

**Cloud Computing and Implement
Semester Long Activity Check in #1**

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Proposal Contextualization

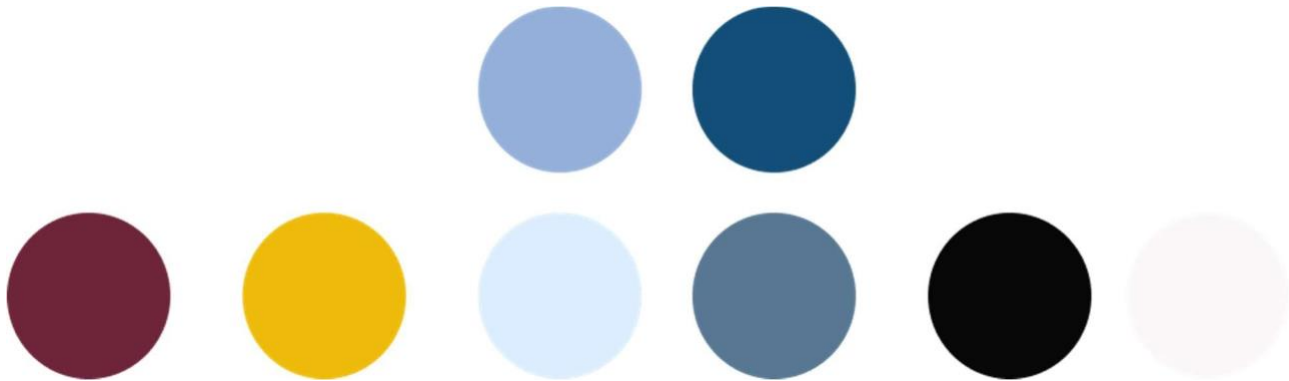
The Cambrian Course Selection WebApp must be able to Create, Read, Update, and Delete data, and the main goal is to allow students to select their courses for the current semester.

Additionally, the course items should have a course code, name, description, and professor. The app should show the user a list of their selected courses to remove courses they no longer want. The user can also change their preferred name, email address, and program of study.

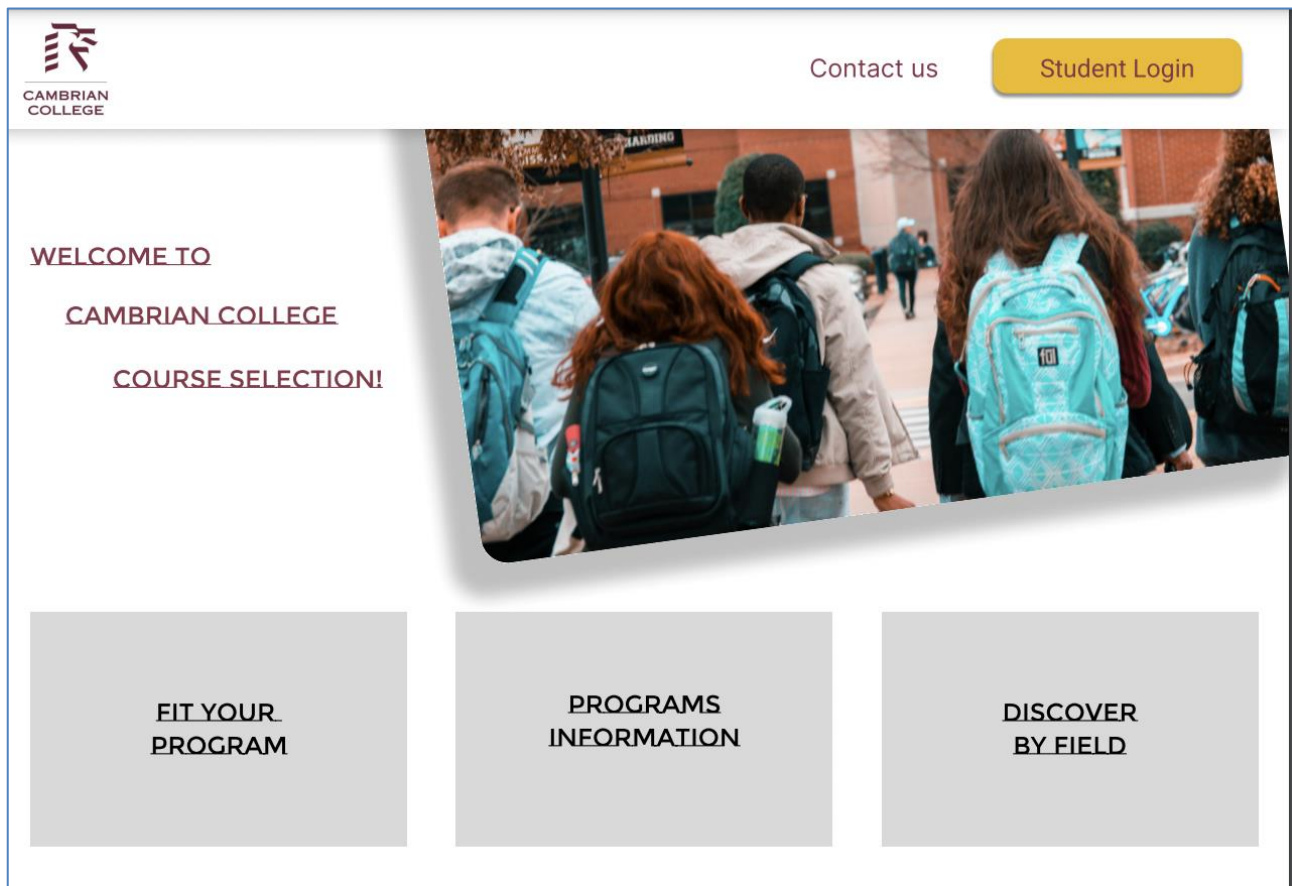
In order to make available the cross-referencing of various information from the study programs of Cambrian College, a database will be developed using various data available on different web pages of the College. From this database, an API will be developed, which will be hosted on the Azure platform.


For new students, will be available a quiz to help people to choose their programs and see on a single page all program's information (details, numbers of semesters, fees, admission requirements and program of study).

Color Pallet:



Layouts Example



CAMBRIAN COLLEGE

Contact us

Student Login

Program Name

Field of Study

X Semesters

Apply Now


Details

Delivery

Admissions


Program of Study

Fees

CAMBRIAN COLLEGE


Contact us

Logout

HELLO
STUDENT NAME!

Other Programs


Timetable



Course Name

Professor Name


>



Course Name

Professor Name

>



Course Name

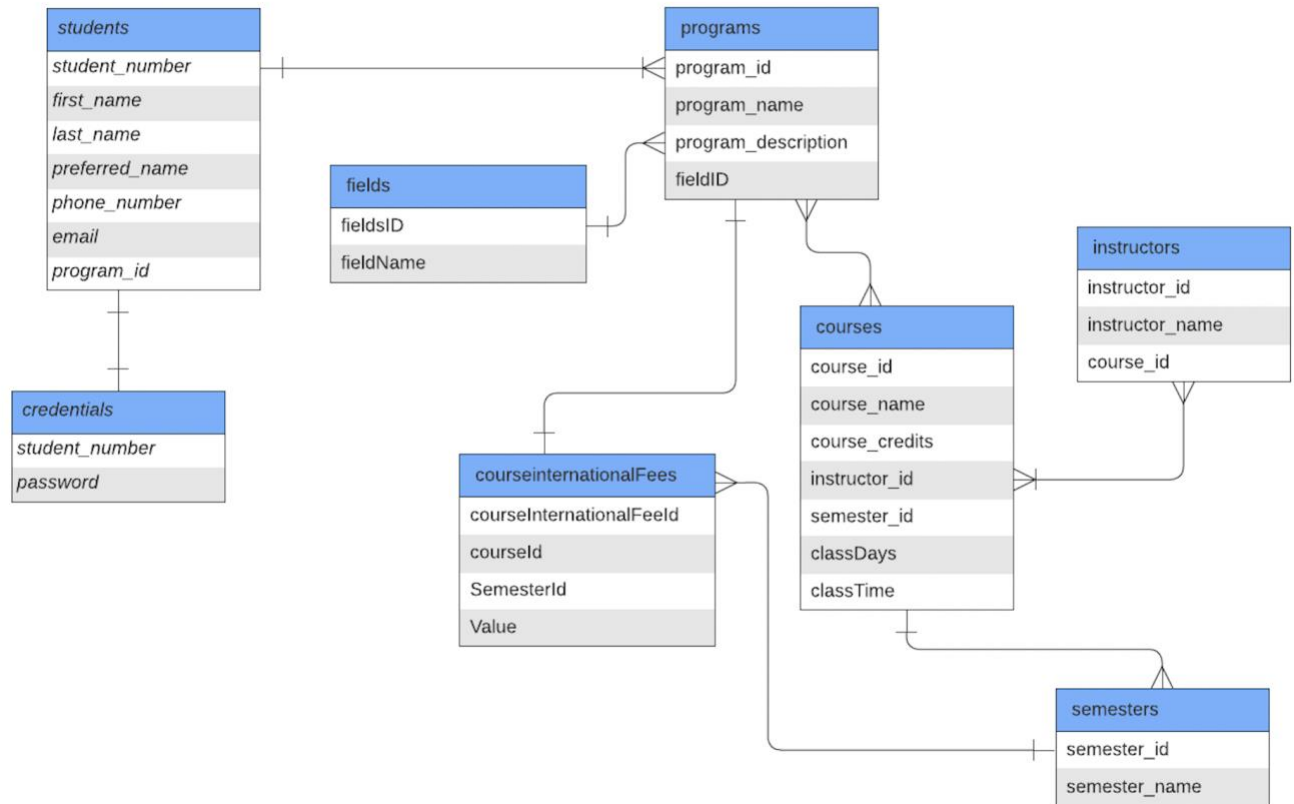
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Requirements

Functional Requirements:

- Check Login Credentials
- Automatically show Quiz Result
- Automatically generate timetable
- Update preferred name
- Update e-mail
- Update Phone Number
- Add New Course
- Drop Course
- Search Course
- View Course Details
- View Contact Information

Database Design



<https://docs.google.com/spreadsheets/d/11YNNCV1inysPVS5I5lrCdnvvR4rh6mLk7uxGyUHvCAo/edit#gid=1708096186>

Timeline

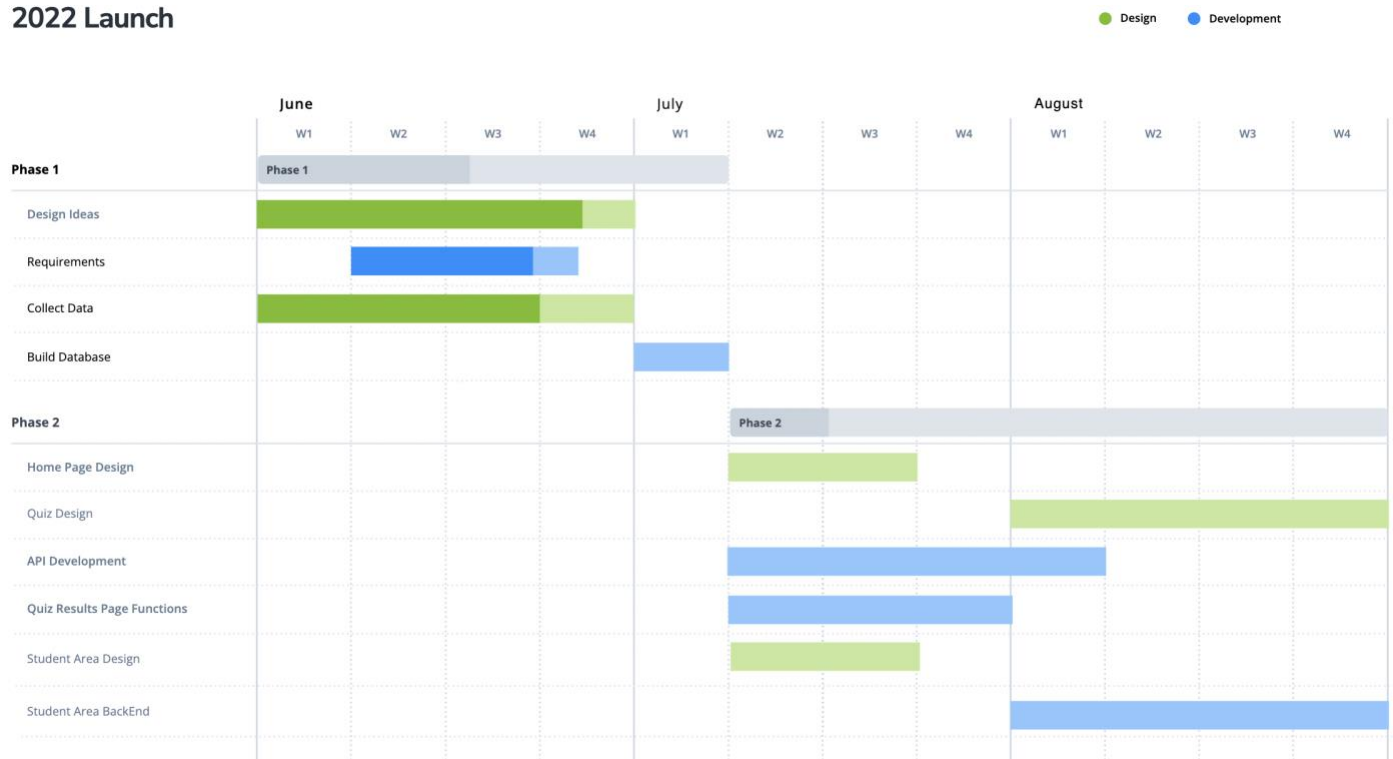
Currently, I am working on the layouts and developing the database.

To the database, I imported the information of Field of Study, Programs, Tuition and Courses from the Cambrian College website, using the Google Sheets IMPORT formula. There are two ways to go through the database consumption:

1 – I can discover how the application can be integrated with the Google Sheets – using Google APIs (maybe) – which will provide automatic updates to my database; however any websites updates can cause a crash on my app.

2 – I can create a static database with the information of the data that it was collected and work with local database.

2022 Launch



Knowledges Applied/To apply

Since January, when the program Mobile Application Development starts, I am getting through the biggest challenge in my life. Is everything new to me, it is extremely hard, although I am extremely happy when I see my firsts applications running.

I learnt more than how to find the information, as reading the documentation, or searching on the stack overflow – that are the most helpful resources, I also learnt I can enter in a pretty new field to me. There are many hours of dedication and there is infinite more!

I haven't started the code development, as I am trying to understand everything yet and how to begin. Currently, I preferred to work hard with the requirements and after meeting with Professor Maitland and his advice, I will reduce the scope to make sure to do a good and functional Web Application, that doesn't need to be big.

“Genius is one percent inspiration and 99 percent perspiration,”
said Thomas Edison.