**Iteration 1 – Admin can create user**

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| Positive cases | | |
| **Name** | **Test steps** | **Expected results** |
| **Admin can create a user with valid username&password (UI-API integration)** | **Precondition:**   1. Admin logins | Dashboard opens |
| **Steps:**   1. Admin inputs valid username and pwd 2. Admin presses “Add user” button | * Message ✅ User created successfully! appears * User appears in “All users” list * API returns 201 * User was created in API |
| Negative cases | | |
| **UI-API integration** | | |
| **#1 Admin can NOT create a user with invalid username&password** | **Precondition:**   1. Admin logins | Dashboard opens |
| **Steps:**   1. Admin inputs invalid username, pwd 2. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * API returns 400 * User wasn’t created in API |
| **#2 Admin can NOT create a user with an existing username**  Error message in response, not in Json | **Precondition:**   1. Admin logins 2. Admin creates a user(user1) | Dashboard opens |
| **Steps:**   1. Admin input username of user1 and a valid pwd 2. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * API returns 400 * User wasn’t created in API |
| **UI component tests** | | |
| **#3 Admin can NOT create a user with an empty username & pwd (UI component test)** | **Precondition:**   1. Admin logins | Dashboard opens |
| **Steps:**   1. Admin doesn’t input anything in username and pwd fields 2. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * No requests to API |
| **#4 Admin can NOT create a user with an empty username & valid pwd (UI component test)** | **Precondition:**   1. Admin logins | Dashboard opens |
| **Steps:**   1. Admin doesn’t input anything in username field 2. Admin inputs correct pwd 3. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * No requests to API |
| **#5 Admin can NOT create a user with a valid username & empty pwd (UI component test)** | **Precondition:**   1. Admin logins | Dashboard opens |
| **Steps:**   1. Admin inputs correct username 2. Admin doesn’t input anything in pwd field 3. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * No requests to API |
| Complex scenario | | |
|  | **Steps:**   1. Admin logins 2. Admin inputs correct username & password 3. Admin presses “Add user” button | * Message ✅ User created successfully! appears * User appears in “All users” list * API returns 201 * User created in API |

**Iteration 2 – User can change their name**

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| Positive cases | | |
| **Name** | **Test steps** | **Expected results** |
| **User can change their name on valid one (UI-API integration)** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins | User dashboard is opened |
| **Steps:**   1. User opens “Edit profile” page 2. User inputs valid name 3. User presses “Save changes” button | * Message ✅ Name updated successfully! appears * User’s name in the page header is changed * API returns 201 * Users’ name changed in API |
| Negative cases | | |
| **UI-API integration** | | |
| **User can NOT change their name on invalid one (UI-API integration)** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins | User dashboard is opened |
| **Steps:**   1. User opens “Edit profile” page 2. User inputs invalid name 3. User presses “Save changes” button | * Message Name must contain two words with letters only appears * User’s name in the page header isn’t changed * API returns 400 * User name isn’t changed in API |
| **UI component tests** | | |
| **User can NOT change their name on an empty one (UI-API integration)** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins | User dashboard is opened |
| **Steps:**   1. User opens “Edit profile” page 2. User doesn’t input name 3. User presses “Save changes” button | * Message ❌ Please enter a valid name. appears * User’s name in the page header isn’t changed * API returns 400 * User name isn’t changed in API |
| Complex scenario | | |
|  | **Steps:**   1. Admin logins 2. Admin creates user 3. User logins 4. User opens Edit profile page 5. User changes their name to a valid one | * Message ✅ Name updated successfully! appears * User’s name in the page header is changed * API returns 201 * Users’ name changed in API |

**Iteration 2 – User can make a deposit**

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| Positive cases | | |
| **Name** | **Test steps** | **Expected results** |
| **User can deposit valid amount of money on their account** | **Preconditions:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account | Dashboard opens |
| **Steps:**   1. User opens “Deposit Money” page 2. User chooses an account 3. User enters valid amount 4. User presses “Deposit” button | * Message ✅ Successfully deposited $1 to account ACC3! * Users’ dashboard opens * API returns 200 * API returns response body with updated balance and DEPOSIT transaction with valid data * Balance amount updated correctly for the account in listbox “Choose an account” on Transfer and Deposit pages * Balance updated in API (customer/accounts) |
| Negative cases | | |
| **UI component test** | | |
| **User can NOT deposit NEGATIVE amount of money on their account** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account | Dashboard opens |
| **Steps:**   1. User opens “Deposit Money” page 2. User selects an account 3. User enters negative amount 4. User presses “Deposit” button | * Alert with a message ❌ Please enter a valid amount. appears * Balance amount isn’t changed for the account in listbox “Choose an account” on Transfer and Deposit pages * No requests were sent to API |
| **User can NOT deposit more than $5000 on their account** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account | Dashboard opens |
| **Steps:**   1. User opens “Deposit Money” page 2. User chooses an account 3. User enters an amount bigger than max allowed deposit($5001) 4. User presses “Deposit” button | * Alert ❌ Please deposit less or equal to 5000$. appears * Balance amount isn’t changed for the account in listbox “Choose an account” on Transfer and Deposit pages * No requests were sent to API |
| **User can NOT deposit money without choosing an account** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account | Dashboard opens |
| **Steps:**   1. User opens “Deposit Money” page 2. User Doesn’t choose an account 3. User enters correct amount of money 4. User presses “Deposit” button | * Alert ❌ Please select an account. appears * No were sent requests to API * Balance amount isn’t changed for the account in listbox “Choose an account” on Transfer and Deposit pages |
| **User can NOT deposit an empty amount of money on their account** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account | Dashboard opens |
| **Steps:**   1. User opens “Deposit Money” page 2. User chooses an account 3. User doesn’t enter anything in “Enter amount” field 4. User presses “Deposit” button | * Alert ❌ Please enter a valid amount. appears * User does not appear in “All users” list * No requests to API |
|  | **Precondition:**  Admin logins | Dashboard opens |
| **Steps:**   1. Admin inputs correct username 2. Admin doesn’t input anything in pwd field 3. Admin presses “Add user” button | * Alert with a relevant error appears * User does not appear in “All users” list * No requests to API |
| Complex scenario | | |
|  | **Preconditions:**   1. Admin logins 2. Admin creates user 3. User logins 4. User creates an account 5. User opens “Deposit Money” page 6. User chooses an account 7. User enters valid amount 8. User presses “Deposit” button | * Message ✅ Successfully deposited $1 to account ACC3! * Users’ dashboard opens * API returns 200 * API returns response body with updated balance and DEPOSIT transaction with valid data * Balance amount updated correctly for the account in listbox “Choose an account” on Transfer and Deposit pages * Balance updated in API (customer/accounts) |

**Iteration 2 – User can make a transfer**

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| Positive cases | | |
| **Name** | **Test steps** | **Expected results** |
| **User can make a transfer** | **Preconditions:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens “Make a transfer” page 2. User chooses acc1 3. User inputs correct recipient name (their own) 4. User inputs correct recipient account number 5. User inputs correct amount 6. User sets checkbox “Confirm details are correct” 7. User presses “send Transfer” button | * Message ✅ ✅ Successfully transferred $50 to account ACC1! * Fields – name, account and amount are empty, checkbox is unchecked * Balances updated for both accounts on Transfers and Deposit pages * API returns 200 * API return correct response body * API: Transaction appears for both accounts (IN and OUT) * API: balances updated for both accounts |
| Negative cases | | |
| **UI component test** | | |
| **#1 Use can NOT send a transfer w/o choosing a sender account** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields except “Select Your Account:” 3. User checks confirmation check-box 4. User presses “Send transfer” button | * Alert with a message “Please fill all fields and confirm” appears * No requests are sent to API * All filled fields store their data |
| **#2 User can NOT send a transfer with an empty recipient account number** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields except of Recipient Account Number 3. User checks confirmation check-box 4. User presses “Send transfer” button | * Alert with Please fill all fields and confirm appears * No requests are sent to API * All filled fields store their data |
| **#3 User can NOT send a transfer with an empty amount value** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields except of Amount 3. User checks confirmation check-box 4. User presses “Send transfer” button | * Alert with Please fill all fields and confirm appears * No requests are sent to API * All filled fields store their data |
| **#4 User can NOT send a transfer without check “Confirm details are correct” checkbox** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields with correct data 3. User Doesn’t check confirmation check-box 4. User presses “Send transfer” button | * Alert with Please fill all fields and confirm appears * No requests are sent to API * All filled fields store their data |
| **UI-API integration** | | |
| **#1 User can NOT transfer money if recipient name is incorrect or empty** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields with correct data except “Recipient name” 3. User checks confirmation check-box 4. User presses “Send transfer” button | * Alert with a The recipient name does not match the registered name message appears * API request to “admin/users” returns 200 * No API requests to “/transfer” are being sent |
| **#2 User can no transfer money to an empty or nonexisting user** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields with correct data except “Recipient name” 3. User checks confirmation check-box 4. User presses “Send transfer” button | * Alert ❌ No user found with this account number message appears * User does not appear in “All users” list * No requests to API |
| **#3 User can NOT transfer invalid amount of money** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 | User dashboard opens |
| **Steps:**   1. User opens Transfer page 2. User fills all the fields with correct data except of Amount field 3. User inputs -1 value into Amount field 4. User checks confirmation checkbox 5. User presses “Send transfer” button | * Aler with a message “❌ Error: Invalid transfer: insufficient funds or invalid accounts” appears * API returns 400 * Balances in GUI aren’t changes * API: No any transaction appears for both accounts (IN and OUT) * API: Balances for both accs aren’t changes |
| **#4 User can NOT transfer amount >10000** | **Precondition:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 8. **User makes Deposit 5000 into acc1** 9. **User makes one more Deposit of 5000 into acc1** | User dashboard opens |
| **Steps**:   1. User opens Transfer page 2. User fills all the fields with correct data except of Amount field 3. User inputs 10000.01 value into Amount field 4. User checks confirmation checkbox 5. User presses “Send transfer” button | * Alert with a message Error: Transfer amount cannot exceed 10000 appears * API returns 400 * Balances in GUI aren’t changes * API: No transaction appears for both accounts (IN and OUT) * API: Balances for both accs aren’t changes |
| **Complex scenario** | | |
| **User can make a transfer** | **Steps:**   1. Admin logins 2. Admin creates user 3. User logins 4. User changed their name 5. User creates an account(acc1) 6. User creates another account(acc2) 7. User makes Deposit 5000 into acc1 8. User opens “Make a transfer” page 9. User chooses acc1 10. User inputs correct recipient name (their own) 11. User inputs correct recipient account number 12. User inputs correct amount 13. User sets checkbox “Confirm details are correct” 14. User presses “send Transfer” button | * Message ✅ ✅ Successfully transferred $50 to account ACC1! * Fields – name, account and amount are empty, checkbox is unchecked * Balances updated for both accounts on Transfers and Deposit pages * API returns 200 * API return correct response body * API: Transaction appears for both accounts (IN and OUT) * API: balances updated for both accounts |