Use Case “Pay for Rental Time”

# Use case code

UC-DE06

# Brief Description

This use case describes the interaction between the EcoBike software with the customer and the Interbank when the customer pays for the rental time

1. **Actor**
   1. Customer
   2. Eco-Bike software
   3. Interbank

# Preconditions

* There is Internet connection
* The software has returned exchange successfully

# Basic Flow of Events

1. The software calculates the rental fee
2. The software asks the bank to pay the fee
3. The interbank processes the transaction
4. The software saves the transaction info
5. The software displays the successful transaction notification (see Table B)
6. The software sends an emails of transaction info to the customer

# Alternative Flows

*Table A – Alternative flows of events for “Pay for Rental Bike”*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Location | Condition | Action | Resume location |
| 1 | At step 3 | The balance is not enough | The software notifies that the balance is not enough | Step 2 |

# Input data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1 | Card Holder Name | Name of Card Owner | -Text | VU THANH HAI |
| 2 | Card Number |  | -Text | 987152\_group06\_2020 |
| 3 | Issuing Bank |  | -Text | VietTTinBank |
| 4 | Expiration date |  | -Date | 23/12/2026 |
| 5 | Security Code |  | -Text | 123456 |
| 6 | Transaction description |  | -Text |  |

# Output data

*Table B – Output data of transaction notification*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1 | Invoice ID |  | - Number | 1 |
| 2 | Time issued |  | -Time | 5:30 16-12-2022 |
| 3 | Rent ID |  | - Number | 2 |
| 4 | Bike Name |  | -Text | Ebike-01 |
| 5 | Bike Type |  | -Text | EBike |
| 6 | Total rent time |  | - Number | 2 |
| 7 | Exchange ID |  | - Number | 3 |
| 8 | Exchange amount |  | - Float  - Dot as decimal separator  - 2 digits after decimal separator  - along with currency | 20000.00 VND |
| 9 | Rental Payment ID |  | - Number | 4 |
| 10 | Rental Payment Amount |  | - Float  - Dot as decimal separator  - 2 digits after decimal separator  - along with currency | 10000.00 VND |
| 11 | Total | Total amount of money corresponding the rental time interval | - Float  - Dot as decimal separator  - 2 digits after decimal separator  - along with currency | 20000.00 VND |

# Postconditions

No need