University of Reading

Department of Computer Science

Final Year Project Logbook

Joseph Mckeown

ry009216@student.reading.ac.uk

Tutor – Xia Hong

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Autumn Term

Week 1 - 21st September 2020

Tasks done

- Set up git repositories on both git hub and lab
- Set up local environments for development

To do list

- Start filling in PID
- Prepare for tutor meeting
- Begin research into recommender systems

Week 2 - 28th September

Tasks done

- Conducted research into feature which could be added to the app
- Deciding on what platform to use
- Attended Tutor meeting
- Created timeline for work in PID

To do list

- Look into any legal social or legal issues for the PID
- Get the Tutor to look over the PID before submission
- Look into Weather API services

Week 3 - 5th October 2020

Tasks done

- Completed and filled in the PID form
- Submitted the PID
- Started writing Research notes.

To do list

- Go into greater depth about recommender systems.
- Experiment with planning neural network structures

Week 4 – 12th October 2020

Tasks done

- Found and recorded multiple API services and prices.

To do list

- Start looking into Neural networks.

- Revise some java .

- Look into Kotlin.

Week 5 – 19th October 2020

Tasks done

- Wrote some of the finding about Recommender system from info learned from Ricci.

- Decided to use java for the application.

To do list

- Continue research into the relevant areas for feature(Recommender Systems, Neural nets, Android, API)

Week 6 -26th October 2020

Tasks done

- Looked into the API's which I could use a decided that this would be more of an aspirational feature which I might add if I have enough time to implement.

To do list

- Try multiple method of using the IDE by either emulating a phone or by connecting my phone.

- Create a presentation to show during the tutor meeting.

Week 7 – 2nd November 2020

Tasks done

- Completed initial phase of research for the project covering Recommenders and other features to include.

- Created the slide for the tutor meeting an presented it.

To do list

- Get Eclipse fully work for my home setup.

Week 8 – 9th November 2020

Tasks done

- Got eclipse working and start a test file to experiment with ideas.

To do list

- Test the IDE to ensure it's all set up with my working at home setup.

Week 9 – 16th November

Tasks done

- IDE is up and running at home

To do list

- Taking a break from development to focus on coursework.

- Pick back up where I left off once course work has been completed.

Week 12 – 7th December

Tasks done

- Got the test application running and properly emulating onto my smart device

To do list

- Take the Christmas break off.

- Set myself up for continuing work after the Christmas break.

Winter Term

Week 1 - 11th January 2021

Tasks done

- Transferred to use mostly Git Hub.

- Started coding a basic neural net.

- Testing how to code outfit and clothes classification

To do list

- Fill in the feedback form and submit it.

- Continue to build the prototype network.

- Test the network when the network is completed.

- Figure out a way to test the network.

Week 2 – 18th January 2021

Tasks done

- Completed and sent in the feedback from.

- Created testing criteria being the personal profile system.

- Got the first prototype up and running.

To do list

- Fill in the feedback form and submit it.

- Implement the test idea.

- Record and display the result.

Week 3 – 25th January 2021

Tasks done

- Tested the algorithm.

- Recorded the results and produced tables and graphs form the results.

- Tested the algorithm with a myriad of settings.

- Got prototype for taking pictures working in android studio.

To do list

- Expand the network to become more complicated than a linear network.

- Plan how to make the project poster.

- Start creating the prototype for the UI of the Application.

Week 4 – 1st February 2021

Tasks done

- Added extra nodes to the Neural network.

- Started some work on the project poster.

To do list

- Continue working on the project poster.

- Work more on the UI of the application.

- Start implementing the Neural network into the application.

Week 5 – 8th February 2021
Tasks done

- Added Neural network into the application.

To do list

- Adapt the neural network so it runs better for the application.

- Finish the project poser and organise a time to demo to my tutor.

Week 6 - 15 February 2021
Tasks done

- Presented the project poster.

To do list

- Fix some of the implementation of neural net.

- Record and submit the poster video submission.

Week 7 - 22th February 2021
Tasks done

- Recorded and finish the poster video.

- Fixed some the issues with the neural network.

- Cleaned up a lot of the code making it more readable.

To do list

- Implement the other activities.

- Find ways to send information between screens.

- Expand the network within the app.

Week 8 – 1st March 2021
Tasks done

- Created item adding screen.

- Defined the clothes object within the application.

To do list

- Complete the edit activity.

- Expand the definition of the clothes objects.

- Take a break from development to focus on coursework.

Week 13 – 5th April
Tasks done

- Finished the edit screen.

- Added picture to the clothes objects.

To do list

- Test the functionality of the edit screen.

- Implement the profile testing for the application.

Week 14 – 12th April
Tasks done

- Got the core system of the application functional.

- Expanded the network to include hidden layers

- Streamlined the network and encapsulated it to improve readability.

To do list
- Thoroughly test the network.

- Create the presentation slides.

- Create a demonstration of the application.

- Continue working on the report.

- Recorded the presentation.

Week 15 – 19th April

Tasks done

- Submitted the presentation and demonstration.

- Progressed significantly in the report.

- Finished the last entry into the logbook.

- Tested the network and obtain the relevant results to present.

To do list

- Finalize the report for submission.

Autumn Gant

	Week1	Week2	Week3	Week4	Week5	Week6	Week7	Week8	Week9	Week10	Week11	Week12
Research		■	■	■	■	■	■					
PiD	■	■	■									
Research Writing				■	■	■						
Program setup								■	■			■
Coursework									■	■	■	

Winter Gant

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week10	Week11	Week12	Week13	Week14	Week15
Development	■	■	■	■	■	■	■	■					■	■	
Feedback Form		■													
Project poster							■						■	■	
Presentation					■	■	■								
Testing			■				■						■	■	
Report writing													■	■	■
Coursework								■	■	■	■	■	■		