**Use Case Rent a Bike**

1. **Use case code**

* UC00X

1. **Brief description:**

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

1. **Actor:**

* User

1. **Preconditions:**

* User successfully logged in to the system

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Conditions** | **Actions** | **Resume location** |
| 1 | Any time before step 3 | User quits the renting process | EcoBikeRental asks for confirmation |  |
| 1a |  | User accepts to quit | EcoBikeRental displays main page |  |
| 1b |  | User refuses to quit | EcoBikeRental 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 | NGUYEN THANH LONG |
| 2. | Bike type |  | * Right alignment | Electric bike |
| 3. | License plate |  | * XX-XX111.11 * Right alignment | 29-D1371.68 |
| 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**

* User successfully rent a bike