses easier.

Screenshot

Update Log

Project #1

- main.html page create
- database create

2020-10-28

Project #2

- academicBuilder.html page create
- database create

2020-11-02

Contact Us


GitHub

- [VSB_Plus](#)

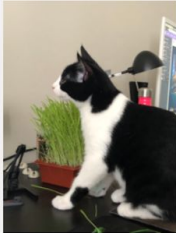
Email

- lsu725@uregina.ca
- yang242j@uregina.ca
- name@example.com
- name@example.com


Team Info




Name: Xinyu Liu
SID: 200362878
Position: Scrum Master



Name: Jinggang Yang
SID: 200362586
Position: Developer



Name: Xia Hua
SID: 200368746
Position: Developer




Name: Priscilla Chua
SID: 200363504
Position: Business Analysis

Team Description:

Our goal is to create a user friendly, interactive schedule builder. We are a group of University of Regina Software Engineering students.

Copyright © Sep. 2020 to 2021 UoR VSB Plus Capstone Group All Rights Reserved
Credit: Login source code from w3schools.com "How TO - Login Form"
[About Us](#)

academicBuilder.html



Visual Schedule Builder Plus



Academic Schedule Builder

Semester Schedule Builder

Course List Database

php_userName

php_SID Logout

Views:  

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

Coures completed: ^

ENGG 100

ENGL 100

ENEL 280

ENEL 281

ENEL 282

ENGG 100

ENGL 100

ENEL 280

ENEL 281

ENEL 282

Coures need to take: ^

ENSE 470

Math 213

ENEL 353

ENEL 380


ENEL 374

Copyright © Sep. 2020 to 2021 UoR VSB_Plus Capstone Group.All Rights Reserved

Credit:

[About Us](#)

academicBuilderCDetail.html

**Visual Schedule Builder Plus**

Academic Schedule Builder

Semester Schedule Builder

Course List Database

php_userName
php_SID Logout

Completed Course Detail Page

Course Completed

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

Course In Progress

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

- Time: xxxx

- Instructor: xxxx xxxx

- Exams: xxxxxxxx

- Distribution : Lorem ipsum dolor sit amet consectetur adipisicing elit. Consequat dignissimos con non, nisi ad corrupti eum molestias hic. Porro, suscipit!

Show Less

Course Left

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019

- Lab : None

Show More

ENGL 100

- System Engineering Design Project

- Term : 2019


- Lab : None

Show More

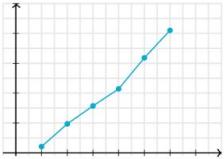
Program

Total Credit Hours:136(46 courses)

Revenue per product



Product 1
Product 2
Product 3




Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)

academicBuilderNCDetail.html(unfinish, in process)

academicBuilderRecDetail.html(unfinish, in process)

academicBuilderTable.html



Visual Schedule Builder Plus



Academic Schedule Builder

Semester Schedule Builder

Course List Database

php_username

php_SID Logout

Views:  

Terms already taken

Term1	Prerequisites	Type
ENGG100	None	compulsory course, engineer
ENGL100	None	compulsory course, language
ENGL123	None	compulsory course, engineer

Recommend course in following term

Term1	Prerequisites	Type
ENGG100	None	compulsory course, engineer
ENGL100	None	compulsory course, language
ENGL123	None	compulsory course, engineer

Not complete course

	Prerequisites	Type
ENGG100	None	compulsory course, engineer
ENGL100	None	compulsory course, language
ENGL123	None	compulsory course, engineer

Completed course


	Prerequisites	Type
ENGG100	None	compulsory course, engineer
ENGL100	None	compulsory course, language
ENGL123	None	compulsory course, engineer

Copyright © Sep. 2020 to 2021 UoR VSB_Plus Capstone Group All Rights Reserved

Credit:

[About Us](#)

academicBuilderTermDetail.html



Visual Schedule Builder Plus

Academic Schedule Builder


Semester Schedule Builder

Course List Database

php_username

php_SID Logout

Course of term Detail Page




None	Term1 2018 Fall (Finished)	Term2 2019 Winter (Current)	Term3 2019 Fall (Upcoming)
Optional Course		ENGG 100	
		ENGL 100	
		ENSE 400	
Course Schedule	CS 400		
	MATH 400		
		2	6
		2	6
		2	6

Copyright © Sep. 2020 to 2021 UoR VSB_Plus Capstone Group All Rights Reserved

Credit:

[About Us](#)



Visual Schedule Builder Plus

Academic Schedule Builder
[Semester Schedule Builder](#)
[Course List Database](#)
[php_userName](#)
[php_SID Logout](#)

Schedule Builder

Term1:

< >

Add:

< >

Term2:

< >

Add:

< >

111
111
111

111
111
111

Course Completed

ENSE 271	ENSE 271	ENSE 271	ENSE 271
ENSE 271	ENSE 271	ENSE 271	ENSE 271
ENSE 271	ENSE 271	ENSE 271	ENSE 271

< >


Course to take

ENSE 271	ENSE 271	ENSE 271	ENSE 271
ENSE 271	ENSE 271	ENSE 271	ENSE 271
ENSE 271	ENSE 271	ENSE 271	ENSE 271

< >

Copyright © Sep. 2020 to 2021 UoR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)

[Go to academic main](#)
[Go to Default Schedule](#)


Visual Schedule Builder Plus

[Academic Schedule Builder](#)
[Semester Schedule Builder](#)
[Course List Database](#)

[php_userName](#)
[php_SID](#) [Logout](#)

Default Schedule

Term1:

Term2:

Term3:

Term4:

111
111
111

111
111
111

Course Completed

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

Course to take

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271

ENSE 271


ENSE 271

ENSE 271

ENSE 271

[Go to Schedule Builder](#)

Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)



Visual Schedule Builder Plus

Academic Schedule Builder

Semester Schedule Builder

Course List Database

php_userName

php_SID Logout

Welcome UserName

1

2

3

4


< >

The Summary Pie Chart

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Harum ducimus, doloremque nulla eius reiciendis veritatis, enim accusantium voluptatem velit consequuntur neque autem, ullam deleniti itaque. Error repellat quam fugit dolor.

The Summary Pie Chart

Revenue per product

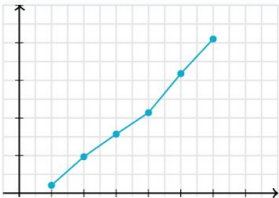


Product 1

Product 2

Product 3

The Line Chart



The Line Chart

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Pariatur porro repudiandae ut voluptas culpa ab ipsam est numquam ea aperiam eligendi laboriosam similique, iusto beatae nesciunt amet exercitationem eius? Temporibus!

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Blanditiis dolores, temporibus quaerat tempora, natus quam totam cupiditate magni omnis voluptatibus et provident. Ipsum autem laudantium blanditiis adipisci harum libero quidem?

Go to Default Schedule


[Completed Course Detail Page](#) [academicBuilder page](#) [academicBuilder Table](#)

Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved

Credit:

[About Us](#)

semesterBuilder.html



Visual Schedule Builder Plus

Academic Schedule BuilderSemester Schedule BuilderCourse List Database

php_userName
php_SID Logout

Choose a term: Fall 2020

Drop here

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

< > today

February 2021

month week day

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	1	2	3	4	5	6
7	8	9	10	11	12	13

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


Copyright © Sep. 2020 to 2021 UofR VSB, Plus Capstone Group All Rights Reserved
Credit: Calendar source code from fullcalendar.io version 5.5.1
Fullcalendar tutorial: Youtube video "JS To-do List #14 FullCalendar - Rendering a Calendar with JavaScript"
Note
When accessing this page, if user is logged in, getting user info and stay this page.
When accessing this page, if user is NOT logged in, redirect to the semesterLogin page to login.
When leaving this page, if user is logged in, every page will have a user info section at nav-right.
To log out, click the log off button in the user info section at nav-right.
If user is NOT logged in, every other page will NOT have a user info section at nav-right.

About Us

Courses Completed:
ENSE374

Courses To Take:
ENSE401ENSE400ENSE496ACENSE496AD

courseDB.html



Visual Schedule Builder Plus

Academic Schedule BuilderSemester Schedule BuilderCourse List Database

php_userName
php_SIDLogout

Select Course:

Faculty

ENSE
ENEL
ENEV
ENPE
ENIN
ENGG
CS
BUS
CHEM

ENSE 4003.00 Credit

Systems Engineering Design Project
Description: Students are given the opportunity to propose, develop and present engineering design projects which they


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%

ALL

Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)

login.html



Visual Schedule Builder Plus

Academic Schedule BuilderSemester Schedule BuilderCourse List Database

LogInSignUp

User LogIn

Student ID:


Password:

Forget PasswordLogin

Login as GUEST will not have full access to this website

Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)

signup.html

**Visual Schedule Builder Plus**

Academic Schedule BuilderSemester Schedule BuilderCourse List Database

LoginSignUp

User SignUp

Student ID:

Student Name:

Campus:

Faculty:

Program:

Major:

Minor:

Concentration:

Total Credit Hours:

Grade Point Average:

Password:

Reset FormSubmit

*Already have an account? [Login here](#) *

Copyright © Sep. 2020 to 2021 UofR VSB_Plus Capstone Group All Rights Reserved
Credit:
[About Us](#)

api_test.html

VSB_Plus php api testing page

Get a single course information

Course short name:

Schedule Type:

Term:

Next up

To finish up all the coding work including JavaScript, JSON and PHP files, as well as the beautify/improvement of the website interface. Then, start to do some code tests and user tests. And the overall work for each member,

★ Xia Hua:

- coding work of JavaScript, JSON, and PHP files for the website
- the alteration of the pages if needed
- update any information to GitHub. (helping others if finished)

★ Xinyu Liu:

- coding part of JavaScript, JSON, and PHP files for the website
- the alteration of the pages if needed

- update any information to GitHub. (helping others if finished)

★ Jingkang Yang:

- coding process of JavaScript, JSON, and PHP files for the website
- the alteration of the pages if needed
- update any information to GitHub. (helping others if finished)

★ Priscilla Chua:

- documents for the project report
- some helping with the coding process if any, especially to notify others the missing thing for the requirement of the project
- update any information to GitHub.