Use Case Pay Deposit

1. **Use case code**
- UC00X

2. **Brief description:**
- This use case describes the interaction between customer, interbank and EcoBike application when customer proceeds to deposit when renting a bike from the system

3. **Actor:**
- Customer
- Interbank

4. **Preconditions:**
- Customer has already chosen a bike to rent
- The device the event takes place has internet connection

5. **Basic Flow of Event:**
   1. Customer chooses a payment method for the transaction
   2. Customer provides card information and transaction content
   3. EcoBike app checks the input
   4. EcoBike app calculates the deposit
   5. Customer confirms the transaction
   6. EcoBike app sends request to deducts money from customer's credit card
   7. Interbank deducts money from customer's credit card
   8. EcoBike app saves the transaction information
   9. EcoBike app sends transaction information to the customer

6. **Alternative flows:**

No	Location	Conditions	Actions	Resume location
1	Any time before step 4	Customer quits the depositing process	EcoBike app asks for confirmation	
1a		Customer accepts to quit	EcoBike app displays renting page	
1b		Customer refuses to quit	EcoBike app shows current page	At step where the event happens
2	At step 3	Customer lefts mandatory field blank	EcoBike app requires user to fill all the mandatory field	At step 2
3	At step 3	Customer's inputs is in wrong format	EcoBike app requires user to refill the fields	At step 2
4	At step 7	The card information is invalid	EcoBike app notifies that the card information is invalid	At step 2
5	At step 7	The balance is not enough	EcoBike app notifies that the balance is not enough	At step 2

Table 1. Alternative flow of Deposit use case

7. **Input data**

No	Data fields	Description	Mandatory	Valid condition	Example

1.	Card holder name		Yes		PHAM THANH BIEN
2.	Card number		Yes		1457 8567 4617 7940
3.	Expiration date		Yes	Consist of month and last 2 digits of year only	09/25
4.	Security code		Yes		341

<div align="center">Table 2. Input data of card information</div>

8. Output data

No	Data fields	Description	Display format	Example
1.	Payer		• Right alignment	PHAM THANH BIEN
2.	Payee		• Right alignment	VietinBank
3.	Amount		• Comma separator	700,000

<div align="center">Table 3. Output data of transaction information</div>

9. Post conditions

- User successfully deposits the bike