

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

Table 1 - Alternative flow of events for UC View Bike Information

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

Table 2 - Input data of UC View Bike Information

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

8. Output data

Table 3 - Output data of UC View Bike Information

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	• Currency	69\$
4	Current amount of battery (e-bikes)	Battery	• Percentage	69%

9. Postconditions