**USECASE SPECIFICATIONS FOR USECASE “VIEW BIKE”**

1. **Usecase Code:** **UC-20X**
2. **Brief description**

This usecase describe interaction between Customer and EcoBike application when he wants to view information of bikes in the dock

1. **Actors**

* Customer

1. **Preconditions**

* Customer has entered the application successfully

1. **Basic flow of events**

**Step 1:** Customer chooses a dock to display information

**Step 2:** EcoBike display list of bikes available in dock

**Step 3:** Customer choose a specific bike to view information

**Step 4:** EcoBike displays detail information about the bike and options for using the bikes

1. **Alternative flows of events**

**Table: Alternative flow of “View bike” usecase**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Location** | **Conditions** | **Actions** | **Resume Location** |
| 1 | Step 2 | Customer searches for a specific bike | - Customer selects to search for a specific bike by name, ID or license plate  - Customer enters information to search |  |
| 1a |  | No bike matches the given search criteria | - EcoBike show errors notification | 3 |
| 1b |  | There is a bike matches given search criteria | - EcoBike fetches matched data and display results | 3 |

1. **Activity diagram**

**Diagram

Description automatically generated**

1. **Output data**

**Table: Output data for displaying bike list**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data field** | **Description** | **Display format** | **Example** |
| 1 | Bike name | Name of the bike | - String  - All caps | THONG NHAT BIKE |
| 2 | Image of the bike |  | Image |  |
| 3 | Type of the bike | The type of the bike | - String | EBike, NormalBike |
| 4 | Distance estimation | Distance estimated that the bike can go with current battery | - Number along with string ‘km’ | 100 km |

**Table: Output data for displaying bike information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Data field** | **Description** | **Display format** | **Example** |
| 1 | Bike name | Name of the bike | - String  - All caps | THONG NHAT BIKE |
| 2 | Bike type | Type of the bike | String | Normal bike |
| 3 | Bike status | The current status of the current bike | - String | FREE, RENT |
| 4 | Image of the bike |  | Image |  |
| 5 | Location | Name of the Dock | - String | Dong Mac Station |
| 6 | Rental price | The price to rent the bike | - Float  - Dot as decimal separator  - 2 digits after decimal separator  - along with currency | 12.00 VND |
| 7 | Current battery | Current status of the battery; only for the Ebike type | - Percentage  - Integer | 60% |
| 8 | Distance estimated | The distance the bike can go with current battery | - Number along with ‘km’ | 100 km |
| 9 | Deposit | The deposit customers have to pay to rent bike | - Float  - Dot as decimal separator  - 2 digits after decimal separator  - along with currency | 15000.00 VND |