

1. Doctor creates a diagnosis for patient:

- *Typical scenario:*

The doctor logs in to the platform, navigates to the patient's profile, selects the "Create diagnosis" option, enters the diagnosis details, and saves it. The diagnosis is now added to the patient's profile and can be used for generating a meal-plan.

- *Alternate scenario:*

The doctor forgets to fill in a required field in the diagnosis form and tries to save it. The platform displays an error message and highlights the missing field.

- *Alternate scenario:*

The doctor accidentally selects the wrong diagnosis type from a drop-down menu and saves it. The diagnosis is now incorrect and needs to be edited or deleted.

- *Alternate scenario:*

The doctor exceeds character/word limit in required field for diagnosis (300-word limit)

2. Patient requests a meal-plan to be generated based on diagnosis from the database:

- *Typical scenario:*

The patient logs in to the platform, navigates to their profile, selects the "Request meal-plan" option, selects the diagnosis for which they want a meal-plan to be generated, and submits the request. The platform generates a meal-plan based on the patient's preferences and nutritional requirements, and displays it to the patient.

- *Alternate scenario:*

The patient forgets to select a diagnosis and submits the request. The platform displays an error message and prompts the patient to select a diagnosis.

- *Alternate scenario:* The patient selects a diagnosis that does not exist in the database. The platform displays an error message and prompts the patient to select a valid diagnosis.

3. Doctor is able to view, edit, and approve meal-plan of the assigned patient:

- *Typical scenario:*

The doctor logs in to the platform, navigates to the patient's profile, selects the "View meal-plan" option, reviews the meal-plan details, makes any necessary edits, and approves the meal-plan. The patient is now able to see the approved meal-plan.

- *Alternate scenario:*

The doctor accidentally approves the wrong meal-plan for the patient. The patient notifies the doctor of the error, and the doctor edits or deletes the meal-plan.

- *Alternate scenario:*

The doctor tries to edit or approve a meal-plan that has already been approved. The platform displays an error message and does not allow the action to be taken.

Miscellaneous Test Cases for Front-End:

Use Case: User Authentication

1. Ensure that the login page is displayed correctly.
2. Verify that the "Forgot Password" link redirects to the correct page.
3. Attempt to log in with an incorrect password and ensure that an error message is displayed.
4. Attempt to log in with a non-existent user and ensure that an error message is displayed.
5. Verify that the user is redirected to the correct page upon successful login.
6. Verify that the logout function works correctly.

Use Case: User Profile Management

1. Ensure that the user's profile information is displayed correctly.

Use Case: User Interface

1. Ensure that all buttons and links on the website are functioning correctly.
2. Verify that the website is responsive and displays correctly on different devices and screen sizes.
3. Verify that all text and images are displayed correctly and are properly aligned.
4. Verify that the website's layout is consistent throughout all pages.
5. Verify that all forms and input fields are functioning correctly and that user input is validated correctly.