**HealthAI: Intelligent Healthcare Assistant Using IBM Granite**

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| Date | 28 june 2025 |
| Team ID | LTVIP2025TMID34448 |
| Project Name | **HealthAI: Intelligent Healthcare Assistant Using IBM Granite** |
| Maximum Marks | 10 |

**Project Overview**

**Project Name:** HealthAI: Intelligent Healthcare Assistant Using IBM Granite  
**Project Description:**  
HealthAI is an AI-powered healthcare assistant designed to provide intelligent, real-time support to patients and healthcare providers. Leveraging IBM Granite's advanced AI models, the system offers features such as symptom assessment, appointment scheduling, medical history analysis, and personalized health recommendations.

**Project Version:** 1.0

**Testing Period:** [Start Date] to [End Date]

**Testing Scope:**

* Features and Functionalities to be Tested:
  + Symptom checker and triage tool
  + Appointment scheduling interface
  + Patient record integration and analysis
  + AI-driven health recommendations
  + User authentication and security features
* User Stories / Requirements to be Tested:
  + As a patient, I want to describe my symptoms and receive initial guidance.
  + As a provider, I want to view summarized patient records with AI insights.
  + As an admin, I want to manage user access securely.
  + As a user, I want personalized health recommendations based on my history.

**Testing Environment:**

* **URL/Location:** [Web URL or Application Location]
* **Credentials (if required):**
  + Username: [Username]
  + Password: [Password]

**Test Cases:**

| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| TC-001 | Test symptom checker functionality | 1. Log in as patient 2. Enter symptoms 3. Submit | AI returns appropriate guidance based on symptoms | [Actual result here] | [Pass/Fail] |
| TC-002 | Test secure login | 1. Open login page 2. Enter valid credentials 3. Click login | User is authenticated and redirected to dashboard | [Actual result here] | [Pass/Fail] |
| TC-003 | Test health recommendations | 1. Navigate to health tips 2. Input user profile details 3. Submit | Personalized health tips are shown | [Actual result here] | [Pass/Fail] |

*(Add additional test cases as needed.)*

**Bug Tracking:**

| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| --- | --- | --- | --- | --- | --- |
| BG-001 | Symptom checker returns blank page | 1. Log in 2. Enter symptoms 3. Submit | High | Open | Occurs on Chrome, not on Firefox |
| BG-002 | Appointment not saving to calendar | 1. Schedule appointment 2. Confirm 3. Check calendar | Medium | In Progress | May be related to timezone settings |

*(Add additional bugs as needed.)*

**Sign-off:**

* **Tester Name:** [Name of Tester]
* **Date:** [Date of Test Completion]
* **Signature:** [Tester's Signature]

**Notes:**

* Ensure all test cases cover both positive and negative scenarios.
* Encourage testers to provide detailed feedback and suggestions.
* Bug reports must include reproducible steps and severity levels.
* Final sign-off is required from both the **Project Manager** and **Product Owner** before deployment.

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