



School of Computing

CA400 Year 4 Project Blog

28th Sept 2023 10:30am: Meeting with Jennifer Foster

Topic: Discuss Project Idea

Discovery: A much more simplistic version of our idea had previously been attempted by Enterprise Computing students in the previous years.

5th Oct 2023 11am: Meeting with those in charge of the printing of the expo booklets.

Topic: Discuss the main difficulties that people have with the expo.

Discovery: Main complaint that they receive every year is that there is a big difficulty in understanding the map

as it may not be clear enough or it is just difficult to understand.

10th Oct 2023 12:30am: Meeting with our supervisor
Darragh O'Brien

Topic: To have a mock approval before our proposal on the 12th Oct.

Discovery:

12th Oct 2023 3pm: Project Approval with
Michael Scriney and David Sinclair

Topic: To present project idea

Discovery: Main focus of the project should be based around the map and the recommender system.

18th Oct 2023 11am: Meeting with our supervisor Darragh O'Brien

Topic: To re-evaluate project idea and discuss ways to overcome map problem

Discovery: Redirecting our focus to be aimed more toward the recommendation system would be a better use of our time while also focusing on a different approach toward our map problem.

19th Oct 2023 11:52pm: Project fully deployed on vercel

Topic: Project deployment

Discovery: Vercel provides the benefits of a web application without needing a web application

Completed by Genesis

12th Nov 2023 10pm: Functional Specification completed

Topic: Func Spec

Discovery: Yet to be discovered currently waiting on feedback from supervisor

Completed by Genesis & Gideon

15th Nov 2023 11:30am: Meeting with supervisor

Topic: Func spec

Discovery: Revision of how to tackle our map problem, potential usage of SVG's, also minor issues such as overall presentation of the document.

16th Nov 2023 10am: Minor func spec issues

Topic: Func spec

Discovery: Personal pronouns removed from the document in bid to add more professionalism, presentation issues adjusted.

Completed by Gideon.

17th Nov 2023 2:23pm: Minor func spec issues

Topic: Func spec

Discovery: More diagrams needed to be added and the previous ones needed to be refined.

Completed by Genesis

3rd Jan 2024 5:37pm

Topic: Database

Discovery: Have to manually add the databases to mongodb as there was no way to link vscode to the database. Process of transferring the databases on mongodb was completed by Gideon.

4th Jan 2024 7:58pm

Topic: Database

Discovery: Mongodb deployed to the expo+ application through vercel completed by Genesis.

16th Jan 2024 6:15pm

Topic: Ethics form completed

Discovery: Meeting with supervisor needs to be set up to get feedback on projects

16th Jan 2024 6:15pm

Topic: Technical specification

Discovery: Tech spec is not the main priority at this moment as it cannot be completed until the project is more or less finished

22nd Jan 2024 2:30pm

Topic: Meeting with Supervisor

Discovery: Ethics form needs to be revisited and update on map functionality and user testing

1st Feb 2024 12pm

Topic: Map Functionality

Discovery: Linking of topics to map location has been completed as well as the highlight function whenever a map is selected

6th Feb 2024 2:38pm

Topic: Pages

Discovery: Creation of the pages to be linked as well as basic information displayed as a placeholder has been listed

10th Feb 2024 6:15pm

Topic: Pages

Discovery: Home and index page styling has been completed.

13th Feb 2024 11am:

Topic: Pages

Discovery: Login, maps and register page have been updated not fully completed yet as some issues with styling and loading data may need to be fixed. A feedback page will also need to be added to give users a platform to express their thoughts on the project.

23rd Feb 2024 8:00pm

Topic: Search

Discovery: Search Functionality completed, users can now search for specific topics

26rd Feb 2024 5:40pm

Topic: Tech Spec

Discovery: Main bulk of the technical spec has been completed with testing and diagrams to be added

2nd Mar 2024 3:00pm

Topic: Tech Spec

Discovery: Future approach section of the tech spec completed with some pipeline issues being fixed

6nd Mar 2024 5:00pm

Topic: About

Discovery: About page containing information about the project and the decision to go with the initial idea started

8nd Mar 2024 9:00pm

Topic: About

Discovery: Details and styling regarding the initial page completed and styling issues completed

11th Mar 2024 5:00pm

Topic: Questionnaire

Discovery: Details for new users to fill in to do application upon first creating their account in order to get an accurate estimation of what projects they may take interest in created and implemented into the code with the data being stored within the backend.

13th Mar 2024 6:00pm

Topic: General design

Discovery: Worked on the design section of the documentation while also began researching the best way to sort out the issue with a recommender system and how to tackle the cold start approach.

17th Mar 2024 8:40pm

Topic: Recommender System

Discovery: Decided to use data for a movie set in a bid to train the data to be used for the initial recommender system due to the lack of available data for us to train

20th Mar 2024 5:00pm

Topic: Ethics

Discovery: Ethics approved by two board members

22nd Mar 2024 10:00am

Topic: Recommender System

Discovery: Incorporated machine learning aspects to aid in relevant results for the recommender.

25th Mar 2024 10:00am

Topic: Recommender System

Discovery: Improved search results compared to previous attempts

26th Mar 2024 4:00pm

Topic: Feedback Form

Discovery: Feedback form and rating system completed with styling and a way of contact between the users and the creators of the project has been established

28th Mar 2024 11:00am

Topic: Map

Discovery: We made it so that you were able to visit the map directly from the recommendation of the project you want to view

4th April 2024 3:00pm

Topic: Meeting with our supervisor Darragh O'Brien

Discovery: Testing needs to be the main priority as there is a substantial amount of marks going for it.

6th April 2024 4:00pm

Topic: Overview

Discovery: Basic overview to fix minor issues with functionality regarding the map and spell checking everything to make it look more professional

8th April 2024 11:00pm

Topic: Testing

Discovery: User testing feedback participant form made for the general public to give review on the application

11th April 2024 1:30am

Topic: Testing

Discovery: System testing completed as well as the ci/cd testing. Pipelines made stable and minor bug fixes have been resolved

12th April 2024 4:00am

Topic: Testing

Discovery: Problems and solutions section has been completed inside the tech spec with feedback implementation also being completed as well

14th April 2024 2:00pm

Topic: Implementation

Discovery: Implementation of virtual map, recommender system and collaborative filtering component has been completed with diagrams explaining the flow of the application yet to be attended to

16th April 2024 1:00pm

Topic: Diagrams

Discovery: Component diagram of project completed alongside initial design description segment

17th April 2024 4:00pm

Topic: Diagram

Discovery: Data Flow Diagram fully completed with minor changes made to context diagram

18th April 2024 6:00pm

Topic: Diagram

Discovery: Use Case diagram completed

19th April 2024 7:30pm

Topic: User Manual

Discovery: Manual explaining how to navigate through the application from start to finish has been completed

21st April 2024 10:00am

Topic: Overview of Full project

Discovery: Full run through of project and recording completed before final submission