# FUNCTIONAL AND PERFORMANCE TESTING

## Performance Testing

**User Acceptance Testing (UAT)**

|  |  |
| --- | --- |
| Date | **10-04-2025** |
| Team ID | **SWTID1742907331** |
| Project Name | **MaitriLok: Social Media App** |
| Maximum Marks | **10** |

**Project Overview:**

Project Name: MaitriLok: Social Media App

Project Description: A customizable and interactive MERN Stack-based social media platform that supports user posts, chatting, following, theme customization, and profile viewing.

Project Version: v1.0

Testing Period: 09 April 2025 to 10 April 2025

**Testing Scope:**

User Registration/Login

Profile View (Self and Others)

Post Creation and Feed Viewing

Search Functionality

Theme Customization

Chat Functionality

Follow/Unfollow

Save Post

**Testing Environment:**

URL/Location: VS Code

Frontend : localhost:5173

Backend: localhost:3000

Credentials (if required): you can sign in with any email and password

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | User Registration | Open Signup > Fill Form > Submit | Account created and redirected to login page | Account created and redirected to login page | [Pass/Fail] |
| TC-002 | Login with valid credentials | Open Login > Enter Email/Password | Redirected to Home/Feed | Redirected to Home/Feed | [Pass/Fail] |
| TC-003 | View another user's profile | Search User > Click Profile | Profile data visible | Profile data visible | [Pass/Fail] |
| TC-004 | Post creation | Go to Create Post > Submit post | Post visible in feed | Post visible in feed | [Pass/Fail] |
| TC-005 | Chat with another user | Open Chat > Send Message | Message sent and received in real-time | Message sent and received in real-time | [Pass/Fail] |
| TC-006 | Change Theme | Toggle theme/color | App color changes instantly | App color changes instantly | [Pass/Fail] |
| TC-007 | Follow/unfollow user | Go to profile > Follow/Unfollow | Button toggles and network updates | Button toggles and network updates | [Pass/Fail] |
| TC-008 | Save a post | Click Save icon on post | Post saved to user profile | Post saved to user profile | [Pass/Fail] |

**Bug Tracking:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **Severity** | **Status** | **Additional feedback** |
| BG-001 | Chat not updating in real-time | Open chat > Send > Other user idle | Medium | Open | Might need socket retry |
| BG-002 | Theme not saved after refresh | Change theme > Reload | Low | In progress | Consider localStorage |

**Sign-off:**

Tester Name:

Date:

Signature:

**Notes:**

● Ensure that all test cases cover both positive and negative scenarios.

● Encourage testers to provide detailed feedback, including any suggestions for improvement.

● Bug tracking should include details such as severity, status, and steps to reproduce.

● Obtain sign-off from both the project manager and product owner before proceeding with deployment.