



VSB_Plus

Vlog #3

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Dec 11, 2020



Project news

What are we have changed since last vlog

- Add different views to the accademic page (in progress)
- Make tags less colorful
- Designing database structure



Project & documentation review

What we have done:

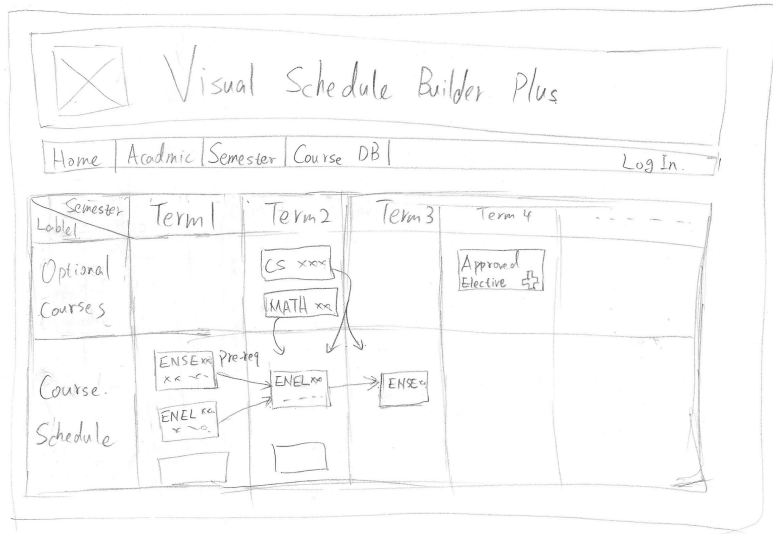
1. Construct a Lo-Fi & Hi-Fi prototype for different views
2. Database Entity Relationship Diagram
3. Database Hi-Fi excel demo

What we are doing:

1. Website UI design improvement
2. Constructing different views for course schedule

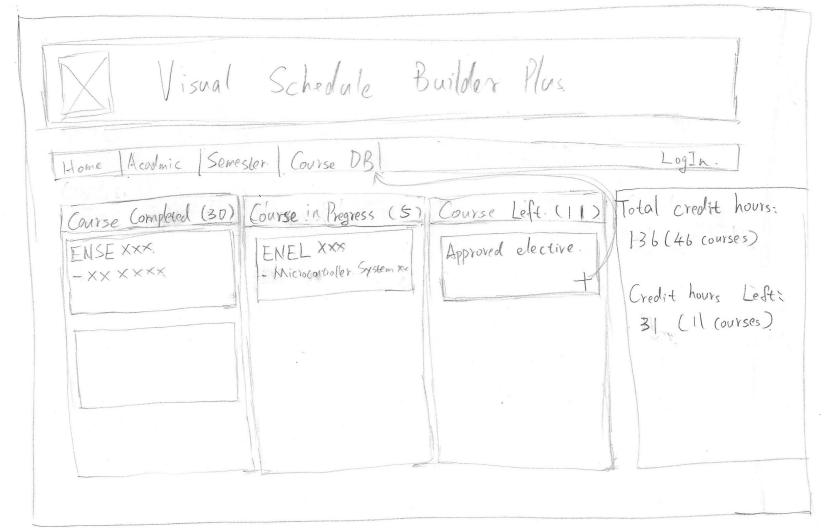
Prototypes (Lo-fidelity) For different views

Calendar view.



Calendar View

Kanban - style view



Kanban-style View

Prototypes (Hi-fidelity) For different views

Calendar Sc...

https://www.vsb_plus/Academinc.com

Visual Schedule Builder Plus

Home Academic Schedule Builder Semester Schedule Builder Course List DB Login

Calendar Schedule

Semester	Term 1 2018 Fall (Finished)	Term 2 2019 Winter	Term 3 2019 Summer	Term 4 2019 Fall	Term 5 2020 Winter	
Optional Courses		ENGG 100 ENGL 100 ENEL 280	Math 115	CS 210 CS 215	Approved Elective	+ Add Semester
Course Schedule	CS 110 MATH 110 + Calculus I + Teacher Name + Pre-req	ENEL 282 + xxxxxx + Pre-req + Teacher Name	Math 115		CS 340 ENSE 281 + xxxxxx + Teacher Name + Pre-req	

Calendar View

Visual Schedule Builder Plus

Home Academic Schedule Builder Semester Schedule Builder Course List DB Login

Kanban style Schedule

Course Completed (30)

ENSE 374
- System Engineering Design Project
- Term: 2019 Fall
- xxxxxxxxxx
[Show More](#)

ENEL 387
- Microcontroller System Design
- Term: 2019 Winter
- xxxxxxxxxx
[Show More](#)

ENSE xxxxx
- xxxxxxxx xxxxxx
- Term: 2019 Fall
- xxxxxxxxxx
[Show More](#)

Course in Progress (3)

ENSE xxx
- xxxxxxxx xxxxxx
- Term: 2020 Fall
- xxxxxxxxxx
[Show More](#)

CS xxxxx
- xxxxxx
- Term: 2020 Fall
- xxxxxxxxxx
- xxxxxxxx
- Distribution

[Show Less](#)

Course Left (11)

ENGG 401
- xxxxxxxx xxxxxx
- Term: 2021 Winter
- xxxxxxxxxx
[Show More](#)

Approved elective
- ENEL 489
- xxxxxxxx xxxxxx
[+](#)

Program

Total Credit hours:
136 (46 courses)

Performance trend

Kanban-style View

Unexpected difficulty

Re: API for class details



发件人 Mark haidl 

收件人 liu725 

日期 星期一 10:55

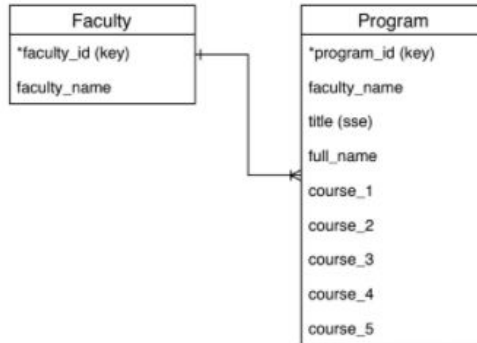
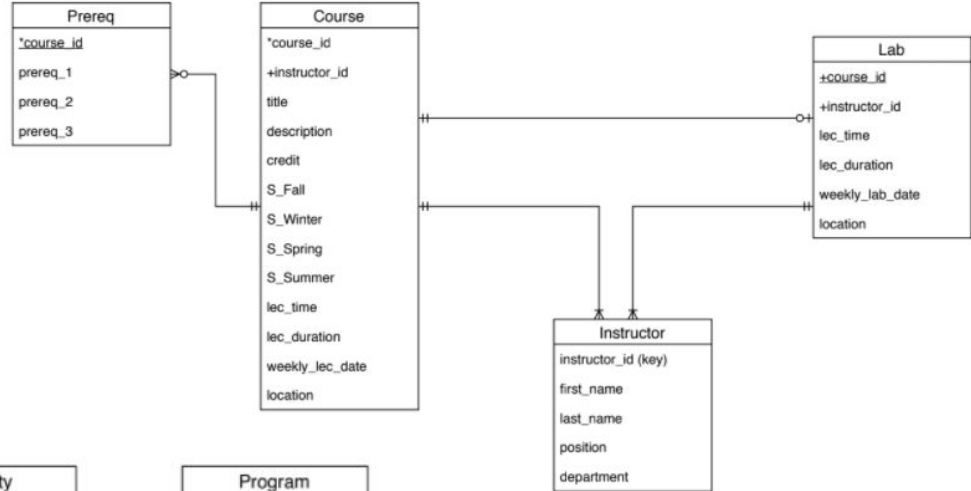
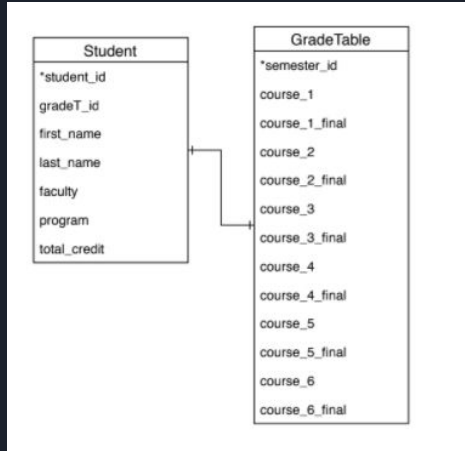
Xinyu,

I have asked the UofR Registrar for permission to release the complete class schedule to you and was informed that the complete data cannot be released. Sorry.

--

Mark

Database Entity Relationship Diagram



Database Hi-Fi exceldemo

VARCHAR(255)	INT	VARCHAR(255)	TEXT	INT	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)	TIME	INT	VARVHAR(255)	VARCHAR(255)
course_id	instructor_id	title	description	credit	semester_1	semester_2	semester_3	semester_4	lec_time	lec_duration	weekly Lec_date	location
engg100	10	Engineering Graphics	*****	3	fall	winter		summer	09:30	4500	M-W-F	remote
cs110	15	Computer Science	*****	3	fall	winter		summer	12:00	4500	M-W-F	remote
math110	2	Calculus I	*****	3	fall		spring		09:30	4500	T-R	remote

INT	INT	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)	INT
student_id	gradeT_id	first_name	last_name	facutly	program	total_credit
200473989	10086	****	*****	Engineering	Software	36
200123457	10078	****	*****	Engineering	Software	46
200432451	10012	****	*****	Engineering	Software	20

INT	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)	VARCHAR(255)
instructor_id	first_name	last_name	position	department
1	Timothy	Maciag	Ph.D. Lecturer	Software Systems Engineering
2	Kin-Choong	Yow	Ph.D. Associate Professor	Software Systems Engineering
3	Dianliang	Deng	Ph.D. Professor	Mathematics & Statistics
4	Adam	Tilson	B. A. Sc., Engineer-in-Training, Lab Instructor	Software Systems Engineering

Web-page Demo



Visual Schedule Builder Plus

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

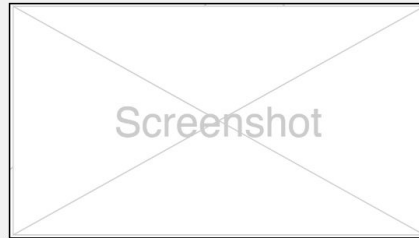
[LogIn](#) [SignUp](#)

Project Description

The purpose of this UofR Software Engineering Capstone Project is to enhance the functionality of UofR 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.



Team Info

VSB Plus - HomePage - Google Chrome

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

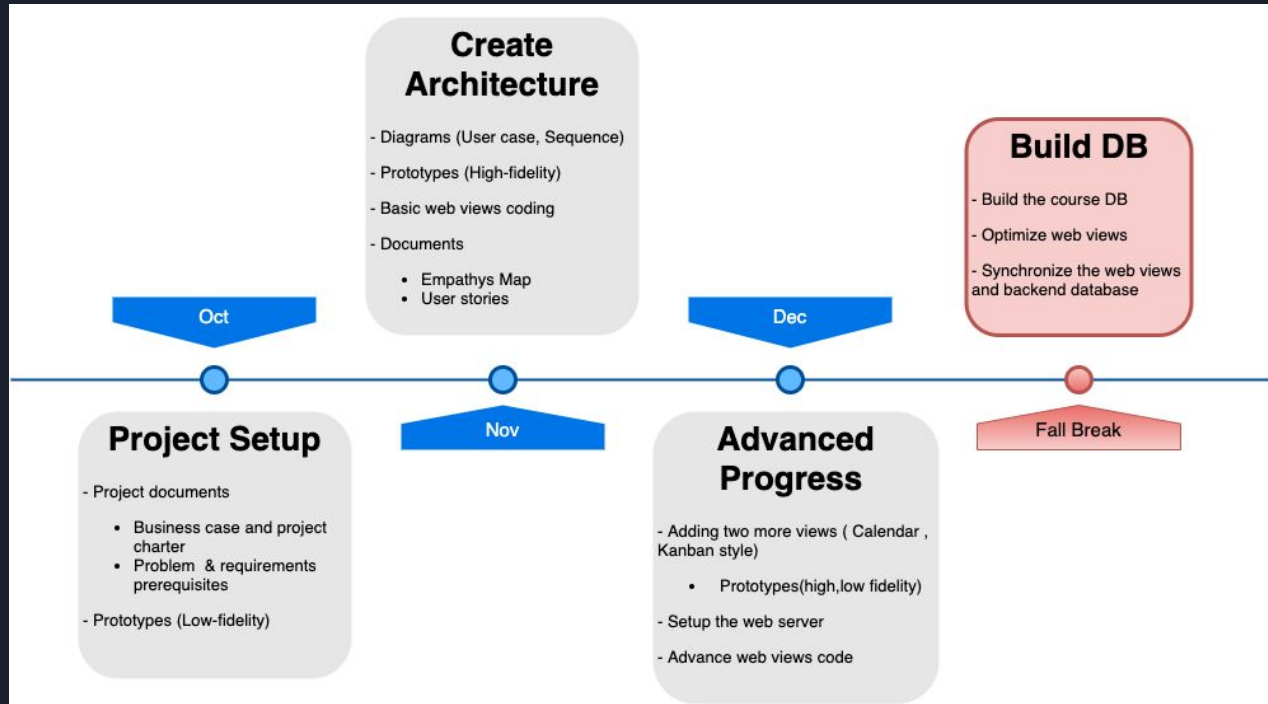
GitHub

- [VSB_Plus](#)

Email

- liu725@uregina.ca
- yang242j@uregina.ca
- name@example.com
- name@example.com

Term summary





Plan vs Reality

Plan:

- A colorful, interactive, and visualized online course recommendation and registration site.

Changes:

- Less colorful
- Build our own course database.

Most proud:

- Gained the experience of building a website from scratch (database, server, frontend, backend, connection, etc).

Stuff & things planned that need more tinkering:

- UI design



Forward plans

Fall/Christams:

1. Database construction (collect data manually)
2. Setup AWS server
3. Advance the web view and

Start of ENSE 477:

1. Connecting the database with the web views



Group reflection

Do you feel you are on track?

- Yes, still working on page construction and perfection.

Do you feel there are barriers to your success (if any)?

- Lack of experience and takes time to learn while applying what we have learned.

Do you need any help going forward?

- So far, no.



Reference

- VSB_Plus Github Repository