

UVIC Student Enrollment Team (Group 1)

University of Victoria Timetable Improvement Request for Proposal Version 1.0

Date: September 24, 2021

University of Victoria Timetable Improvement

Request for Proposal

Project Version 1.0

Document History

Version	When	Who	What
1.0	September 21, 2021	Steven Chan, Austin Basset, Sabrina Lee, Michael Kuang, Lagan Chohan, Mehdi Raji	Initial Drafting and Revision

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1.0 Problem Description / Expression of Need

The University of Victoria's (UVic) current course registration and timetable building services are confusing, clunky, and difficult to use. Currently, students must navigate through multiple pages to create a timetable and register for courses. UVic requires new systems that are more intuitive, user-friendly, and capable; an integration of both systems into a singular system should be explored.

2.0 Project Objectives

The ideal solution shall possess all of the following:

- Be web-based. The user should not be required to install an application on their device to access the service.
- Integrated course selector and timetable. A user should be able to select an arbitrary number of courses and preview on the timetable the course times.
- Integrated course summary. A User shall be able to view course information, including but not limited to: name of instructor; number of current registered students, max capacity of class, number of current waitlisted students, and waitlist capacity; Course Reference Number (CRN); and location.
- Registration assistance. The service should provide an option to allow the User to enroll in any or all of their selected courses. Upon attempting to enroll, if the user is unable to enroll in a course due to course capacity, then the User shall be presented a list of the courses that were not eligible for enrollment.

The optimal solution should also implement the following:

- Booklist feature. A user should be able to receive a list of all textbooks required in their enrolled courses. This list shall contain, at minimum: the book title, edition, and author(s); the ISBN of the book; and hyperlinks to purchase the book.
- Export to Portable Document Format (PDF). A User shall be able to export their timetable to a PDF. This file shall contain, at minimum: a list containing, in table form, the course, location, and time that the course takes place; and, elsewhere on the document, the timetable itself. Exports to other formats, such as EPUB, should also be considered.
- Mobile support. The User shall be able to access the service using a web browser on the User's smartphone.

3.0 Current System(s)

The University of Victoria's current system has the course registration and timetable displayed as separate systems. Both systems require students to navigate through multiple pages, searching separately for each subject. It lacks a preview feature, booklist feature, and first-party support for export to downloadable file formats.

4.0 Intended Users of the System

Current and future students of the University of Victoria who need to register for courses.

5.0 Known Interactions Within or Outside the Client Organization

The ideal solution shall be able to interface with the following systems:

- The University of Victoria's course registration system.
- The University of Victoria's academic calendar for course available times.
- The University of Victoria's My Page website.

6.0 Known Constraints to the Solution

The ideal solution shall consider the following constraints:

- Budget and unexpected costs
- Required completion date (2 weeks before Fall course registration in July 2022)
- Accessible design (consider applicants with disabilities, the service should be usable by all)

7.0 Project Schedule

Date	Task
September 13, 2021	Brainstorm meeting for project ideas
September 24, 2021	Complete the Request For Proposal
September 27, 2021	First Client Meeting
October 18, 2021	Review the analyst team's requirements document
October 21, 2021	Complete review of the requirements document
November 29, 2021	Project solution complete, class presentation

8.0 Project Team

Project team member's info and roles
Contact info

Software Administrator

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9.0 Glossary of Terms

Terms defined within this document begin with an uppercase letter to differentiate them from their common English meaning. Words not capitalized should be taken to have their usual English meaning.

- Service: The project being described in this document.
- User: Any person that makes use of the Service.
- CRN: Course Reference Number that is a unique number associated with each course.
- Preview: The list of courses the User has added to the timetable. The User may choose to enroll in any number of courses from the Preview, other constraints notwithstanding.
- Timetable: full view of a student's week of registered courses on one page