**Use Case Deposit**

1. **Use case code**

* UC00X

1. **Brief description:**

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

1. **Actor:**

* User
* Interbank

1. **Preconditions:**

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Conditions** | **Actions** | **Resume location** |
| 1 | Any time before step 4 | User quits the depositing process | EcoBikeRental app asks for confirmation |  |
| 1a |  | User accepts to quit | EcoBikeRental app displays renting page |  |
| 1b |  | User refuses to quit | EcoBikeRental app shows current page | At step where the event happens |
| 2 | At step 3 | User lefts mandatory field blank | EcoBikeRental app requires user to fill all the mandatory field | At step 2 |
| 3 | At step 3 | User’s inputs is in wrong format | EcoBikeRental app requires user to refill the fields | At step 2 |
| 4 | At step 7 | The card information is invalid | EcoBkieRental app notifies that the card information is invalid | At step 2 |
| 5 | At step 7 | The balance is not enough | EcoBikeRental 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 |  | NGUYEN THANH LONG |
| 2. | Card number |  | Yes |  | 1231 4561 7891 1111 |
| 3. | Expiration date |  | Yes | Consist of month and last 2 digits of year only | 01/23 |
| 4. | Security code |  | Yes |  | 123 |

Table 2. Input data of card information

1. **Output data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Payer |  | * Right alignment | NGUYEN THANH LONG |
| 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