



**Rate my UofC Course**

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## Introduction

Students at the University Of Calgary often have questions about what courses they want to enroll in, for reasons such as how informative the course is, how fun the course may be, and many other reasons. The current problem is, the university doesn't really provide much information about courses other than a short generic description about what is taught in the course, which can be unhelpful for students as they choose what courses to take. Currently, students can get more information about courses from external third-party services such as Reddit to get information about courses, however the information is scattered and it can be untrustworthy. Students can also ask friends/classmates that may have taken the course previously, but the problem is that not everyone they may know has taken the course that the student wants to learn more about. Our solution to this problem is to create a web-based application that allows students to choose the courses they have taken, and to provide an informational review and rating about the course. This application aims to be an organized page where students can get accurate information about courses provided by the university with ease. This can be a helpful resource for students to learn and decide if they want to take a certain course or not; lots of different students would be able to provide information and share their experience with the course, which can help students decide whether they should take a course or not.

## User Requirements

### Primary User Group

**Students at the University of Calgary** - Students at the UofC that have completed a course and would like to rate and write a review of a course. Students can also search for a particular course and read through reviews and ratings of other students that have completed that course to help them decide whether to take the course or not.

### Secondary User Group

**Moderators** - These are users that are responsible for monitoring the posts/reviews made by students and have the ability and authority to remove posts or users from the website for reasons such as the comment does not help students gain any information about the course.

## Functional and implementation requirements

### Major tasks and functionalities

- Search for existing courses.

- Search for departments that provide courses
- Search ascending/descending ratings of courses
- Add/remove courses to the website.
- To submit/delete new ratings (from 1 to 5 stars) for specific courses.
- To submit/delete new comments/advice about a specific course.
- Give feedback/reply to existing comments.
- Change the details of existing courses.
- An option to login/sign out of the service.
- For moderators, the ability to delete/hide any comments that are not informative/inaccurate.

**Use case scenario:** After finishing a course, a student is feeling very upset at how the course went and wishes they would have known certain things about the course before enrolling, so this person wants to submit their rating and review the course. The student opens the website and searches for the course by the course number and selects the appropriate course. The user then submits a new rating with the following required information: professor, year & semester, a comment, and general rating.

## Proposed Technologies

- **HTML** - to build and structure the content of our website
- **CSS** - to design our website
- **Bootstrap** - for a more organized implementation of a responsive web design
- **JavaScript** - to allow for user interaction
- **Socket.io** - to create the server and client side for real-time postings of ratings and comments (i.e, no need for page refreshing to view new content).
- **Node.js** - necessary for implementing socket.io.
- **MongoDB** - to store and save user ratings and comments in disk, allowing for content modification anytime, and could also be used to store user credentials. This program is compatible with Node.js.