Use Case "Return bike"

1. Code

2. Brief Description

"Return bike" use case describes the interation between users and the software when returning a bike after reting it.

3. Actors

3.1. Users

3.2. Software

3.3. Interbank

4. Pre-conditions

None

5. Flow of events

5.1. Main flow of events

Step 1. User opens Return Bike function

Step 2. Software checks for empty docks

Step 3. Software displays nearest empty dock together with all empty docks marked on map

Step 4. User chooses an empty dock

Step 5. Software calculates the deposit and rental fee

Step 6. Software calls the "make transaction" use case

Step 7. Software displays, saves transaction information

Step 8. Software sends an email of transaction information to the user

5.2. Alternative flow of events

No.	Condition	Action	Resume location
2a	Software cannot find any empty dock	Software notifies user to wait until there is a vacant dock	2
5a	User rents 24-hour pass	– Software checks for the rented period – Software refunds if elapsed time is less than 24 hours or deducts if it exceeds	6

6. Activity Diagram

7. Post-conditions

At the end of this use case the user has returned the bike, deposit was returned, and rental fee was deducted in user's banking account.