

## Use Case “View Bike Information”

### 1. Use case code

UC002

### 2. Brief description

UC “View Bike Information” allows users to see all the information of each bike they’re renting, including bike type, renting time, the amount to be paid up to now, and bike status (e.g current battery percentage of e-bike).

### 3. Actor

3.1 Customer

### 4. Preconditions

Successfully login

### 5. Basic flow of events

Step 1: Customer use the app to see information of bikes in rental

Step 2: Software check the user’s rental details and collect the bike information in database

Step 3: Software display the view of bike information currently rented by the user

### 6. Alternative flows

| No | Location  | Condition   | Action  | Resume location |
|----|-----------|---|---|-----------------|
| 1. | At Step 2 | in case of failed querying, notify to the user, end of use case | • The software notify for the error to the user | End of use case |

### 7. Input data

| No | Data Fields | Description             | Mandatory | Valid condition | Example |
|----|-------------|-------------------------|-----------|-----------------|---------|
| 1. | Userid      | Unique id for each user | Yes       |                 | 11037   |

### 8. Output data

| No | Data fields  | Description  | Display format | Example |
|----|--------------|--------------|----------------|---------|
| 1  | Bike type    | Type         | • Code         | 1/2/3   |
| 2  | Renting time | Renting time | • Time         | 4m20s   |

|   |                                     |         |  |      |
|---|-------------------------------------|---------|--|------|
| 3 | Current amount to be paid           | Money   | <ul style="list-style-type: none"> <li>• Currency</li> </ul>   | 69\$ |
| 4 | Current amount of battery (e-bikes) | Battery | <ul style="list-style-type: none"> <li>• Percentage</li> </ul> | 69%  |

## 9. Postconditions