

ENSE 477 VlogProject #5Team Name: **VSB_Plus**

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

Due: **Mar 18, 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(Current)
Xia Hua	Code developer	- academic builder page(main focus) - academic default page(secondary)
Xinyu Liu	Scrum Master	- course database page - code testing
Jingkang Yang	Code developer	- semester builder page
Priscilla Chua	Business Analysis	- academic default page(main focus) - academic builder page(secondary) - Documentation

Brief project blurb

The improving design of the Visual Schedule Builder into a better user-friendly website, that will help the users to organize and plan out their time table wisely. As making a 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. Plus, 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 March 4, 2021.

end date at the week of March 17, 2021.

Status description

The project's overall status is yellow-green, which we now can see our project work is going back on track. Our MVP is done, but will need a little bit touch on the code refactoring and maybe some new functions. We will continue to update Kanban for progress monitoring on GitHub.

- Xia Hua(yellow-green) - more test and debug needed to do for the web pages
- Xinyu Liu(yellow) - still working on the test phase
- Jingkang Yang(green) - have finished the prerequisites algorithm and the implementation
- Priscilla Chua(yellow-green) - working on the elective courses refactoring

For this scrum,

- Xia Hua - finishing the academic builder page
- Xinyu Liu - the building up of automated testing framework, and the adding of the basic test cases
- Jingkang Yang - done the mobile views for all web pages, add on another input method, and the display out of registration status
- Priscilla Chua - working on the academic default page, and the document report

For next scrum,

- Xia Hua - doing the code testing, debug, and refactoring
- Xinyu Liu - the adding of the test cases for new features, and writing the test documents
- Jingkang Yang - work on the code refactoring, and the poster design for project
- Priscilla Chua - focus on academic default page of electives section, that to do the sorting of elective courses by their course name

Some meeting comments for the previous scrum/meeting time,

1) the managing of our work item list:

- the redesign on project kanban, as adding the priority labels
- create the sprint-9 kanban to focus on to-do-list
- GitHub demo

2) prerequisites are a necessary work item; what things happen if I pick a class that needs prerequisites I don't have:

- will output an alert message box to show the class registration status

3) consideration a mobile view for our project:

- have redesigned the layout of our project web pages to make it fit to show for the mobile view
- however, there is one page will not be working with the touch screen

4) diving into Docker:

- decided not to use Docker for the setup test environment
- the test framework will be good enough to do the testing for our website pages

Project news

The MVP of our project is done, and the testing is in progress.

Project demo

login.php

University of Regina Visual Schedule Builder Plus

×

Login SignUp

User Login

Student ID:

Password:

Login Forgot Password

Login as [GUEST](#) will not have full access to this website

User Notes:

This web application is developed and test without the support of UofR ITsupport. Some of the courses' data may vary from the UofR official website. In the event of any conflict between this application and the University of Regina, the latter shall prevail.

The Simulated courses schedules are only for reference, please make the official advice as the standard.

Please do **NOT** block Pop-ups

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signup.php



Visual Schedule Builder Plus



LogIn

SignUp

User SignUp

*** Student ID:

200312345

*** Student Name:

LastName, FirstName

Campus:

University of Regina

Faculty:

Engineering and Applied Science

Program:

Bachelor of Applied Science

Major:

Software Systems Engineering

Minor:

Concentration:

*** Total Credit Hours:

h

*** Grade Point Average:

60

%

*** Password:

*** Confirm Password:

Submit


Reset

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


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academicBuilder_Main.php



Visual Schedule Builder Plus



Academic Schedule Builder ▾ Semester Schedule Builder Course List Database

Tsai, Ming

Welcome Tsai, Ming

Summary Board

SID:
200343506

Major:
ISE

Course Left:
46 / 46

GPA:
NaN

Score Distribution

Good Grade


Generate

Poor

NP

Term Average

Performance Semester



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academicBuilder_Default.php



Visual Schedule Builder Plus

Academic Schedule Builder ▾

Semester Schedule Builder

Course List Database

Tsai, Ming

Default Schedule

term1:

CHEM 104

General Chemistry I

ENGG 123

Engineering Design and Communications

ENGG 140

Mechanics for EngineersStatics

MATH 110

Calculus I

MATH 122

Linear Algebra I

term2:

CS 110

Programming and Problem Solving

ENGG 100

Engineering Graphics

ENGL 100

Critical Reading and Writing I

MATH 111

Calculus II

PHYS 119

General Physics II

term3:

ENEL 280

Electrical Circuits

ENEV 223

Engineering, Environment, and Society

ENGG 141

Mechanics for EngineersDynamics

MATH 217

Differential Equations I

Approved

Course Info not found

term4:

ENIN 233

System Dynamics

ENIN 241

Mechanics of Deformable Solids

MATH 213

Vector Calculus

STAT 289

Statistics for Engineers

CHEM 105

General Chemistry II

term5:

Approved

Course Info not found

ENEV 261

Engineering Fluid Mechanics

ENGG 330

Engineering Numerical Methods

ENIN 331

Simulation of Industrial Systems

ENIN 343

Manufacturing Processes and Machinery

term6:

BUS 260

Introduction to Organizational Behaviour

ECON 201

Introductory Microeconomics

ENEL 380

Automation and Control

ENIN 253

Engineering Thermodynamics

ENIN 350

Chemical Manufacturing Process

term7:

ENIN 355

Heat Mass and Momentum Transfer

ENIN 430

Systems Management

ENIN 440

Statistical Quality Control

ENIN 453

Mechanical Systems Equipment

Approved

Course Info not found

term8:

BUS 250

Introduction to Human Resource Management and Industrial Relations

ENGG 303

Engineering Economics and Project Management

ENIN 340

Human Factors Engineering

ENIN 349

Industrial Machine Design

ENIN 400

ISE Project Start-up

term9:

BUS 210

Introduction to Marketing

ENGG 401

Engineering Law and Professionalism

ENIN 413

ISE Team Design Project and Communications

ENIN 433

Risk Assessment and Decision Analysis

Approved

Course Info not found

Approved Electives

ENSE:

ENEL 389

ENEL 484

ENGG 411

ENIN 370

ENIN 445

ENIN 448

ENIN 456

CS:

ENIN 370

ENIN 445

ENIN 456

ENIN 448

ENIN 455

undefined

undefined

ENEL:

undefined

undefined

All Other Course Electives:

MATH 122

MATH 111

MATH 213

MATH 217

CS 110

CS 115

CS 210

CS 215

CS 340

CS 205

CS 315

CS 330

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Credit:

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Credits: 0

Customize Schedule Builder (Not recommended use in touchscreen)

Winter

Spr./Sum.

Fall

Winter

Spr./Sum.

Fall

Winter

Spr./Sum.

Fall

Course to take

ALL ENSE ENEL CS			
CHEM 104	ENGG 123	ENGG 140	MATH 110
ENGG 100	ENGL 100	MATH 111	PHYS 119
ENGG 141	MATH 217	ENIN 233	ENIN 241
CHEM 105	ENEV 261	ENGG 330	ENIN 331
ECON 201	ENEL 380	ENIN 253	ENIN 350
ENIN 440	ENIN 453	BUS 250	ENGG 303
ENIN 400	ENIN 444	BUS 210	ENGG 401
ENEL 389	ENEL 484	ENGG 411	ENIN 370
ENIN 456	ENIN 370	ENIN 445	ENIN 456

Course Taken History

< >

W

Passed


Great

NP

Good

Excellent

semesterBuilder.php



Visual Schedule Builder Plus

Academic Schedule Builder ▾

Semester Schedule Builder

Course List Database

Tsai, Ming

Step 1: Choose Semester

Fall 2020

Step 2: Search Class

ENGL 100

Submit

Course List

Course Detail Info

Weekly Schedule & Exam Date

CS 110

ENGG 123

CS 110

Programming and Problem Solving

001-070

An introduction to problem-solving techniques, the fundamental concepts of programming, and the software design process. Topics will include: data types, control structures, scope rules, functions, files, and the mechanics of running, testing and debugging. Problems will be drawn from various science disciplines.

ENGG 123

Engineering Design and Communications

001-091

Students will be introduced to the concepts of engineering design and communications. In addition, the consequences of engineering projects on society will be explored.

Aug – Sep 2020

month

week

	Mon 8/31	Tue 9/1	Wed 9/2	Thu 9/3	Fri 9/4
7am					
8am					
9am					
10am					
11am					
12pm					
1pm					
2pm					
3pm					
4pm					
5pm					
6pm					
7pm					
8pm					
9pm					

Final Exam Date:

CS 110 [001]: Saturday, Dec 12 2020 2:00 pm - 5:00 pm

ENGG 123 [001]: Wednesday, Dec 23 2020 2:00 pm - 5:00 pm

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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:

About Us

API Test

Test CLICK

Courses Completed:

Courses Recommended:

CHEM 104

MATH 110

MATH 122

ENGG 100

ENGL 100

MATH 111

courseDB.php

The screenshot shows the 'Visual Schedule Builder Plus' interface for the University of Regina. The top navigation bar includes 'Academic Schedule Builder', 'Semester Schedule Builder', and 'Course List Database' (which is highlighted). The user 'Tsai, Ming' is logged in. Below the navigation bar, there is a 'Select Course:' dropdown and a 'Toggle Courses List' button. On the left, a 'Faculty' sidebar lists various departments: ENSE, ENEL, ENEV, ENPE, ENIN, ENGG, CS, BUS, and CHEM. The main content area displays a list of courses with their descriptions and credit values. The selected course, ENSE 400, is shown in detail on the right, including its name, prerequisites, and a description. Below the course details, there is a bar chart titled 'Num of course in semesters' showing the number of lab and lecture hours for the selected course.

University of Regina Visual Schedule Builder Plus

Academic Schedule Builder Semester Schedule Builder Course List Database Tsai, Ming

Select Course: [Dropdown] [Select] [Toggle Courses List]

Faculty: ENSE, ENEL, ENEV, ENPE, ENIN, ENGG, CS, BUS, CHEM

ENSE 400 3.00 Credit
Systems Engineering Design Project
Description: Students are given the opportunity to propose, develop and present engineering design

CHEM 104 3.00 Credits
General Chemistry I
Description: An introduction to the fundamental principles of chemistry. Topics discussed will include

CHEM 140 3.00 Credits
Organic Chemistry I
Description: An introduction to organic chemistry. Organic functional groups, nomenclature, reactions

CHEM 105 3.00 Credits
General Chemistry II
Description: A continuation of CHEM 104. Topics discussed will include kinetics, equilibrium, acids and

ENGG 123 3.00 Credits
Engineering Design and Communications
Description: Students will be introduced to the concepts of engineering design and communications. In

ENGG 140 3.00 Credits
Mechanics for Engineers Statics
Description: Introduction to statics and mechanics. Includes force vectors, statics of particles and

ENSE 400

- Course Name: ENSE Project Start-up
- ***Prerequisites: ENSE 470 and successful completion of 99 credit hours ***
- Course Description: Students are given the opportunity to propose, develop and present engineering design projects which they are expected to further pursue in ENSE 477. Issues of safety, feasibility, and engineering responsibility are discussed. Student form design teams in this class and are expected to write a project plan document, compose a preliminary design document, and present their project to their fellow students.

Num of course in semesters

Number of Lab Number of Lecture

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3

Next up

To do the code debugging and refactoring, the complement of testing jobs, and lastly working on a better performance for the mobile device.

And the overall work for each member,

- ★ Xia Hua:
 - doing the code testing, debug, and refactoring
- ★ Xinyu Liu:
 - adding the test cases for new features
 - writing the test documents
- ★ Jingkang Yang:
 - work on the code refactoring
 - poster design for project
- ★ Priscilla Chua:
 - the academic default page of electives section, that to do the sorting of elective courses by their course name

Team reflection

As a team, we feel that we are on track as we finished our MVP no.1 for the project, and are almost done with the test. Our barriers to success are lack of design and coding experience, and UI design is only usable. Lastly, we don't see that we need any help so far.