

Basic Flows

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Doer

1	Customer
2	Software
3	Software
4	Software
5	Software
6	Customer
7	Software
8	Software
9	Software
10	Software

Alternative Flows

Location	Doer
Step 2 of basic flow	Software
Step 7 of basic flow	Customer

Basic Flows

#

Doer

1	Customer
2	Software
3	Interbank
4	Software

Alternative Flows

Location	Doer
Step 3 of basic flow	Interbank

Basic Flows

#

Doer

1	Software
2	Interbank
3	Software
4	Software
5	Interbank
6	Software

Alternative Flows

Location	Doer
Step 2 of basic flow	Interbank
Step 3 of basic flow	Software
Step 5	Interbank

Rent Bike

Action

Scans the barcode and request to rent a bikes
 Validates barcode
 Forward to View bikes's information Use Case
 Asks to choose Payment Method and forwards to Choose Payment Method Use Case
 Calculates the renting price and asks Customer to confirm
 Confirms the transaction
 Forward to Deduct money Use Case
 Save the transactions
 Unlocks the locker, allows customer to use the bike
 Shows the successful renting message

Condition

Invalid barcode
 Customer cancel the confirmation

Action

Notifies error to Customer
 Cancel all the transaction

Choose Payment Method

Action

Chooses Payment Methods and Payment Information
 Calls Validating Information API
 Validates Payment Information and sends status to Software
 Returns result to Customer

Condition

Error when validating payment information

Action

Sends the failure message to Customer

Deduct Money

Action

Calls Check Account API
 Returns the balance on the customer's credit card
 Compares renting price with the balance
 Call Deduct money API
 Deposits money from Customer's account
 Returns status of transactions

Condition

Interbank Error
 Not enough money for renting
 Interbank Error

Action

Sends the failure message to Customer
 Sends the failure message to Customer
 Sends the failure message to Customer

Resume Location
Step 1 of basic flow
The use case ends

Resume Location
The use case ends

Resume Location
The use case ends
The use case ends
The use case ends