**Requirements Gathering**

**1. Stakeholder Analysis**

* **Primary Stakeholders:** Users who will manage and track tasks using the system.
* **Secondary Stakeholders:** Developers, project team, and potential investors.
* **Key Needs:** Efficient task creation, categorization, due dates, and filtering options.

**2. User Stories & Use Cases**

| **ID** | **User Story** | **Priority** |
| --- | --- | --- |
| 1 | As a user, I want to create tasks so that I can keep track of my work. | High |
| 2 | As a user, I want to edit tasks so that I can update my progress. | High |
| 3 | As a user, I want to delete tasks so that I can remove completed or irrelevant tasks. | Medium |
| 4 | As a user, I want to categorize tasks by priority so that I can manage urgent tasks first. | High |
| 5 | As a user, I want to filter tasks by status so that I can focus on active work. | Medium |

**3. Functional Requirements**

* Task creation, updating, and deletion functionality.
* Task categorization based on priority and status.
* Search and filter options for efficient task management.
* Authentication system (Email/Google login).
* Responsive UI for accessibility on different devices.

**4. Non-functional Requirements**

* **Performance:** System should handle at least 1000 tasks without lag.
* **Security:** User authentication and secure API communication.
* **Usability:** Intuitive UI for easy task management.
* **Reliability:** 99% uptime guarantee to ensure availability.
* **Scalability:** Ability to support increasing users and tasks over time.