**Beet Seed**

**High-level test case (Monobank)**

| **ID** | **Name/Functionality** | **Samsung Galaxy S21 (Android 14, One UI 6.1)** | **iPhone 14 (iOS 18.2)** |
| --- | --- | --- | --- |
| ID\_0001 | Transfer money feature from the main account in the “Monobank” app | Passed | Passed |

**Low-level test case (Monobank)**

| **ID** | **Summary** | **Pre-Conditions** | **STR** | **ER** |
| --- | --- | --- | --- | --- |
| **TC-1** | Transferring money from the main account (“White” card) to the second account (“Black” card) within one user. | 1. The “Біла” card is created and contains an amount of 300 UAH.  2. The “Чорна” card is empty, opened, and displayed in the app. | 1. Open the “Monobank” app. | The “Уведіть ПІН-код” section is displayed. |
| 2. Enter an app’s password in the “Уведіть ПІН-код” section.  Test data: 1177. | The password is accepted. The main section with the “Біла” card is displayed. |
| 3. Swipe right to display a “Чорна” card and tap on the “+” symbol before an amount. | The “Чорна” card is selected. The “Спосіб поповнення” section is displayed. |
| 4. Select the “З білої карти” feature in the “Мої карти” section. | The “З білої карти” menu is opened. A balance with the 300 UAH sum and a keyboard is displayed. |
| 5. Set the sum to transfer from the “Біла” card to the “Чорна” one and tap on the “Поповнити” button.  Test data: 100 UAH. | The “Платіж відправлено. 100 ₴ на карту **Моя чорна іменна картка**” message is displayed. |
| 6. Tap on the “Готово” button and take a look at the amount of the “Чорна” card. | The transfer is confirmed. The amount is changed to 200 UAH. The 100 UAH is credited to the “Чорна” card. |
| **TC-2** | Transferring money from the main account (“White” card) to the outside/another account by adding a cardholder number. | 1. The “Monobank” app is opened. 2. The password is entered.  3. The main section with the “Біла” card is displayed.  4. The “Біла” card is created and contains an amount of 200 UAH. | 1. Tap on the “Переказати на карту” button. | The “Переказати на карту” section is opened. |
| 2. Tap on the “Уведіть ім’я, номер картки або телефон” field and add the cardholder number.  Test data: 4444 1234 4567 6789. | The carriage icon is blinking and the keyboard is displayed.  The “Створити платіж” button is active. |
| 3. Tap on the “Створити платіж” button. | The transfer menu is opened. A balance with the 200 UAH sum and a keyboard is displayed. |
| 4. Set the sum to transfer from the “Біла” card to the “**4444 1234 4567 6789**” one and tap on the “Надіслати” button.  Test data: 100 UAH. | The “Платіж відправлено. 100 ₴ на карту “**4444 1234 4567 6789**” message is displayed. |
| 5. Tap on the “Готово” button and take a look at the amount of the “Біла” card. | The transfer is confirmed. The amount is changed to 100 UAH. The 100 UAH is credited to the “**4444 1234 4567 6789**” card. |
| **TC-3** | Transferring money from the main account (“White” card) to the outside/another account via IBAN. | 1. The “Monobank” app is opened. 2. The password is entered.  3. The main section with the “Біла” card is displayed.  4. The “Біла” card is created and contains an amount of 100 UAH. | 1. Tap on the “Платіж за IBAN” button. | The “Платіж за IBAN” section is opened. |
| 2. Tap on the “Уведіть IBAN, ім’я або назву компанії” field and add the IBAN.  Test data: UA012345678901234567890123456. | The carriage icon is blinking and the keyboard is displayed.  The “Створити платіж” button is active. |
| 3. Tap on the “Створити платіж” button. | The transfer menu is opened. A balance with the 100 UAH sum and a keyboard is displayed. |
| 4. Set the sum to transfer from the “Біла” card to the “Рога & Копыта. UA012345678901234567890123456” one, fill in the purpose of the payment field, and tap on the “Надіслати” button.  Test data: 100 UAH; Purpose of payment: Education. | The “Платіж відправлено. 100 ₴ на карту “**Рога & Копыта. UA012345678901234567890123456**” message is displayed. |
| 5. Tap on the “Готово” button and take a look at the amount of the “Біла” card. | The transfer is confirmed. The amount is changed to 0 UAH. The 100 UAH is credited to the “**Рога & Копыта. UA012345678901234567890123456**” account. |

**Beet Sprout**

**Work Breakdown Structure (WBS)** подход можно применить для оценки высокоуровневого “Transfer money feature from the main account in the “Monobank” app” тест кейса методом декомпозиции сложного функционала на более мелкие (ТС-1, ТС-2, ТС-3), чтобы более точно оценить время, которое потребуется тестировщику для проверки данного функционала. Исходя из декомпозиции и опыта на предыдущих проектах для теста потребуется **1 тестировщик** и **60 минут** времени (**50 минут** основного времени + **20%** риски заложенные на форс-мажорные обстоятельства), чтобы покрыть данные тестовые случаи.

**Three-Point estimation (метод 3-х точек)** подход позволит нам оценить данный функционал с точки зрения всех (оптимального, реального и негативного) сценария. По сути, техника основана на рисках и учитывает различные вариации развития событий. Вычисляется по формуле: **E = (a + m + b) / 3**, где **Е** – оценка времени, **а** – оптимистичное значение (в нашем случае в минутах), **m** – реальное значение (в минутах), **b** – пессимистическое значение (в минутах).

**TC-1:** (7+13+16)/3 = **12 минут**.

**ТС-2:** (9+15+18)/3 = **14 минут**.

**ТС-3:** (11+19+25)/3 ≈ **18 минут**.

Отсюда следует вывод, что для проверки высокоуровневого “Transfer money feature from the main account in the “Monobank” app” тест-кейса потребуется около **54 минут**.