**Use case “View Bike in Station”**

1. **Use case code**

UC004

1. **Brief Description**

This use case describes the interactions between the EcoBikeRental software with the customer when customer view bike in station.

1. **Actors**

**3.1 Customer**

1. **Preconditions**

* No

1. **Basic Flow of Events**
2. System displays the location of customer and the location of nearby station on a map.
3. Customer select one station on a map or search name of station.
4. System checks if the name of station exists or doesn’t exist.
5. System displays station’s information.
6. Customer view information of bike in station.
7. **Alternative flows**

*Table 1 - Alternative flows of events for UC View bike in station.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Location** | **Condition** | **Action** | **Resume location** |
| 1. | At step 3 | If station’s name doesn’t exist | * System error message: station doesn’t exist | At Step 2 |
| 2. | At step 5 | If this bike is a standard  e-bike | * System displays e-bike’s battery percentage and estimates how much time left | Use case finish |

1. **Input data**

*Table 2 -Input data of station’s name.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data fields | Description | Mandatory | Valid condition | Example |
| 1. | Station’s Name |  | No | It is same name with station’s name in database | Zone A |

1. **Output data**

*Table 3-Output data of station information*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Data fields | Description | Display format | Example |
| 1. | Station’s name |  | String | Zone A |
| 2. | Address | Location of station | String | Lobby A Building,120 Ecopark |
| 3. | Area |  | Number with  sign | 500 |
| 4. | Number of available bikes |  | Number | 30 |
| 5. | Number of station points |  | Number | 30 |
| 6. | Distance | Distance from customer’s location to this station | Number with  sign | 350m |
| 7. | Walking Time | Walking time from customer’s location to this station | Time String | 5 minutes |

1. **Postcondition**

* No.