Test Case Specifications and Documentation  
  
**Unit Testing**

1. **TC-01: User Registration with Valid Data**  
   **Description**: Ensure that a new user can successfully register with valid credentials.  
   **Input**: Username: "user1", Password: "password123".  
   **Expected Result**: User is successfully registered, and a confirmation message is shown.
2. **TC-02: User Registration with Duplicate Username**  
   **Description**: Validate that duplicate usernames are not allowed during registration.  
   **Input**: Username: "user1", Password: "password123".  
   **Expected Result**: Registration fails, and an error message like "Username already exists" is shown.
3. **TC-03: User Login with Valid Credentials**  
   **Description**: Ensure that a user can log in successfully with correct credentials.  
   **Input**: Username: "user1", Password: "password123".  
   **Expected Result**: User is logged in, and the dashboard is displayed.
4. **TC-04: Add Income Transaction**  
   **Description**: Validate that income transactions are added correctly.  
   **Input**: Type: "Income", Amount: 5000, Category: "Salary", Date: "2025-01-01".  
   **Expected Result**: Transaction is saved successfully, and the updated balance is shown.
5. **TC-05: Add Expense Transaction**  
   **Description**: Ensure that expense transactions are added correctly and deducted from the balance.  
   **Input**: Type: "Expense", Amount: 1000, Category: "Food", Date: "2025-01-01".  
   **Expected Result**: Transaction is saved successfully, and the updated balance is shown.