**Use Case Rent Bike**

1. **Use case code**

* UC00X

1. **Brief description:**

* This use case describes the interaction between customer and EcoBike application when customer wants to rent a bike from the system

1. **Actor:**

* Customer

1. **Preconditions:**
2. **Customer**

* Successfully logged in to the system

1. **Basic Flow of Event:**
   1. Customer scans the barcode on the lock using EcoBike app
   2. EcoBike app shows bike information, including:
   3. The customer chooses to deposit
   4. EcoBike app calls "DEPOSIT" use case
   5. The lock is automatically opened, allowing customer to use the bike
   6. EcoBike app starts counting the rental time
2. **Alternative flows:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Conditions** | **Actions** | **Resume location** |
| 1 | Any time before step 3 | Customer quits the renting process | EcoBike asks for confirmation |  |
| 1a |  | Customer accepts to quit | EcoBike displays main page |  |
| 1b |  | Customer refuses to quit | EcoBike shows current page | At step where the event happens |

Table 1. Alternative flow of Rent A Bike use case

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data fields** | **Description** | **Display format** | **Example** |
| 1. | Name |  | * Right alignment | PHAM THANH BIEN |
| 2. | Bike type |  | * Right alignment | Electric bike |
| 3. | License plate |  | * XX-XX111.11 * Right alignment | 39-D1547.59 |
| 4. | Bike image |  |  |  |
| 5. | Bike status |  | * Right alignment | free |
| 6. | Current battery percentage | Current battery of the bike | * Positive integer * Follow by % * Right alignment | 50% |

Table 1. Output data of displaying bike information

1. **Post conditions**

* Customer successfully rent a bike