

*) **Use case specification of Rent Bike:**

Renting Bike basic flow:

| # | Doer | Action |
|----|----------|--|
| 1 | Customer | Scans the barcode and request to rent a bikes |
| 2 | Software | Validates barcode |
| 3 | Software | Forward to View bikes's information Use Case |
| 4 | Software | Asks to choose Payment Method and forwards to Choose Payment Method Use Case |
| 5 | Software | Calculates the renting price and asks Customer to confirm |
| 6 | Customer | Confirms the transaction |
| 7 | Software | Forward to Deduct money Use Case |
| 8 | Software | Save the transactions |
| 9 | Software | Unlocks the locker, allows customer to use the bike |
| 10 | Software | Shows the successful renting message |

Renting Bike alternative flow:

| Location | Doer | Condition | Action | Resume Location |
|----------------------|----------|----------------------------------|----------------------------|----------------------|
| Step 2 of Basic Flow | Software | Invalid barcode | Notifies error to Customer | Step 1 of basic flow |
| Step 7 of basic flow | Customer | Customer cancel the confirmation | Cancel all the transaction | The use case ends |

*) **Use case specification of Choose Payment Method:**

Choose payment method basic flow:

| # | Doer | Action |
|---|-----------|--|
| 1 | Customer | Chooses Payment Methods and Payment Information |
| 2 | Software | Calls Validating Information API |
| 3 | Interbank | Validates Payment Information and sends status to Software |
| 4 | Software | Returns result to Customer |

Choose payment method alternative flow:

| Location | Doer | Condition | Action | Resume Location |
|----------------------|-----------|---|---------------------------------------|-------------------|
| Step 3 of Basic Flow | Interbank | Error when validating payment information | Sends the failure message to Customer | The use case ends |

*) **Use case specification of Deduct Money:**

Deduct Money basic flow:

| # | Doer | Action |
|---|-----------|---|
| 1 | Software | Calls Check Account API |
| 2 | Interbank | Returns the balance on the customer's credit card |
| 3 | Software | Compares renting price with the balance |
| 4 | Software | Call Deduct money API |
| 5 | Interbank | Deposits money from Customer's account |
| 6 | Software | Returns status of transactions |

Deduct Money alternative flow:

| Location | Doer | Condition | Action | Resume Location |
|----------------------|-----------|------------------------------|---------------------------------------|-------------------|
| Step 2 of basic flow | Interbank | Interbank Error | Sends the failure message to Software | The use case ends |
| Step 3 of Basic Flow | Interbank | Not enough money for renting | Sends the failure message to software | The use case ends |
| Step 5 of Basic Flow | Interbank | Interbank Error | Sends the failure message to software | The use case ends |