

## Functional Requirements

1. **As a new user, I want to** create an account with my email and a secure password, **so that** I can access the application's features.
2. **As a registered user, I want to** log in with my credentials, **so that** I can access my personal to-do list.
3. **As a registered user, I want to** remain logged in across sessions, **so that** I don't have to re-enter my credentials every time I open the application.
4. **As a registered user, I want to** securely log out, **so that** my account is protected when using a shared device.
5. **As a registered user, I want to** see a list of all my active to-do items when I visit the main page, **so that** I can immediately know what I need to work on.
6. **As a registered user, I want to** add a new task with a title and optional description, **so that** I can quickly capture a new item.
7. **As a registered user, I want to** edit the title and description of an existing task, **so that** I can update my task details as needed.
8. **As a registered user, I want to** mark a task as complete, **so that** I can track my progress and clear my active list.
9. **As a registered user, I want to** permanently delete a task **so that** I can remove irrelevant or finished items from my list.

10. **As a** registered user, **I want to** have my tasks saved and retrieved reliably, **so that** my data is persistent across all my sessions.

11. **As a** registered user, **I want to** sort my tasks by creation date (newest first), **so that** I can prioritize my most recently added items ( optional )

## Non-Functional Requirements

1. **As a system, I want to** securely hash all user passwords, **so that** User data is protected in the event of a data breach.

2. **As a system, I want to** enforce data isolation **so that** a user can only access their own tasks

3. **As a user, I want to** use the application on my phone or desktop, **so that** I can manage my tasks wherever I am.

4. **As a user, I want to** receive immediate feedback after an action, **so that** I know my action was successful or if an error occurred.