

Functional Requirements

1) User Authentication

- a) The user be able to register a new account or log in using an exist one.

- ✚ User registration functionality (backend)

- ✚ User login functionality (backend)

- ✚ Email verification (backend)

- b) The user should be able to reset their password.

- ✚ Password reset functionality (backend)

2) Profile Management

- a) Users should be able to view and modify their profile information.

- ✚ Endpoints for reading and modifying user profile (backend)

3) Subject Menu

- a) The subject menu should contain a list of subjects in the class.

- ✚ Endpoint for retrieving the menu (backend)

- b) The user should be able to click one subject of the list to view its details(marks or homework).

- ✚ Endpoint for getting subject details (backend)

4) Teacher homework menu

- a) The teacher should be able to add and modify homework.

- ✚ Endpoints for managing the menu (CRUD) (backend)

- b) The student should be able to view homework menu.

- ✚ Endpoint for retrieving the menu (backend)

- c) The student should be able to click one homework of the list to send its solution.

5) Solution homework menu

- a) The student should be able to add and modify solution.

- ✚ Endpoints for managing the menu (CRUD) (backend)

- b) The teacher should be able to view homework menu.

- ✚ Endpoint for retrieving the menu (backend)

Non-Functional Requirements

- ✚ In the event of system errors or failures, users should be provided with appropriate error messages and notifications.

- ✚ The code should be well-structured and modular, following best practices for maintainability and future enhancements.