**Use Case Pay Deposit**

1. **Use case code**

* UC00X

1. **Brief description:**

* This use case describes the interaction between customer, interbank and EcoBike application when customer proceeds to deposit when renting a bike from the system

1. **Actor:**

* Customer
* Interbank

1. **Preconditions:**

* Customer has already chosen a bike to rent
* The device the event takes place has internet connection

1. **Basic Flow of Event:**
   1. Customer chooses a payment method for the transaction
   2. Customer provides card information and transaction content
   3. EcoBike app checks the input
   4. EcoBike app calculates the deposit
   5. Customer confirms the transaction
   6. EcoBike app sends request to deducts money from customer’s credit card
   7. Interbank deducts money from customer’s credit card
   8. EcoBike app saves the transaction information
   9. EcoBike app sends transaction information to the customer
2. **Alternative flows:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Conditions** | **Actions** | **Resume location** |
| 1 | Any time before step 4 | Customer quits the depositing process | EcoBike app asks for confirmation |  |
| 1a |  | Customer accepts to quit | EcoBike app displays renting page |  |
| 1b |  | Customer refuses to quit | EcoBike app shows current page | At step where the event happens |
| 2 | At step 3 | Customer lefts mandatory field blank | EcoBike app requires user to fill all the mandatory field | At step 2 |
| 3 | At step 3 | Customer’s inputs is in wrong format | EcoBike app requires user to refill the fields | At step 2 |
| 4 | At step 7 | The card information is invalid | EcoBike app notifies that the card information is invalid | At step 2 |
| 5 | At step 7 | The balance is not enough | EcoBike app notifies that the balance is not enough | At step 2 |

Table 1. Alternative flow of Deposit use case

1. **Input data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** |
| 1. | Card holder name |  | Yes |  | PHAM THANH BIEN |
| 2. | Card number |  | Yes |  | 1457 8567 4617 7940 |
| 3. | Expiration date |  | Yes | Consist of month and last 2 digits of year only | 09/25 |
| 4. | Security code |  | Yes |  | 341 |

Table 2. Input data of card information

1. **Output data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Payer |  | * Right alignment | PHAM THANH BIEN |
| 2. | Payee |  | * Right alignment | VietinBank |
| 3. | Amount |  | * Comma separator | 700,000 |

Table 3. Output data of transaction information

1. **Post conditions**

* User successfully deposits the bike