**User Acceptance Testing (UAT)**

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| Date | 10 April 2025 |
| Team ID | SWITD1743598785 |
| Project Name | Stock Trading Web App |
| Maximum Marks |  |

**Project Overview:**

Project Name: Stock Trading Web App

Project Description:

Overview:

A MERN stack-based online platform for real-time stock trading, offering user-friendly features for secure trading, portfolio management, and real-time stock data.

Key Features:

User Authentication: Secure registration, login, and password recovery.

Trading: Real-time stock prices, buy/sell orders, and trade history.

Portfolio Management: Track investments and receive notifications.

Technology Stack:

Frontend: React.js

Backend: Node.js, Express.js

Database: MongoDB

External Services: Stock data APIs, notification services

The app aims to deliver a seamless and secure trading experience with robust performance and scalability.

Project Version: Version 1

Testing Period: 8/04/25 to 10/04/25

**Testing Scope:**

**List of Features and Functionalities to be Tested:**

* User Registration and Login
* Viewing Real-Time Stock Data
* Placing Buy/Sell Orders
* Viewing Trade History
* Portfolio Management
* Receiving Notifications
* User Settings and Profile Management

**List of User Stories or Requirements to be Tested:**

* As a user, I want to register and log into my account.
* As a user, I want to view real-time stock prices.
* As a user, I want to place buy orders for stocks.
* As a user, I want to place sell orders for stocks.
* As a user, I want to view my trade history.
* As a user, I want to manage my stock portfolio.
* As a user, I want to receive notifications about my trades.
* As a user, I want to update my profile settings.

**Testing Environment:**

* **URL/Location:** http://localhost:3000/home
* **Credentials (if required):** [mukundan7610@gmail.com /

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | User Registration | 1. Navigate to the registration page<br>2. Enter required details<br>3. Submit the form | User is successfully registered | User is successfully registered and redirected to the dashboard page | Pass |
| TC-002 | User Login | 1. Navigate to the login page<br>2. Enter username and password<br>3. Click on login | User is successfully logged in | User is logged in and redirected to the home page | Pass |
| TC-003 | View Real-Time Stock Data | 1. Log into the account<br>2. Navigate to the stock data page | Real-time stock data is displayed | Real-time stock data is displayed correctly | Pass |
| TC-004 | Place Buy Order | 1. Log into the account<br>2. Navigate to buy order page<br>3. Enter stock details<br>4. Submit the order | Buy order is successfully placed | Buy order placed and confirmation message shown | Pass |
| TC-005 | Place Sell Order | 1. Log into the account<br>2. Navigate to sell order page<br>3. Enter stock details<br>4. Submit the order | Sell order is successfully placed | Sell order placed and confirmation message shown | Pass |
| TC-006 | View Trade History | 1. Log into the account<br>2. Navigate to trade history page | Trade history is displayed | Trade history is displayed correctly | Pass |
| TC-007 | Manage Portfolio | 1. Log into the account<br>2. Navigate to portfolio management page | Portfolio is displayed and manageable | Portfolio details are displayed and can be managed | Pass |
| TC-008 | Receive Notifications | 1. Perform trade actions<br>2. Check for notifications | Notifications are received | Notifications are received for trade actions | Pass |
| TC-009 | Update Profile Settings | 1. Log into the account<br>2. Navigate to profile settings page<br>3. Update settings<br>4. Save changes | Profile settings are updated | Profile settings updated successfully | Pass |

**Bug Tracking:**

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| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| BG-001 | Error during user registration | 1. Navigate to the registration page<br>2. Enter required details<br>3. Submit the form | High | Open | Registration fails with a server error |
| BG-002 | Real-time stock data not updating | 1. Log into the account<br>2. Navigate to the stock data page | Medium | In Progress | Stock data does not refresh automatically |
| BG-003 | Unable to place buy order | 1. Log into the account<br>2. Navigate to buy order page<br>3. Enter stock details<br>4. Submit the order | High | Closed | Buy order form submission results in an error |
| BG-004 | Notifications not received | 1. Perform trade actions<br>2. Check for notifications | Low | Open | Notifications not received after trade actions |
| BG-005 | Profile settings not saving | 1. Log into the account<br>2. Navigate to profile settings page<br>3. Update settings<br>4. Save changes | Medium | Open | Changes to profile settings are not saved |

**Sign-off:**

Tester Name: Nupur Trivedi, Mitul Modh, Vaasu Bisht, Divyanshi Vishwakarma

Date: 10/04/25

Signature: 