**FINVERSE - TEST CASE DOCUMENT**

**Project:** FinVerse – Currency & Stock Exchange Web App  
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### ****1. User Authentication Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC01 | Login with valid credentials | User account exists | Enter valid email/password, click Login | Redirect to dashboard | As expected | Pass |
| TC02 | Login with invalid password | User account exists | Enter valid email, wrong password | Error message shown | As expected | Pass |
| TC03 | Signup with new user details | User not registered | Enter name, email, password, click Signup | Account created successfully | Validation delay observed | **Fail (B001)** |
| TC04 | Logout functionality | User logged in | Click logout button | User returned to login screen | As expected | Pass |
| TC05 | Forgot Password link | User registered | Click ‘Forgot Password’, enter email | Password reset link sent | Email not received | **Fail (B002)** |

### ****2. Wallet Management Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC06 | View wallet balance | User logged in | Navigate to wallet tab | Correct balance displayed | As expected | Pass |
| TC07 | Deposit funds | User logged in | Enter amount, click deposit | Balance increases accordingly | As expected | Pass |
| TC08 | Withdraw funds exceeding balance | User logged in, low funds | Enter large amount, click withdraw | Error message displayed | Withdraw succeeds incorrectly | **Fail (B003)** |
| TC09 | Transaction history visibility | User performed transactions | Open history tab | All past transactions listed | As expected | Pass |

### ****3. Trading Operations Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC10 | Buy stock with sufficient balance | User logged in, funds available | Select stock, enter qty, click Buy | Trade executed successfully | As expected | Pass |
| TC11 | Buy crypto with insufficient balance | User logged in, low funds | Select crypto, click Buy | Error displayed | Error displayed after delay | **Fail (B004)** |
| TC12 | Sell existing stock | User owns stock | Select stock, click Sell | Stock sold successfully | As expected | Pass |
| TC13 | Portfolio updates after trade | Trade executed | Open portfolio tab | Updated holdings displayed | Update delayed by 3 seconds | **Fail (B005)** |

### ****4. Market Data Integration Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC14 | Fetch live crypto prices | API connected | Open markets tab | Real-time mock data shown | As expected | Pass |
| TC15 | API failure handling | Disconnect API | Refresh market tab | Fallback static data displayed | Blank screen shown | **Fail (B006)** |
| TC16 | Auto-refresh market data | Stable network | Wait 10 seconds | Prices auto-refresh | As expected | Pass |

### ****5. Admin Dashboard Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC17 | Admin login | Admin account exists | Enter admin credentials | Redirect to admin panel | As expected | Pass |
| TC18 | View all users list | Admin logged in | Open user management tab | List of users displayed | As expected | Pass |
| TC19 | Disable user account | Admin logged in | Select user, click disable | User access revoked | As expected | Pass |
| TC20 | Send notification to users | Admin logged in | Compose message, click send | Notification sent successfully | Email delivery failed | |  | | --- | | **Fail (B007)** | |

### ****6. UI/UX and Responsiveness Module****

| **Test ID** | **Description** | **Preconditions** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| TC20 | Responsive design check (Mobile) | Access via mobile browser | Resize window | Elements adjust properly | Some buttons misaligned | **Fail (B008)** |
| TC21 | Page navigation consistency | App loaded | Navigate between tabs | Smooth navigation | As expected | Pass |
| TC22 | Theme and color contrast | App loaded | Visually inspect interface | Clear readability | As expected | Pass |