Group 10 Project Plan

**Introduction**

The objective of the project is to create an application that can assist people with their future group projects. By creating a tool that can automatically detect shared time slot availability, groups can easily find times that work for all members. There will also be a milestone and activity tracker that can inform the group of what needs to be done and what has already been accomplished.

**Project Organization**

* Project manager – Rajesh
* Scribe – Joseph
* Requirements engineer – Rajesh, Joseph, Dheeraj
* Architect – Rajesh
* Quality Assurance – Dheeraj
* Tech Support – Rajesh, Joseph, Dheeraj

**Risk analysis**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Risk | Possible Risks | Probability | Effects | Strategy |
| Estimation | Time of task completion is underestimated. | Moderate | Serious | Make sure to get tasks done as soon as possible. Clearly state what needs to be accomplished. |
| Organizational | Work tasks are not assigned properly. | Low | Tolerable | Create easily accomplished tasks and assign them evenly. Break down tasks into smaller pieces. |
| People | Group members fall ill or do not participate. | Low | Tolerable | Try to stay in communication, if possible, help by working together to complete tasks by member. |
| Technology | Learning curve associated with learning new frameworks. | High | Serious | Take time to watch tutorials and practice web frameworks. Use a framework that is familiar |
| Tools | Applications are too complicated or do not provide enough benefit. | Low | Tolerable | Tools should fit the tasks that need to be accomplished. Research ahead of time what these tools are capable of. |

**Hardware and Software requirements**

|  |  |
| --- | --- |
| Software | Hardware |
| IDE: IntelliJ | PC, Laptop |
| Web Platform: Spring, DOT NET |  |
| Host Server |  |
| Google Cloud |  |
| Azure for hosting |  |

**Work Breakdown Structure (WBS)**

Graphical user interface, application

Description automatically generated

Diagram

Description automatically generated

A picture containing timeline

Description automatically generated

**Project Schedule**

|  |  |  |
| --- | --- | --- |
| Milestone | Assigned Member | Required Task |
| 1 | Joseph | Manage a calendar that would indicate availability. |
| 1 | Dheeraj | Find Common open spots for team to meet |
| 1 | Rajesh | Managing Milestones |
| 2 | Joseph | Managing Checkpoints |
| 2 | Joseph, Dheeraj | Assessment of percentage of individual task completion. |
| 2 | Rajesh | Assessment of completion of project. |
| 3 | Joseph, Dheeraj | Creation of common project template. |
| 3 | Rajesh | Profile creation |

**Monitoring and reporting mechanisms**

Planning to meet at least twice a week including Thursday. We will be using Zoom for meetings and will also be communicating throughout the week using Discord.

* Project tracking system – Trello

<https://trello.com/b/gxeiBP7L/untitled-board>

* Version control repository –   
  <https://github.com/rajeshkumaruno/GroupProjectSupportTool>
* Shared folder for project documents – Google Drive   
    
  <https://drive.google.com/drive/folders/1GaTrL7BhmBQiyRVug2Ta6DG3Y7gmGCQJ?usp=sharing>
* Zoom meeting info:   
  Zoom for team meeting Monday  
  <https://unmc.zoom.us/j/99646595593?pwd=TkRtelVUYmVsZGY1NVhRREZ3Y1B2UT09>

Zoom for Thursday evening (6-8pm Central) meetings

<https://unomaha.zoom.us/j/97587609650?pwd=RW50MmU4UGNCQzdEWmNIcDh6d2w2UT09>