**Перший рівень.**

1. Створи високорівневий тест-кейс для перевірки функціоналу мобільного застосунка (наприклад, Дія або МоноБанк).

| **Test Case ID** | TOF-1 | **Test Case Description** | Transferring funds from a credit card | | |
| --- | --- | --- | --- | --- | --- |
| **Created By** | Vasilisa | **Reviewed By** | — | **Version** | IOS 16.3.1 |
| **Tester’s Name** | Vasilisa | **Date Tested** | 11.03.2023 | **Test Case (Pass/Fail/Not Executed)** | Not Executed |

| **S №** | Prerequisites: |
| --- | --- |
| **1** | MonoBank user is logged in |

| **Step №** | **Step Details** | **Actual Result** | **Pass/Fail/Not Executed/Suspended** |
| --- | --- | --- | --- |
| **1** | Transfer funds to an existing card | The transfer of funds was successful | Pass |
| **2** | Transfer of funds to a non-existent card | The transfer was unsuccessful | Pass |
| **3** | Transferring funds to an existing card with a zero balance | The transfer was unsuccessful | Pass |

2. Створи 3 низькорівневі тест-кейси на основі високорівневого.

| **Test Scenario ID** | Transfer of funds-1 | **Test Case ID** | Transfer of funds-1а |
| --- | --- | --- | --- |
| **Test Case Description** | Transfer of funds Positive test case | **Test Priority** | Highest |
| **PreRequisite** | Registered user of MonoBank | **Post-Requisite** | NA |

**Test Execution Steps:**

| **S.№** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test IOS Version** | **Test Result** | **Test comments** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | launch mobile application | https://apps.apple.com/ru/app/apple-store/id1287005205?l=uk | MonoBank home page | MonoBank home page | 16.3.1 | Pass | Launch successful |
| 2 | On the main page, click the "Transfer to card" button |  | A new page opens with a field for entering card details, phone number, or name | A new page opens with a field for entering card details, phone number, or name | 16.3.1 | Pass | Transition to the "Transfer to card" section is successful |
| 3 | In the "Transfer to card" section, in the field for entering the card number, enter the registered card number | Card number: 5163 4357 1298 8767 | A new page opens with a numeric keypad for entering the amount of the transfer | A new page opens with a numeric keypad for entering the amount of the transfer | 16.3.1 | Pass | a new page with a numeric keypad for entering the amount of the transfer has been opened successfully |
| 4 | After entering the amount of the transfer, click the "Send" button | the amount of the transfer is 50 UAH | The page with the inscription "Your transfer was successfully completed" opens | The page with the inscription "Your transfer was successfully completed" opens | 16.3.1 | Pass | The page with the message "Your transfer was successfully completed" opened successfully |

| **Test Scenario ID** | Transfer of funds-2 | **Test Case ID** | Transfer of funds-1b |
| --- | --- | --- | --- |
| **Test Case Description** | Transfer of funds Negative test case | **Test Priority** | Highest |
| **PreRequisite** | Registered user of MonoBank | **Post-Requisite** | NA |

**Test Execution Steps:**

| **S.№** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test IOS Version** | **Test Result** | **Test comments** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | launch mobile application | https://apps.apple.com/ru/app/apple-store/id1287005205?l=uk | MonoBank home page | MonoBank home page | 16.3.1 | Pass | Launch successful |
| 2 | On the main page, click the "Transfer to card" button |  | A new page opens with a field for entering card details, phone number, or name | A new page opens with a field for entering card details, phone number, or name | 16.3.1 | Pass | Transition to the "Transfer to card" section is successful |
| 3 | In the "Transfer to card" section, in the field for entering the card number, enter an unregistered card number | Use a random non-existent card number | If you enter a non-existent card number, the message "Invalid card number" appears on the page | If you enter a non-existent card number, the pop-up message "Invalid card number" appears on the page | 16.3.1 | Pass | Transfer to a non-existent card failed |

| **Test Scenario ID** | Transfer of funds-3 | **Test Case ID** | Transfer of funds-1с |
| --- | --- | --- | --- |
| **Test Case Description** | Transfer of funds Negative test case | **Test Priority** | Highest |
| **PreRequisite** | Registered user of MonoBank | **Post-Requisite** | NA |

**Test Execution Steps:**

| **S.№** | **Action** | **Inputs** | **Expected Outputs** | **Actual Outputs** | **Test IOS Version** | **Test Result** | **Test comments** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | launch mobile application | https://apps.apple.com/ru/app/apple-store/id1287005205?l=uk | MonoBank home page | MonoBank home page | 16.3.1 | Pass | Launch successfu |
| 2 | On the main page, click the "Transfer to card" button |  | A new page opens with a field for entering card details, phone number, or name | A new page opens with a field for entering card details, phone number, or name | 16.3.1 | Pass | Transition to the "Transfer to card" section is successful |
| 3 | In the "Transfer to card" section, in the field for entering the card number, enter the registered card number | Card number: 5163 4357 1298 8767 | A new page opens with a numeric keypad for entering the amount of the transfer | A new page opens with a numeric keypad for entering the amount of the transfer | 16.3.1 | Pass | a new page with a numeric keypad for entering the amount of the transfer has been opened successfully |
| 4 | Enter the transfer amount in the field | the amount of the transfer is 50 UAH | If your balance is less than 50 UAH, a pop-up message "Insufficient funds on the card" will appear | The pop-up message "Insufficient funds on the card" appears | 16.3.1 | Pass | the pop-up message "Insufficient funds on the card" appeared successfully |

**Другий рівень.**

1. Проестимуй, скільки часу знадобиться для виконання тест-кейсів з попереднього завдання.

Для виконання трьох вищеперелічених тест-кейсів знадобиться часу:

1. Перший тест-кейс ≈ 25 хвилин
2. Другий тест-кейс ≈ 30 хвилин
3. Третій тест-кейс ≈ 20 хвилин

2. Для оцінки використай як мінімум 2 техніки (наприклад, WBS та трьохточкову естимацію).

**Трьохточкова естимація:**

E = (a + m + b) / 3.

**Де:**

E - Estimated cost (оцінка часу)

a - Optimistic value (найліпше значення)

m - Most likely value (реалістичне значення)

b - Pessimistic Value (найгірше значення)

E = (2+3+5) / 3

E = 10 / 3

E = 3 години 30 хвилин

**WBS естимація:**

Для того щоб провести WBS естимацію, необхідно розбити основну задачу на декілька більш простих, з цього виходить:

1. Написання першого низькорівневого тест-кейсу

Оцінка часу: 40 хвилин

Проходження першого низькорівневого тест-кейсу

Оцінка часу: 20 хвилин

1. Написання другого низькорівневого тест-кейсу

Оцінка часу: 40 хвилин

Проходження другого низькорівневого тест-кейсу

Оцінка часу: 20 хвилин

1. Написання третього низькорівневого тест-кейсу

Оцінка часу: 40 хвилин

Проходження другого низькорівневого тест-кейсу

Оцінка часу: 20 хвилин

Сумарна кількість часу на виконання: 3 години