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| **Identified Technical Skills** | **Description** | **Why this skill is necessary** | **How we can learn/improve this skill set** |
| LaTeX | LaTeX is a system used for document preparation on medium to large documents. | The input of physics questions fed into the project interface are of a .tex format (Latex file). A sound understanding of the compilation and storage of these files will be necessary to successfully use them. |  |
| Html | Html is used for creating web pages and applications. | We will need to know this language to make the online interface. |  |
| Javascript | Javascript is an object-oriented language used to make web pages more interactive and allows more complex functions on the client side of an interface. | This will be used for client-side scripting. Including necessary pre-processing functions and making a more dynamic interface. | * Online research * Listening to our Mentor * Learn from peers at University |
| MYSQL | MYSQL is a database management system. | We need to now this language to create a secure place to store and access the physics questions. The more we know about the language, the better we can design the databases to improve efficiency. |  |
| CSS | CSS is used to alter the presentation of web pages. | The front end of the project might require a certain aesthetic that would be very difficult to achieve without CSS. In this case it would require an interface like the standard UWA webpage. |  |
| Node.js | Node.js is an open source server environment that is run on Javascript. |  |  |

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| **Identified Non-Technical Skills** | **Why this Skill is necessary** | **How we can learn/improve this skill set** |
| Communication | With a large project comes a significant workload. Clear communication allows effective delegation of tasks and progress reports of those tasks. It also allows disagreements and disputes to be dealt with faster. | * Slack * Github * Google Drive * Facebook Messenger |
| Flexibility/Adaptability | Although a general understanding of how to complete the project may be reached, there is always a chance that circumstances may change. Being able to adapt will be necessary in a situation like this will be crucial to the completion of the project. | * Accept multiple perspectives * Listen * Get feedback |
| Time Management/Organisation | Time management will be a large consideration during the entire project. Using time effectively and being able to correctly allocate time based on the importance of the task will be key. It will help prevent the same work being done several times and work not being done at all. | * Have a schedule * Have goals * Allocate time based on importance of task |
| Cooperation | Cooperation is a necessary trait for a group project because without working together it is unlikely that all the tasks will be completed. Cooperation will be especially important when working on the same pieces of code and when critiquing work. It is important to understand that we are working together and not against each other. | * Slack * Github * Google Drive * Facebook messenger |
| Problem solving | There will be many large and small problems that need solving within the project. Without the ability to think of creative solutions to these problems there will be many road blocks that will waste our time. | * Online research * Listening to our Mentor * Learn from peers at university |

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| **Resources** | **Description** | **Why this resource is valuable** |
| Internet | A digital network, the internet is the home of incredible amounts of information on all topics. | We can find appropriate information on topics of interest and use it to communicate effectively. |
| Mentor | For this project we were assigned a mentor with project experience to oversee our work and provide us with advice. | This is a valuable resource because working with someone more experienced than you will help provide a better perspective and more approaches to the project. |
| University Staff and Students | University is filled with knowledgeable students and staff that would be willing to help provide thoughts and information about a project. | Like the mentor, we can gain more perspective and information about our project. |
| Books | Books have always been a reliable source of information, being comprehensive and detailed. | If we require very specific information about a topic, finding a book might be more efficient than looking online. |