**USE CASE “View Dock”**

# Use Case code

UC001

# Brief Description

This use case describes the interaction between User and EcoBikeRental when User wishes to view a dock and its information

# Actors

User

# Preconditions

1. Basic flow of events

Step 1: User opens the BikeRental application

Step 2: The BikeRental application displays the list of docks and their information

Step 3: The user selects a dock from the displayed list

Step 4: The The BikeRental application displays the Dock’s information and all the bike available in that dock.

Alternative flows

*Table A - Alternative flows of events for UC Rent Bike*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Point | Condition | Action | Resuming point |
| 1 | Step 2 | User uses search bar to search for a dock | The BikeRental application displays all docks with matching keywords | Step 3 |
| 2 | Step 4 | User click “Return” button | The BikeRental application displays the dock list | Step 1 |

# Input data

1. Output data

*Table B - Home screen*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data field | Description | Required | Valid condition | Example |
| 1 | name | Dock name | yes |  | TRAN DAI NGHIA |
| 2 | address | Dock address | yes |  | Tran Dai Nghia, Ha Noi |
| 3 | number of available bikes | Number of available bikes | yes |  | 69 |
| 4 | number of empty points | Number of empty docking points | yes |  | 69 |

*Table A – View Dock Screen*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Data field | Description | Required | Valid condition | Example |
| 1 | Dock name | Name of each dock | yes |  | TRAN DAI NGHIA |
| 2 | BikeID | ID of each bike in the dock | yes |  | 1 |
| 3 | BarCode | Barcode of the lock locking the bike | Yes |  | 4027402-481-284 |
| 4 | LicensePlate | License plate of the bike | Yes |  | 1234678 |
| 5 | Bike Type | Type of the bike | Yes |  | Standard\_bike |

# Post conditions