

Use Case “rent bike” outline

1. *Basic flow*

Step 1. User scan barcode on the lock

Step 2. The software display the information of the bike

Step 3. The software ask user to choose payment method

Step 4. User submit payment method and card information

Step 5. The software check the validity of user payment method

Step 6. The software call “make transaction” use case

Step 7. The software open the lock of the bike, allowing user to use the bike

2. *Alternative flow*

| No | Location | Condition | Action | Resume location |
|----|-----------|-----------------------------------|--|-----------------|
| 1 | At step 5 | If the card info has wrong format | <ul style="list-style-type: none">The software notifies the card info has wrong format | At step 3 |
| 2 | At step 6 | If the card info is invalid | <ul style="list-style-type: none">The software notifies the card info is invalid | At step 3 |