

Project Diary

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30/09/2020 3:30 – 4:00PM – Meeting with supervisor

- Discussed main platform for project.
- Discussed main ideas on collecting user data.
- Discussed main features of the platform.
- Discussed objectives required moving forward.

30/09/2020

- Development cycle 1 started.

05/10/2020

- Background research started.
- Model-View-Presenter architecture chosen to structure the code.
- Comparisons were made with MVC.

02/10/2020

- Conducted background research on similar ‘Smart City’ applications both web and mobile based.
- Created first draft of Project Definition Form

06/10/2020. 3:00 – 3:30PM - Meeting with supervisor

- Discussion of Project Definition Form and feedback received.

09/10/2020

- Continued establishing possible requirements and more formal research.

16/10/2020

- Project definition form and poster submitted.

20/10/2020 3:30 - 4:00pm - Meeting with supervisor

- Discussed ethics form.
- Use Case diagram submitted for feedback.
- Discussed the requirements to produce SMART objectives.

25/10/2020

- Mapped out requirements into functional and non-functional.

27/10/2020 3:30 - 4:00pm - Meeting with supervisor

- Feedback of SMART objectives, functional and non-functional requirements.

29/10/2020

- Development cycle 1 ended.

30/10/2020

- Started work on term 1 report
- Development cycle 2 started

03/11/2020 3:30 - 4:00pm - Meeting with supervisor

- Demonstration of application in its initial state.

20/11/2020

- First draft of term 1 report produced

28/11/2020

- Development cycle 2 ended.

02/12/2020

- Development cycle 3 started.

08/12/2020 2:30pm – 3:00pm - Meeting with supervisor

- Feedback on project progress so far.
- Feedback on term 1 report.
- Outlining the remaining project structure to supervisor.

11/12/2020

- Submitted Term 1 report.

31/12/2020

- Development cycle 3 ended.

01/01/2021

- Development cycle 4 started.

21/01/2021

- Decision made to move from the Mapbox API to Google Maps API, due to Mapbox's limited functionality.

30/01/2021

- Development cycle 4 ended.

01/02/2021

- Development cycle 5 started.

25/02/2021

- Decision made to include Scenario testing to evaluate the application on a physical device using end-to-end scenarios.

26/02/2021 4:30pm – 5:00pm - Meeting with supervisor

- Demo of current state of the code.
- Feedback on features implemented from development cycles 1, 2, 3, and 4.
- Discussion on how the Model-View-Presenter architecture is being implemented.
- Discussion on various hosting providers.

02/03/2021

- Development cycle 5 ended.

03/03/2021 3:30pm – 4:30pm - Meeting with supervisor

- Discussion on what is necessary to deploy the system into the live environment.
- Discussion on how the system will be deployed into the live environment.
- Opinions received from supervisor on the web hosting service Ionos.

09/03/2021 3:30pm – 4:00pm - Meeting with supervisor

- Demo of the application deployed into the live environment.
- Review of the usability test plan.
- Discussion on how the testing will take place.
- Relayed information regarding utilising emulators for the usability test.

25/03/2021

- Usability testing conducted with all five participants.

28/03/2021

- Usability testing results formulated into document.

30/03/2021 2:00pm – 3:00pm - Meeting with supervisor

- Review committed on the data gathered from the usability test.
- Discussion on how the usability data will be utilised in the project report.
- Discussion on what code changes are necessary for the final development cycle.
- Discussion on what is necessary to be included in the project report.

02/04/2021

- Development cycle 6 started.

03/04/2021

- Work started on the final report.

14/04/2021 2:00pm – 2:30pm - Meeting with supervisor

- Feedback provided from supervisor on the initial draft of the report.

18/04/2021

- Development cycle 6 ended.

14/07/2021 2:00pm – 2:30pm - Meeting with supervisor

- Discussion on including aspects such as user interface designs in the appendix.
- Discussion on how to provide testing results.

15/07/2021

- Provided final draft of report.

02/08/2021 2:00pm – 2:30pm - Meeting with supervisor

- Discussion on formatting of the final report.
- Feedback on final report.