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| Otago Polytechnic |
| Hot Water Boiler Switch Thingy (HWBST) |
| Endorsed by Flatmates |

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| Rohan Anakin  6-18-2025 |

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# Introduction and Explanation of Project.

*Write about half a page.*

*Explain how you came to design and build your project. What is the original inspiration for this project? Why does this topic matter to you. This section can be finished last if necessary*

# User Stories.

*Write about half a page.*

*Write as many user stories as you can to support your project. It would be ok to have user stories that don’t get implemented (But maybe explain why).*

*Once you’ve done that, define some use cases or functionality that will support the user stories you have chosen to implement.*

*The correct format is:*

*As a [type of user] I want to [describe need] so that I can [reason]*

*As a gamer I want a way to easily play any game I own because I can never find the original media*

*As a gardener I want to apply just the right amount of water so I don’t kill my plants*

*Remember user stories don’t provide technical solutions!*

*This answers the basic question of “who” is a user of your project.*

My Project

# Basic Research.

*Write about a page.*

*You should preface all work with some form of simple research. The goal of this is to be able to make informed decisions and justify choices that you have made for your project.*

*This can be checking for sensors or devices from a range of suppliers based on features, simple comparison of software, etc. You can also discuss some of the wider issues that might exist in the problem domain, what is in scope and out of scope (and why you think so).*

*The point of this is to answer the question of “why”. Why did you choose these components, why you did your project this way and not another, why your project is a good solution to the problem, etc…*

# Hardware Used.

***Write more than one page****. Include relevant pictures with explanation.*

*List and justify your hardware choices here. Explain how these fulfil the requirements of your project, how they will implement use-cases based on your user stories.*

*Explain to me how your project is put together. Use lots of clear relevant pictures, making sure they have an explanation about what they are showing.*

*Use this section to provide one or more clear diagrams of the layout of your components in your project.*

*List the technical requirements your project has implemented (See assessment instructions)*

***I should be able to use this section to follow along and build your project from scratch.***

*This answers the basic questions of “what” and “how”*

# Insights and Discoveries.

*Write about half a page.*

*Finally, some reflection and self-analysis. Appraise your work, tell me about any insights you have gained from this, what you would do differently, what you particularly liked about your solution, etc.*