Group 1

Project Plan Part 1

**Introduction**

Over the next seven weeks our team of three, will develop an application that allows a user to save, edit, and delete recipes. The user will also be able to create a seven-day meal plan. The user-friendly GUI will be created using Python and the database will be created using sqlite3. We will be using as much open-source software as possible to keep costs low.

**Project Organization**

* Project Manager – Riley Ringer
* Lead Programmer – Ben Burk
* Documentation Specialist – Amy Ernsperger

**Risk Analysis**



**Hardware and Software Requirements**

Software:

* Python with required libraries (TKinter, Sqlite3, datetime)
* OS – Mac, Windows, or Linux
* IDE – Vscode or PyCharm

Hardware:

* Minimum of 4GB RAM
* Dual-core processor
* Mouse/Keyboard

**Work Breakdown**

* Define objectives – Outline the scope and functionality of recipe tracker.
* Identify roles and responsibilities.
* Design and architecture – Develop design for the recipe tracker. Include database schema (design). GUI as well.
* Testing – Conduct testing to assure quality.
* Documentation – Create user manuals / other relevant documentation.

**Process Flow DiagramsDiagram

Description automatically generated**

* Develop diagrams to illustrate the flow of activities within the recipe tracker. Include user interaction, data inputs and outputs, and system integration.
* Use tools like flowcharts or data flow diagrams to visually represent interactions between different components of the recipe tracker.

**Project Schedule**

* Currently using Monday.com to create and track the project schedule. Gantt chart included.
* Review and Update – Regularly review and update the project schedule to ensure everything is going smoothly.

**Monitoring and Reporting Mechanisms**

* Project management tools currently utilizing Monday.com to assign tasks and look at gantt chart.
* Regular progress meetings – Schedule team meetings, perhaps a weekly meeting to see where the team stands on their current tasks.

**Gantt Chart Below**



**Appendix**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity No.** | **Activity Desc.** | **Estimated Time (days)** | **Dependencies** |
| 1 | Define project objectives and scope | 2~ | - |
| 2 | Identify team roles and resp. | 1~ | 1 |
| 3 | Conduct requirements analysis | 5~ | 1 |
| 4 | Design and architecture | 3~ | 3 |
| 5 | Implementation | 10~ | 4 |
| 6 | Testing and quality assurance | 7~ | 5 |
| 7 | Documentation | 3~ | 6 |

**Implementation**

* Deploy the application and gather feedback.
* Test and refine the application. Uncover any bugs that may be present based on feedback and find solutions.
* Performance optimization.
* Maintain the application with proper updates.