**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. System shows bike information, including:
      * Bike type
      * License plate
      * Current battery
   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
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. | Type | Type of the bike | * Right alignment | Electric bike |
| 2. | License plate |  | * XX-XX111.11 * Right alignment | 29-D1371.68 |
| 3. | 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