**Task Visualizer App**

### Functional Requirements:

1. **User Authentication and Authorization:**
   * Users must be able to register for an account.
   * Users must be able to log in securely.
   * Users should be able to reset their passwords if forgotten.
   * Users should be able to log out of their accounts.
2. **Task Management:**
   * Users should be able to create new tasks.
   * Users should be able to delete tasks.
   * Users should be able to edit existing tasks.
   * Users should be able to prioritize tasks by urgency and importance.
   * Users should be able to mark tasks as complete.
   * Users should be able to organize tasks into categories or lists.
   * Users should be able to add due date to tasks
3. **User Interface:**
   * The interface should be intuitive and easy to use.
   * Tasks should be displayed only on light mode.
   * The app should support various views such as list view and grid view.
   * There should be options for sorting tasks based on different criteria (e.g., due date, priority).
4. **Reminders and Notifications:**
   * Users should be able to set reminders for tasks.
   * Users should receive notifications for upcoming tasks or overdue tasks.
   * Notifications should be customizable (e.g., frequency, type).
5. **Collaboration (if applicable):**
   * Users should be able to share tasks or lists with other users.
   * Shared tasks should update in real-time for all collaborators.

### Non-functional Requirements:

1. **Performance:**
   * The app should respond quickly to user interactions.
   * The app should be responsive across different devices and screen sizes.
2. **Security:**
   * User data should be encrypted both in transit and at rest.
   * The app should implement proper authentication and authorization mechanisms to prevent unauthorized access.
   * The app should undergo regular security audits and updates to patch vulnerabilities.
3. **Reliability:**
   * The app should be available and accessible at all times, with minimal downtime.
   * Tasks and user data should be reliably stored and backed up to prevent data loss.
   * The app should gracefully handle errors and exceptions to ensure uninterrupted user experience.
4. **Scalability:**
   * The app should be able to handle a growing user base and increasing amounts of data.
   * It should scale both vertically (adding more resources to existing servers) and horizontally (adding more servers).
5. **Compatibility:**
   * The app should be compatible with most web browsers.
   * It should support popular web browsers such as Chrome, Firefox, Safari, and Edge.
6. **Usability:**
   * The user interface should be aesthetically pleasing and consistent across different platforms.
   * The app should provide adequate guidance and documentation for users to understand its features and functionalities.