**Use Case “Deduct money”**

1. **Use case code:**

**2. Brief Description:**

This use case can be included whenever the software need to deduct an amount of money from user by using the interbank API

**3. Actors:**

**3.1 Customer**

**4. Preconditions:**

None

**5. Basic Flow of Events:**

Step 1. The software calls check account API

Step 2. The interbank return the balance on the customer’s credit card

Step 3. The software compares amount of money need to deduct with the balance

Step 4. The software call “deduct money” API

Step 5. The interbank deduct money from customer’s account

Step 6. The software returns status of transactions

**6. Alternative flows:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Location | Doer | Condition | Action | Resume Location |
| Step 2 of basic flow | Interbank | Interbank Error | Sends the failure message to Software | The use case ends |
| Step 3 of Basic Flow | Interbank | Not enough money for renting | Sends the failure message to software | The use case ends |
| Step 5 of Basic Flow | Interbank | Interbank Error | Sends the failure message to software | The use case ends |

**7. Input data:**

Table 1- Input data for calling deduct money API

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data Fields** | **Description** | **Mandatory** | **Valid condition** |
| 1. | Current balance |  | * Yes | Must not contain words |
| 2. | Account number |  | * Yes | Must not contain words |
| 3. | Bank’s name | Choose from a list | * Yes |  |

**8. Output data:**

Table 1- Output data from calling deduct money API

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1 | Owner’s balance | Balance | * Number, separated comma for big number | 2,000,000 VND |
| 2 | deduct amount | Amount of deducted money | * Number, separated comma for big number | 2,000,000  VND |
| 3 | Transaction status | status | * Success or failed | Successfully transaction |
| 4 | Card’s owner information( owner’s name, …) | Information of card’s owner | * Words | 12310243324  Nguyen Trung Nghia |

**9. Post-conditions:**

None