
02267 - Software Development for Web Services

Use Cases

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Chapter 1

Use Cases

1.1 Use Cases: Merchant

1.1.1 Creating a new merchant in DTUPay, who already have a bank account

- The merchant already have an bank account
- Merchant provides a CVR number and company name
- With the CVR number the system detects the existing bank account
- Now the merchant account is created with the CVR number and company name in DTUPay system

1.1.2 Failing to create a new merchant account in DTUPay, merchant does not have a bank account

- The merchant does not have an bank account
- Merchant provides a CVR number and company name
- With the CVR number the system detects that the merchant does not have a bank account
- Merchant account is not created in DTUPay system and merchant is notified that the provided CVR does not match with a bank account

1.1.3 Failing to create an existing merchant account in DTUPay

- The merchant already have a existing merchant account in the DTUPay system
- The merchant tries to create a new merchant account with the same information
- Merchant account is not created in the DTUPay system and merchant is notified that the account has already created

1.1.4 Making a transaction with a valid bar code

- The merchant already have an account in the FastMoney Bank.
- The merchant have an account in DTUPay with the same information.
- The merchant scans a valid bar code provided by a customer
- The system does a transaction and responds with a transaction succesful

1.1.5 Making a transaction with an invalid bar code

- The merchant already have an account in the FastMoney Bank.
- The merchant have an account in DTUPay with the same information.
- The merchant scans an invalid bar code provided by a customer
- The system tries to do a transaction, but responds an invalid bar code response

1.1.6 Making a transaction with insufficient funds

- The merchant already have a account in the FastMoney Bank.
- The merchant have an account in DTUPay with the same information.
- The merchant scans a valid bar code provided by a customer with insufficient funds
- The system tries to make a transaction but responds with a balance will be negative response

1.2 Use Cases - Mobile Users

1.2.1 Creating a new mobile user account in DTUPay, with existing bank account

- The user already have an bank account
- User provides a CPR number, first name and last name
- With the CPR number the system detects the existing bank account
- Now the user account is created with the CPR number, first name and last name in the DTUPay system

1.2.2 Creating a new mobile account in DTUPay, without existing bank account

- The user does not have an bank account
- User provides a CPR number, first name and last name
- With the CPR number the system detects that the user does not have a bank account
- User account is not created in the DTUPay system and the user is notified that the provided CPR does not have a matching bank account

1.2.3 Adding an existing mobile user in DTUPay

- The user already have an existing user account in DTUPay system
- The user tries to create a new user account with the same information
- User account is not created in DTUPay system and the user is notified that the account already exists

1.2.4 Requesting a new bar code with a valid CPR number

- The user provides a CPR number
- With the CPR number the system detects the existing bank account
- The system returns a new bar code to the user

1.2.5 Requesting a new bar code with an invalid CPR number

- The user provides a CPR number
- With the CPR number the system checks whether the user exist in the system
- The CPR number does not exist in the system and the user is notified that the provided CPR does not have a matching DTUPay account