**Requirements Analysis [Functional & Non-functional]**

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| Date | 11 February 2023 |
| Project Name | Project Management Tool |
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**Functional Requirements:**Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional** | **Sub-Requirement [Story / Sub-Task] Requirement [Epic]** |
| FR-1 | User Registration | Registration via form or email ID and password creation |
| FR-2 | User Login | Using the registered email ID and password as login credentials |
| FR-3 | User Password Reset | Resetting the password by sending reset link to the registered mail id |
| FR-4 | Start a new project | Creating a project with title and description and searching and adding collaborators for the same |
| FR-5 | Project Dashboard | Viewing the project progress and teammates task progress |
| FR-6 | Task Management | Add, Remove, Achieve the tasks assigned |
| FR-7 | Visualization | Visualizing the user-specific data in different forms, having Kanban boards, Estimated time, Progress etc.. |
| FR-8 | Role Definition | Different roles for people in the same team |
| FR-9 | Redirecting to links | Open references and files related to that project |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | • The system should administer a quality attribute that assesses how easy *user interfaces* are to use  • The system doesn’t expect any technical pre - requisites from the user’s side |
| NFR-2 | Security | • User details and login credentials should be safe and secure  • The confirmation of a valid user is required for authentication |
| NFR-3 | Reliability | • Portable and cross-platform independent  • The application should be subjected to an experiment, test, or measuring procedure that yields the same results on repeated trials  • Easy to use and flexible |
| NFR-4 | Performance | • The system should handle the traffic efficiently and service requests while consuming less bandwidth  • The accuracy of the result of a measurement, calculation, or specification should be dependent the datasets  • The page should not take a lot of time to load the contents and display them |
| NFR-5 | Availability | • The version of the application should be available even at the time of maintenance and updating  • The system should run 24 hours a day, 7 days a week *[24/7 available]* |
| NFR-6 | Scalability | • The application should be in the way of adding new functionalities or modules without affecting the existing functionalities  • The system should be able to manage numerous users at a time and be less prone to errors |