A Skills and Resources Audit.

This is a report of the relevant skills and tools the team needs to successfully carry out the project, and therefore explain the relevant skills and tools that must be required for effective project progression.

Resources available for the project

For this project, we have a variety of resources at our disposal. These include all resources that are available for Students of the University of Western Australia such as common learning areas, conference rooms, computer labs and learning pods. Each team member has their own laptop with the necessary software installed (as mentioned later in this document) in order to effectively design/create/maintain all the requirements of the project.

Resources that are required to produce the project

For this project, the main resource needed will be a cloud storage service that will be able to run 24 hours, 7 days a week with high reliability with only a minor concern (as expressed by the clients) with the speed of the server. Although the speed of the server is not a main concern for project completion, however we anticipate that due to the handling of large amounts of data, this concern may change as the project continues. This will be presented to our Client Project Leader and organised once approved. The software that we intend to use are: Flask, Jupyter Notebook, ClickUp, Excel, MySQL and the use of Amazon Web Services for a cloud service.

Technical skills available for the project

Our project team has a diverse set of undergraduate majors with various different skills that complement one another. Within software engineering science, management, data science, computer science, finance and mathematics majors, we have many expertise's available for us to effectively capitalise. And hence, our team has proficient skills covering a large proportion of programming languages from Python, C, SQL, Java, HTML, CSSL, R, Mathematica and general web development.

Members of the team have completed professional internships in the fields of warehouse inventory management and engineering science which will help add value to the project in various ways such as: the professional project management aspect, data warehousing and data handling in MySQL.

Our group has exceptional research and report writing skills that will be valuable for the documentation side of the project. Some members of the team also have had exposure to data analysis, more specifically with tools and displaying plots in the Python framework, data cleaning scripts and data analysis within commerce-related issues that closely relate to the project. Other skills include the use of Excel and project management programs for general purpose uses such as project scheduling, resource analysis and data handling.

Technical skills that would be necessary for the project

Technical skills that will be necessary to create the project include maintaining a high level of proficiency in Python, SQL and JavaScript programming languages. Programs that will be required with an equal high level of proficiency include Flask, Jupyter Notebook, ClickUp, Excel, MySQL and the use of Amazon Web Services for a cloud service.

Personnel required for the project

For this project, several exterior personnel are needed including: Client Project Leader, Project Mentor, Project Auditor and Doctors:

- The Client Project Leader, will be the liaison between our project team and the Doctors themselves in order to coordinate discussion and effective progression within the project.
- The Project Mentor will give insight towards managing a successful project and provide advice and support regarding project management, people management and project oversight.
- The Project Auditor will be assessing our team's overall cohesion and compatibility whilst ensuring our project stays on track.
- The Doctors will be the main client for the project and end-user of the project, thus are the source of project considerations, wants and user stories.