**IT5016 ASSESSMENT 2: PART B – TASK 2**

Outline and describe the stages of the Software Development Lifecycle that you have applied throughout the development of your software solution.

1. Planning – determining how to build the software through budget, scheduled timelines, resources and solutions. For the requisition system, determining the features such as staff info, requisition details, requisition details and more was needed to planned in a way to make it easy for the final statistics.
2. **Analysis** – is the documented final solution of the software after the planning stage with in-dept details and analysed requirement of the software. In this process, the final solution of the requisition system is decided with its input format, processing and output details.
3. **Design** – developing designs of the final solution where developers explain how the appearance of the application will look like and design algorithms that will fulfil the application’s requirements. In this, how the requisition system will be displayed to the user is determined. The layout of the application is simple and easy to understand, along with the statistics provided at the end.
4. **Implementation** – the software application is taken to produce code and determine if the outcome is fully working, and to keep the product’s growth aligned to the expectations of the organization. With the requisition system, the output is produced with its correct labels and runs without error.
5. **Testing** – the testing teams conduct various tests on the final product to ensure there are no bugs or error. Testing teams ensures that the final software is at its highest quality and gives the desired output. Different instances of submitting the requisition are tested out multiple ways to ensure there are no errors.
6. **Maintenance** – the software application is monitored for any bugs or if users face difficulty. Mostly focuses on improving the quality of the software while users are using it. After the requisition system is being used by the users, the maintenance team keep track of any feedbacks or error reports submitted. With this, the error is immediately fixed and will update if required.