

Lap6 (Validation Checklist for E-commerce Platforms)

1-Model "User "

User Model has:

name, email, phoneNumber, password, address.

User Validation

Name:

- Must contain only letters (numbers or symbols are not allowed).
- Cannot be empty.

If verification fails, the user will not be able to create an account

Email:

- Cannot be empty.
- Must be in the correct format (xxxxx@gmail.com).

If verification fails, the user will not be able to recover their password or receive invoices.

phoneNumber:

- Cannot be empty.
- Must contain 10-15 digits and begin with a country code.

If verification fails, the user will not receive order notifications.

Password:

- Cannot be empty.
- Must contain at least 8 characters, an uppercase letter, a number, and a special character (@, -, \$).

If verification fails, the user will not be able to recover their password. The account may be vulnerable to hacking.

Address:

- Cannot be empty.
- Must contain city and zip code.

If verification fails, the user will not be able to complete the order.

Model "OrderAndPayment"

OrderAndPayment Model has:

Shopping Cart, Payment, Credit Card Number, CVV Code (Card Verification Code), Billing Address.

OrderAndPayment Validation

Shopping Cart:

- The cart cannot be empty upon completion of the purchase.

If verification fails, the user will not be able to proceed with payment.

Payment :

- Credit cards, stc Pay, Apple Pay. must be supported.

If verification fails, the payment will be declined.

Credit Card Number:

- Cannot be null.
- Must be digits only.
- Must be 16 digits according to a specific algorithm.

If verification fails, the transaction will be declined by the bank.

CVV Code (Card Verification Code):

- Cannot be null.
- Must be digits only.
- Must be 3 or 4 digits only.

If verification fails, the transaction will be declined.

Billing Address:

- Must match the address registered with the bank.

If verification fails, the payment may be declined.

Model "ProdeuctAndInventory"

ProdeuctAndInventory Model has:

Product ID, Product Price, Stock Quantity Product Images

ProdeuctAndInventory Validation

Product ID:

- Must be unique and non-duplicate.

If verification fails, it may result in inventory errors.

Product Price:

- Must be a positive number.(0<)

If verification fails, the product cannot be sold at an incorrect price.

Stock Quantity:

- The number cannot be less than 0.

If verification fails, it may result in out-of-stock products being sold.

Product Images:

- Must be in JPEG or PNG format and of high quality.

If verification fails, the images may not appear correctly to customers.