Project Plan

Project Name: Desktop Application Project

Group Number: 48

Team members

Student No.	Full Name	GitHub Username	Contribution (sum to 100%)
s5290341	Zhongyue Qiu	Leia-Q0107	33.3% or Equal
s5226106	Lowry Zhao	LowryZhao	33.3% or Equal
s5261308	Jiaxin Lin	AllenLinAU	33.3% or Equal

Brief Description of Contribution

Please Describe what you have accomplished in this group project.

- s5290341, Zhongyue Qiu
  - Accomplishments: I completed the gantt chart, WBS, Use Case Diagramm and descriptions, software design, detailed design and visual design. Also, a main part of project plan.
- s5226106, Lowry Zhao
  - Accomplishments: I completed the Problem background, System capabilities/overview, Benefit Analysis, Structural Design, Submission and organization of all documents.
- s5261308, Jiaxin Lin
  - Accomplishments: I completed the User Requirements, Software Requirements, list key functions and data structures.

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1. Project Overview

1.1 Project Objectives

In today's world, the dataset analysis and visualisation are very important for people to make decision between large number of useful and useless data. For this Desktop application project, it aims to design and provide a useful tool that users can efficiently analyse and visualise the data through an intuitive graphical user interface (GUI). By focusing on user experience, this desktop application will follow these aspects. The user-friendly interface is a core objective for this desktop application. This feature will be represented by creating a graphical user interface (GUI) for users to easily and visually access the information of large amounts of data. On addition, data analysis capabilities are another important objective in this desktop application project. It mainly supports desktop application to execute the analysis of mass data, the functionality of filtering useless data according to user requirements, the summary of statistics and the aggregations of data information. Furthermore, visualisation is also an indispensable objective during the design and implementation of desktop application project. It assists desktop application to implement and display different kinds of visual performance for users to easily understand the mode and trend of data. The visualisation will perform by different types of charts, such as bar graph and pie chart. The above objectives design together will display a desktop application with user-friendly, functionalities and data visualisation features.

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1.2 Project Stakeholders

There are three types of stakeholders relate to this desktop application. One is in the potentially internal teams, which consist of software engineers, UI/UX designers, application testers, data analysts and project management members. Another is identified users about this project, it primarily contains nutritionist, healthcare professionals, the general public and individuals. Additionally, the marketing teams are involved in this project. These stakeholders play essential roles in this project, it will be illustrated below. For the internal teams, first is software engineers that responsible for coding and developing the application to make sure the data analysis and visualisation function can work properly. Secondly, UI/UX designers focus on creating an intuitive and user-friendly interface, including design wireframes and prototypes for this project, collaborating with software engineers to ensure the final design can be realized. Thirdly, the application testers are responsible for testing the application to find out the issues of this desktop application, collaborating with software engineers to understand the functionality of features, performing different testing methods and providing feedback for develop this desktop application. Fourthly, Data analysts can work with software engineers to provide insights of user requirements and data display effect to define the functionality of data analysis and visualisation. Finally, project management member in this project is to communicate with different team members and stakeholders, set timeline and track the progress of this project. On the other hand, the above identified users are the end user of this project. In addition, the marketing teams are responsible for promoting this application to some potential users. These teams collaborate with project team to understand the features, functions and benefits of this desktop application, and design effective marketing strategies and conduct marketing research about the user needs to promote this desktop application across the market.

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1.3 Project Scope

During the desktop application project and the final application product, the clear scope will include three objectives are illustrated in the section 1.1. There are user-friendly interface that make user easily access this desktop application, data analysis capabilities that support this desktop application can execute different data analysis function effectively, and visualisation that the results of data information can be displayed visually. Also, user acceptance testing is significant process at the end of project. It assists application to identify issues and improve the system functions. Additionally, user guidelines, IT support and feedback channel are essential for this desktop application product to develop the application system for users to conveniently access the functions of analysing and visualising data. On the other hand, this desktop application project and product excludes doing complex task processes about searching or filtering outside database categories or unrelated resources, the high -level output graphs or diagrams and the use of third-party applications.

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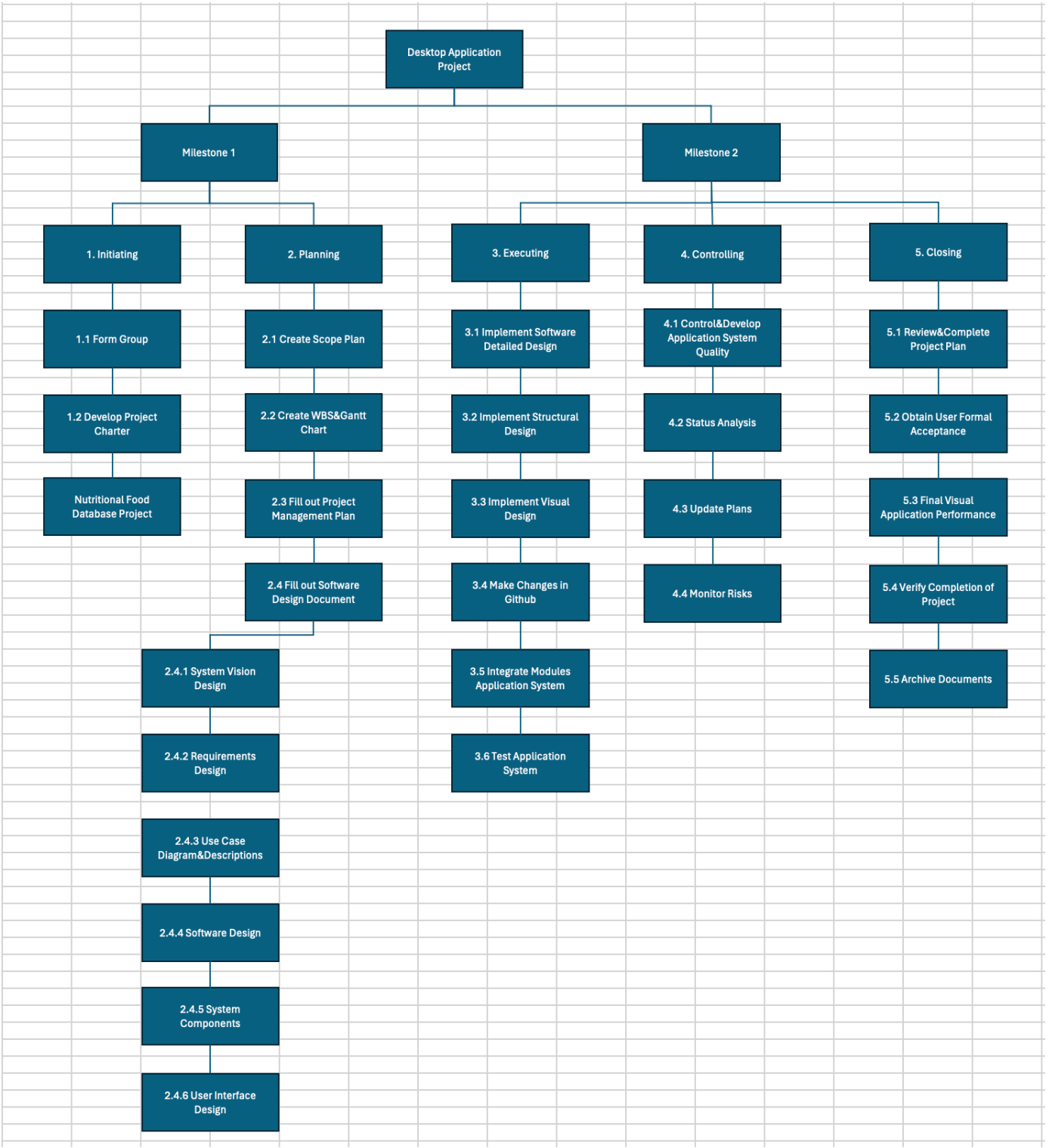
2. Work Breakdown Structure

Include the Work Breakdown Structure (WBS) for the entire project. WBS should be presented as a hierarchical diagram. Use the elements from the WBS to define activities in Section 3, and schedule these activities in the Gantt Chart in Section 4. Ensure all project activities are considered and included in the WBS.



3. Activity Definition Estimation

Define the activities required for your project based on the WBS, and assign responsibilities to team members. Each activity should be numbered and correspond with your Gantt chart. Provide estimated durations for each activity to facilitate Gantt chart preparation.

Activity #No	Activity Name	Brief Description	Duration	Responsible Team Members
1.1	Form Group	3 persons	1 Day	Zhongyue&Lowry&Jiaxin
1.2	Develop Project Charter	Project overview	3 Days	All
1.3	Meet with Stakeholders	Shedule meeting	1 Days	All
2.1	Create Scope Plan	Plan project scope	3 Days	Zhongyue
2.2	Create WBS and Gantt Chart	Tasks Schedule	3 Days	Zhongyue
2.3	Fill out Project Management Plan	Project plan	5 Days	Zhongyue
2.4	Fill out Software Design Document	Software design	13 Days	All
2.4.1	System Vision Design	Background&Benefit	2 Days	Lowry
2.4.2	Requirements Design	User&Software	2 Days	Jiaxin
2.4.3	Use Case Diagram&Descriptions	System-level	2 Days	Zhongyue
2.4.4	Software Design	Flowchart&operation	3 Days	All
2.4.5	System Components Descriptions&Design	Function	2 Days	All
2.4.6	User Interface Design	Detailed Design	2 Days	All
3.1	Implement Software Detailed Design	Implement Design	2 Days(Plan)	All
3.2	Implement Structural Design	Implement Design	2 Days(Plan)	All
3.3	Implement Visual Design	Implement Design	2 Days(Plan)	All
3.4	Make Changes in Github	Update changes	2 Days(Plan)	All
3.5	Integrate Modules Application System	Integration	2 Days(Plan)	All
3.6	Test Application System	Testing	3 Days(Plan)	All
4.1	Control&Develop Application System Quality	Quality	3 Days(Plan)	All

Activity #No	Activity Name	Brief Description	Duration	Responsible Team Members
4.2	Status Analysis	Design Analysis	2 Days(Plan)	Lowy&Jiaxin
4.3	Update Plans	Update Schedule	1 Days(Plan)	Zhongyue
4.4	Monitor Risks	Implement Risk Response	2 Days(Plan)	Lowry
5.1	Review&Complete Project Plan	Check Details	1 Days(Plan)	Zhongyue
5.2	Obtain User Formal Acceptance	User Test	2 Days(Plan)	Jiaxin
5.3	Final Visual Application Performance	Visualisation	2 Days(Plan)	All
5.4	Verify Completion of Project	Completed	1 Days(Plan)	All
5.5	Archive Documents	Zip Documents	1 Days(Plan)	Zhongyue

4. Gantt Chart

You have to use the provided Gantt chart template.

Use the provided Gantt chart template to list all items from the Activity Definition along with relevant estimates and scheduling. Ensure that the Gantt chart reflects the activity definitions from Section 3. Track actual start times and

durations. Besides including Gantt chart here, you should also submit your Gantt chart file separately.