5.1: Test Cases [up to 12pts]

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| **Test Case Id.** | **Test Scenario and Objective** | **Precondition**  **(if any)** | **Test Steps** | **Input Data**  **(if any)** | **Expected Result** |
| PN001 | Login with valid credentials to ensure that a registered user can successfully log in. | User must be registered with valid credentials. | * Navigate to the login page. * Enter a registered email and password. * Click the "Login" button. | * Username: Doctorjohn * Password: 1234 | User successfully logs in and is redirected to the homepage. |
| PN002 | Doctor recommendation – To ensure that the doctor is able to view analysis and submit recommendations. | Doctor must be logged in and reports must be available to review. | * Login as doctor. * Open patient dashboard. * Select a patient. * Add recommendation. * Save changes and submit. | Medical recommendation. | Recommendations are saved and the patient's record is updated. |
| PN003 | Health worker adds a new patient record – To ensure that a health worker can successfully add a new patient's information into the system. | Health worker must be logged in with the appropriate role and permissions. | * Login as health worker. * Navigate to the "Add New Patient" section. * Enter patient details including name, age, gender, contact information, and medical history. * Click "Submit" or "Save" to add the record | * Name: John Doe * Age: 45 * Gender: Male * Contact: johndoe@email.com * Medical History: Hypertension, Diabetes | Patient record is successfully added to the system and becomes visible in the patient list. |
| PN004 | Patient views report – Patient should be able to access their report if it exists. | Patient must have an account and a full diagnosis report uploaded. | * Go to login page. * Login as patient using correct credentials. | * Username: Username * Password: Password | Report is displayed with patient details, diagnosis, symptoms, status, and doctor’s recommendations. |