|  |  |  |  |
| --- | --- | --- | --- |
| **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 webpages and applications. | We will need to know this language to make the online interface. |  |
| Javascript | Javascript is an object orientated language used to make webpages 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 * Mentor * 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 webpages. | 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. |  |  |

|  |  |  |
| --- | --- | --- |
| **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 |  |  |
| Problem solving |  |  |