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| UFCFFF-30-3 Software Development Project – Initial Proposal | |
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| Student Number: | 17033796 |
| Project Title: | “MembaShip” |

# Description

**Project idea?**

An app that stores all your membership card details (barcodes that you scan on entry) within it to save the user having to carry every card they use on their person and eliminating the potential struggle of rummaging through their wallet or purse to find the card they need.

I’m going to keep the scope of the project focused on just the climbing centres I use in Bristol to make the project easier to handle, also I can use my friends who I go climbing with as examples of users to test and question about my app.

**What are the deliverables?**

Final report – Having completed each chapter to the highest standard that describes the process from the project proposal to the project’s completion with a detailed conclusion and reflection.

App – The app having the functionality to store membership card barcode and for the barcode to be read from a barcode scanner as the card normally would.

**What are the risks?**

The organisations issuing the membership cards taking issue with the app therefore not being happy with the card details being used within a third-party setup.

Another program/app existing that works either similarly or completely like my proposed idea would.

# Background and Research

**Why this project?**

Having to use membership cards myself, this idea would be a great help in saving space in my wallet and make it easier to get to the cards details as I can access my phone easily with one hand.

**Initial and planned research?**

Ill need to check for any existing programs/app.

Ill need to research the best techniques needed for app development.

Ill need to get in contact with the organisations I plan to use for this app to check if they are happy for me to use their cards.

# Methods, techniques, tools and processes

**Methods:**

Ill be using a sprint approach as after I get my research and any other paperwork out of the way I will work on the code for the app in bursts (sprints).

**Tools:**

At this stage I plan to primarily use JavaScript as I was told it would be the best option, although research could change this.

# Sources and references

**Books:**

“Learning PHP, MySQL &JavaScript: With jQuery, CSS & HTML”, Robin Nixon, 5th edition