AGA Logbook

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# Abstract

This logbook serves as a record of all activities undertaken during each week for my project, AGA. It encompasses tasks related to both documentation and implementation, as well as the overall process and project planning.

You can find more detailed updates and resources in the following links:

* **Documentation** details can be found [here](https://github.com/vedez/aga_documentation): https://github.com/vedez/aga\_documentation
* **Implementation and development** work can be accessed [here](https://github.com/vedez/AGA): https://github.com/vedez/AGA
* **Project planning and task management** can be tracked [here](https://github.com/users/vedez/projects/2/views/4): <https://github.com/users/vedez/projects/2/views/4>

***Note:*** *The logbook starts documenting from Week 03, official marking begins from Week 04.*

# Semester 1

## Week 03: Project Ideas & Project Set Up (Github)

For Week 03, I conducted research on the project concept, explored similar project ideas, and identified the necessary tools and technologies. I reviewed relevant references and websites that align with the project's objectives, including resources and platforms related to the project scope.

Additionally, I visited the staff website to assess which lecturer would best suit my project based on their expertise and guidance. I also explored final year project (FYP) ideas to gain insights for my own project direction and reviewed the Rubrics requirements to understand what is expected in terms of project deliverables and evaluation criteria.

Lastly, I set up GitHub repositories for version control and collaboration, with links to these repositories and the project planning available above, in the Abstract section.

## Week 04: Project Management

For Week 04, I made significant progress in organising the project and setting up its structure. First, I created a project plan, outlining the key milestones and breaking them down into smaller, manageable tasks.

I drafted a rough work overview, which can be accessed on GitHub along with the detailed project planning information at <https://github.com/vedez/aga_documentation/tree/main/Project%20Planning/project-planning_rough-draft> or *aga\_documentation*.

Additionally, I set up the project's roadmap to provide a clear direction and timeline for the overall development. I organised the tasks by applying appropriate labels, categorising them based on priority, and ensuring that each task is assigned to the correct iteration to keep the project on track.

On GitHub, I outlined the plan, defined tasks, and set up the labels required to manage the workflow effectively. The roadmap and planning elements will help in monitoring the project's progress and adjusting where necessary as new issues or challenges come.

Lastly, I submitted both the proposal and supervisor form for approval.

## Week 05

Spent time researching ADHD in depth, going through various articles to understand what the disorder involves, the different types, and the general challenges people with ADHD face. I looked at the three main types—Inattentive, Hyperactive-Impulsive, and Combined—and noted down the key points and common issues in areas like focus, organisation, emotions, and social life. I also listed the important details and general challenges to narrow down the core problems people with ADHD deal with day-to-day. Reviewed current solutions too, like medication, therapy, lifestyle changes, and tools like reminder apps.

More here at <https://github.com/vedez/aga_documentation/tree/main/Project%20Planning/research_rough-draft>.

## Week 06

Met with my supervisor to introduce the project and discuss expectations. In the meeting, we went over what’s needed from both sides, and I received feedback on what to prepare for in the coming months and by the end of the year.

Additionally, I updated my GitHub repository and adjusted the project milestones timeline due to personal reasons, cutting down some time to stay on track with project plan. I also conducted some initial research on development tools and technologies needed for the project. You can find the rough details in <https://github.com/vedez/aga_documentation/tree/main/Project%20Planning/research_rough-draft>.

## Week 07

Started working on the Interim Report, editing it to match my style and filling in the necessary information. Began developing the content, specifically adding a section on project management. In this section, I detailed the project plan, including the milestone roadmap, development methodology, and task distribution methods. I also outlined strategies for supervisor and team engagement, along with risk management practices to keep the project on track.

## Week 08

Sent in the sign-off proposal to my supervisor and uploaded it to Brightspace. Completed the project management section of my Interim Report and began feasibility research for the project. I also caught up on my logbooks, updated them, and submitted these to Brightspace.

Additionally, I worked on the Literature Review for my Interim Report, covering an introduction to the chapter, an analysis of alternative existing solutions, research into relevant technologies such as programming languages and operating systems, domain-specific studies, a review of similar final-year projects, and a conclusion summarising the findings.

## Week 09

I set up a meeting with my supervisor to gather feedback on the Interim Report, discuss my progress, and determine what I can demo and present during the interim interview. This week, I began working on the design phase for the project. This includes creating a system architecture, diagrams, GUI and sitemap layouts, and other essential design elements. I plan to complete the design and begin implementation in Week 10, ensuring all aspects align with the project’s goals and methodology.

## Week 10

This week, I made limited progress on my project due to focusing on other module projects and assessments. However, I did manage to do some brainstorming for my PowerPoint presentation, identifying key components to complete for demo purposes. This involved reviewing my project's requirements and objectives, and thinking about how to effectively communicate my ideas to the audience. I also listed report requirements and created brief bullet points on what to discuss during the presentation, including an introduction to my project, its aim and objectives, and the technical details of its components.

## Week 11

I made significant progress on my project this week. I implemented the key components I reviewed in Week 10, with a major focus on developing the focus mode for the physical components. This involved designing and testing the alert and break system, which is a critical feature of my project. I also worked on creating a user-friendly interface for the focus mode, and developed the core logic that drives its functionality. Additionally, I completed my Interim report, expanding on the research and brief points from Week 10. This involved organising my thoughts and ideas into a clear and concise document, and ensuring that I had met all the necessary requirements. I also created a PowerPoint presentation for my project, covering the introduction, aim, description, mission, benefits, technical overview, and next semester's project plan.

## Week 12

I took a scheduled break this week to focus on other modules and upcoming exams. As a result, I made no progress on my project. This break was necessary to ensure that I didn't fall behind in my other coursework, and to give myself time to recharge before the next phase of my project. I plan to resume work on Week 01 of college, refreshed and ready to tackle the next challenges of my project.

# Semester 2

## Week 02:

This week, I reviewed what I have left on my project to do and reflected the weight of the project to be realistic and reasonable against the timeframe I have left to complete hte project in time. I also had superviser meeting as follow up feedback on my Interim Presentation. So far, I am doing great, and I need to push 10% more to meet Honours Standard for my project. I also need to digitalise any rough sketches I have on my report for better readability.

## Week 03:

## Week 04:

## Week 05

## Week 06

## Week 07

## Week 08

## Week 09

## Week 10

## Week 11

## Week 12