Winter 2023 - York University
EECS2311 Z - Prof. Hadi Hemmati
Iteration 0: Initial Planning

Group: 14
Julianna Silva - 216616591
Daoud Ali - 216410672
Hena Patel - 218109124
Haisam Arshad - 217498163

Course Explorer Application Vision Statement

The Course Explorer Application is a comprehensive desktop software that is designed to assist York University students in navigating their academic journey. The application is tailored to provide students with a user-friendly interface that makes it easy to access important information about their program, courses, and graduation requirements. Currently, York offers these services in multiple different websites that are hard to navigate and not intuitive. The Course Explorer app would combine all features in one space, facilitating the visualisation and navigation for the student. The main features of the application include a prerequisite checker, program pathways, degree checklist, and a schedule builder (optional).

The prerequisite checker is a vital feature of the Course Explorer Application. It allows students to check if they have fulfilled the prerequisites for the courses they plan to take. This feature eliminates the need for students to manually check their transcripts or consult with an advisor to confirm if they are eligible to take a course. The prerequisite checker also ensures that students are not wasting time and resources by enrolling in courses that they are not qualified to take.

The program pathways feature of the application is designed to help students plan their course schedule in a way that aligns with their academic goals. The feature suggests courses that students should take each term based on their course load of choice (full-time, part-time, or summer classes) and estimated date of graduation. This feature allows students to stay on track with their program requirements, and it also helps students to graduate on time.

The degree checklist feature is another important aspect of the Course Explorer Application. It shows the completed and remaining courses, along with projected course completion dates. This feature helps students to stay organised and to keep track of their progress. It also helps students to identify any courses they may have missed and to plan accordingly to complete their degree requirements.

The schedule builder (optional) is an additional feature that allows students to create a custom schedule that fits their needs. This feature allows students to choose the courses they want to take and to organise them in a way that works best for them. The schedule builder feature is designed to be user-friendly and intuitive, making it easy for students to create a schedule that meets their unique needs.

The Course Explorer Application is a powerful tool that provides York University students with the resources they need to navigate their academic journey. The application is designed to be user-friendly and intuitive, making it easy for students to access important information about their program, courses, and graduation requirements. The features of the application are designed to help students stay organised, on track, and to graduate on time. The application will be a significant improvement over the current systems in use, which provide a different interface to every type of function mentioned above, which are difficult to navigate.

Big User Stories

Iteration 1

View Programs / Degrees the faculty offers	
User should be able to navigate all available degrees / programs offered by the faculty	
Priority: Medium	Cost: 8 days

Faculty / course contact page (lookup feature)	
All faculty contact / information should be available for every course	
Priority: Medium	Cost: 7 days

Course Details Page	
All detail / information for a course should be on the course details page / view	
Priority: High	Cost: 4 days

User Profile Feature	
Users should be able to save profile configurations	
Priority: Medium	Cost: 8 days

Iteration 2

UI Refinement
Discuss any UI refinements with the client. Implement discussed changes.

Priority: Low	Cost: 5 days

Schedule Builder
If client wants to proceed with a visual schedule builder, implement the basic UI outline and functiionality.

Priority: Medium	Cost: 7 days

Schedule Builder Functionality
If client wants to proceed with a visual schedule builder, implement the basic functionality / logic.

Priority: Medium	Cost: 5 days

DB Setup
Setup a DB (mySQL) to store app info. Create appropriate tables according to app setup.

Priority: High	Cost: 4 days

Iteration 3

Degree / Program Pathway Feature Finalization
Review Degree / Program Pathway Feature implementation. Revise any changes with client.

Priority: High	Cost: 4 days

User Profile Feature	
Finalize saving / creation of user profile feature. Connect feature with DB.	
Priority: High	Cost: 4 days

Codebase Refactoring	
Navigate through codebase near end of feature implementation. Refactor where possible.	
Priority: Low	Cost: 2 days

Testing	
Through and systematic testing of the entire app and all features. This includes unit, integration, and acceptance tests. Fix bugs accordingly.	
Priority: High	Cost: 7 days

Detailed User Stories (Iteration 1)

Setup logic to save user / faculty data	
User / profile data should be able to be saved and accessed from the database. Faculty / course data should be able to be saved and accessed from the database. Note this is just the preliminary logic to save / create profiles. Setting up / saving to DB is not involved.	
Priority: High	Cost: 5 days

Setup page for the main page	
Main UI landing page needs to be setup. The different features/pages should be accessible from here. User should be able to be selected from here.	
Priority: High	Cost: 5 days

Setup page for course details page	
UI template of a course's details page. Should include course title, description, prerequisites and any other relevant information.	
Priority: High	Cost: 3 days

Setup page for course / page	
UI template of a course's details page. Should include course title, description, prerequisites and any other relevant information.	
Priority: High	Cost: 3 days

UI Navigation Refinement	
Make pages navigatable so that user can navigate through different components of app.	
Priority: Low	Cost: 3 days

Summary Meeting Video Recording

https://drive.google.com/file/d/1u9X5VMKyPniuJ1vkBCnPCJmMcofCejjk/view?usp=sharing

Please note that the client was unable to do the summary meeting before the iteration 0 deadline. Earlier, near the start of the course, we had informed the client that we would like to meet on Sunday (2 days past the deadline) thinking the submission would be on the Sunday. Client was unable to meet with a short-notice before the deadline and we apologize for the mishap.