Group AE – Unit Review Website Proposal

About/Purpose

Our group has planned to create a unit review website. This website will have similar functionality to Macquarie University's unit guide (e.g., learning outcomes, description, assessment breakdowns). However, our website will allow users to rate and comment on units. This allows future students of a particular unit to see previous student's opinions on that unit over time, rather than relying mainly on the words of any previous students they can find. The target audience would obviously be students as well as upcoming students.

Data sources

We will likely be using the Macquarie University course handbook as well as unit guides.
Course Handbook - https://coursehandbook.mq.edu.au/
Unit Guides - https://unitguides.mq.edu.au/

MVP

The MVP consists of three main pages:

1. Home Page: A list of units (displayed as a table or card format).

2. Unit Page: Has the details of a single unit (e.g., description, learning outcomes, assessments) as well as a comments section where students can comment and/or rate (star review) a unit. Note that posting a review is only available if a student has an account and are signed in.

3. Login/Sign up page – Allows students to login/create an account.

Project Plan

The plan for each sprint is as follows:

1. Week 9 - Set up the project, create the MongoDB database, schemas, permissions, API routes and start on each frontend page

2. Week 10 - Implement security measures (e.g., hashing, tokens) and implement Material UI/CSS styling, display backend data (i.e., unit information, comments) on respective web pages and post comments to backend

3. Week 11 - Deploy the app, test the backend and frontend

4. Week 12 - Fix any bugs, minor changes to the app (e.g., posting new units if Macquarie admin logged in)

Member Roles

While we have four sprints where the work each member does can vary, the main roles we will take up are as follows:

- Cathy (45967288) - Frontend Design and Testing
- Jordan (45391351) - Security Lead and Backend Functionality
- Josh (45879060) - Frontend and UX/UI Lead
- Liam (45426392) - Frontend Design and Backend Functionality