**Use Case “Return a bike”**

1. **Use case code**

UC0010

1. **Brief Description**

This use case describes the interactions between User and EBR software when User wishes to return a bike.

1. **Actors**
   1. **User**
2. **Preconditions**

**4.1 User rented a bike**

1. **Basic Flow of Events**

Step 1. User requests to return a bike

Step 2. EBR software requests user to choose a dock to return bike

Step 3. EBR software Summarizes session information, calculates rental fee, calculates excess money and notifies to User

Step 4. User confirms information

Step 5. EBR software closes the user’s renting session

Step 6. EBR software calls Use case “Refund deposit after deducting rental fee”

Step 7. EBR software returns home screen

1. **Alternative flows**

*Table 1 - Alternative flow of events for UC “Name of the Use Case”*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Location | Condition | Action | Resume location |
| 1 | At step 6 | Transaction fail | Notifies transaction fail | End use case |

1. **Input data**
2. **Output data**

*Table 3 - Output data of …*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1 | End time | Ending time of the User’s renting session | hh : mm  DD/MM/YY | 12:20  10/10/2020 |
| 2 | Usage time |  | . A number of minutes usage | 120 |
| 3 | Total fees |  | . Comma for thousands separator  . Positive integer  . Right alignment | 123,000 |
| 4 | Returned | deposit after deducting rental fee | . Comma for thousands separator  . Positive integer  . Right alignment | 100,000 |

1. **Postconditions**