Online Shopping Website

prepared by group [5]

Outlines:

- ❖ Purpose
- ❖ Main functionality
- ❖ System components design
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- ❖ Sequence Diagram
- ❖ Class Diagram
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- ❖ Detail design of User interface
- ❖ task management and reallocation

Purpose

An online shopping website that providing products that everyone can buy without actually need to visit the store and he/she can add or remove the products from the cart easily
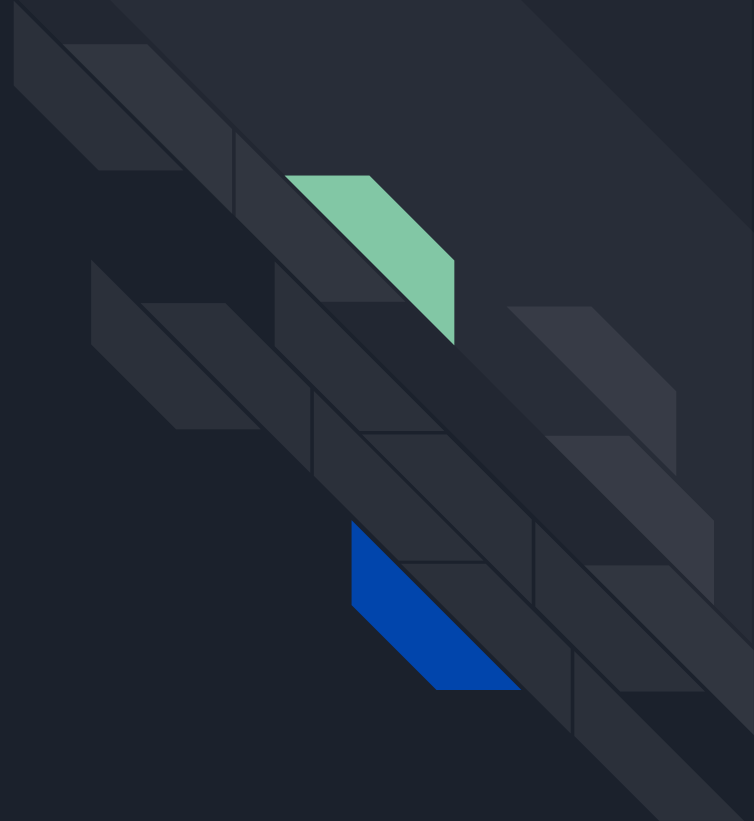
Main functionality

❖ **Items**

Clicking on an item it will display the item name, price, categories, item description and reviews. The user can add the item to the cart or the favorite list.

❖ **Favorite list**

The users can see the list of their favorite items as a shortlist for later reference.
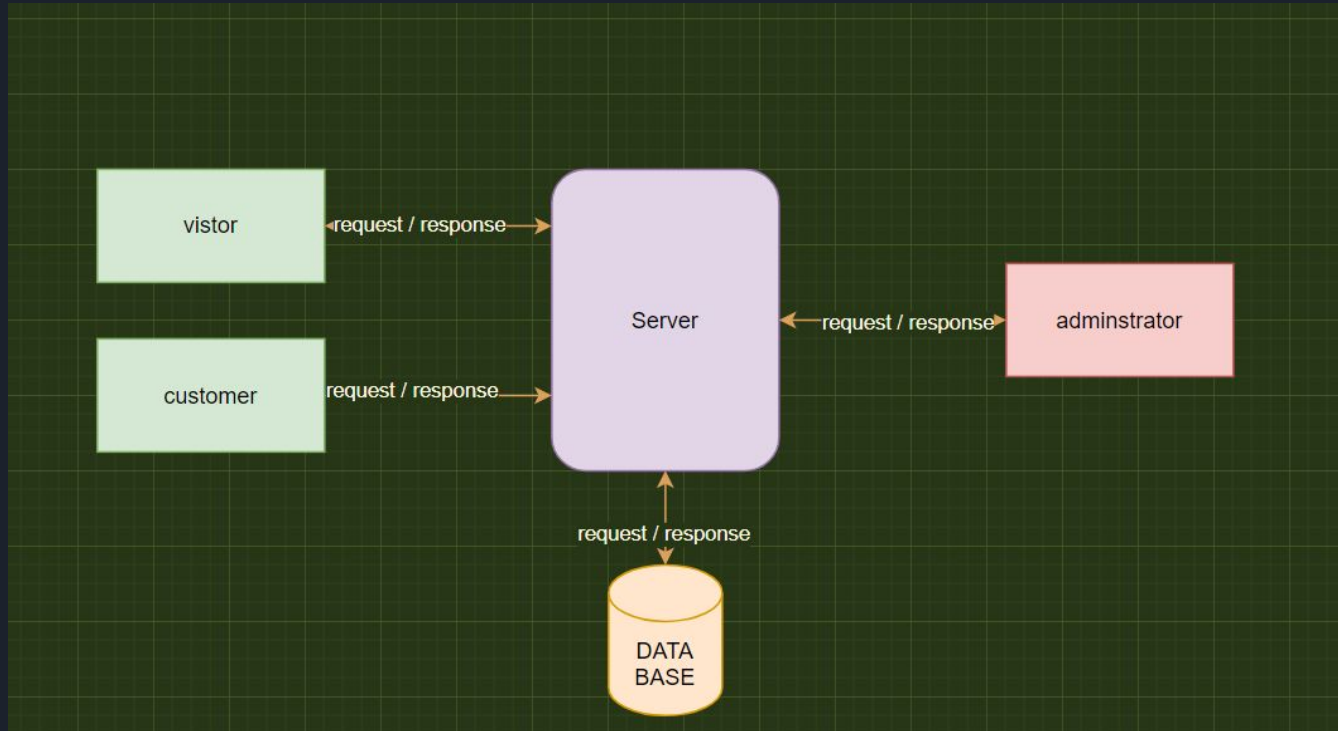
❖ **Tagging**

The website suggests new items that may interest the user based on his/her previous purchases or visits to products that have the same tag.

❖ **Payment**

we are dealing with the mode of payment by cash on delivery or credit cards.
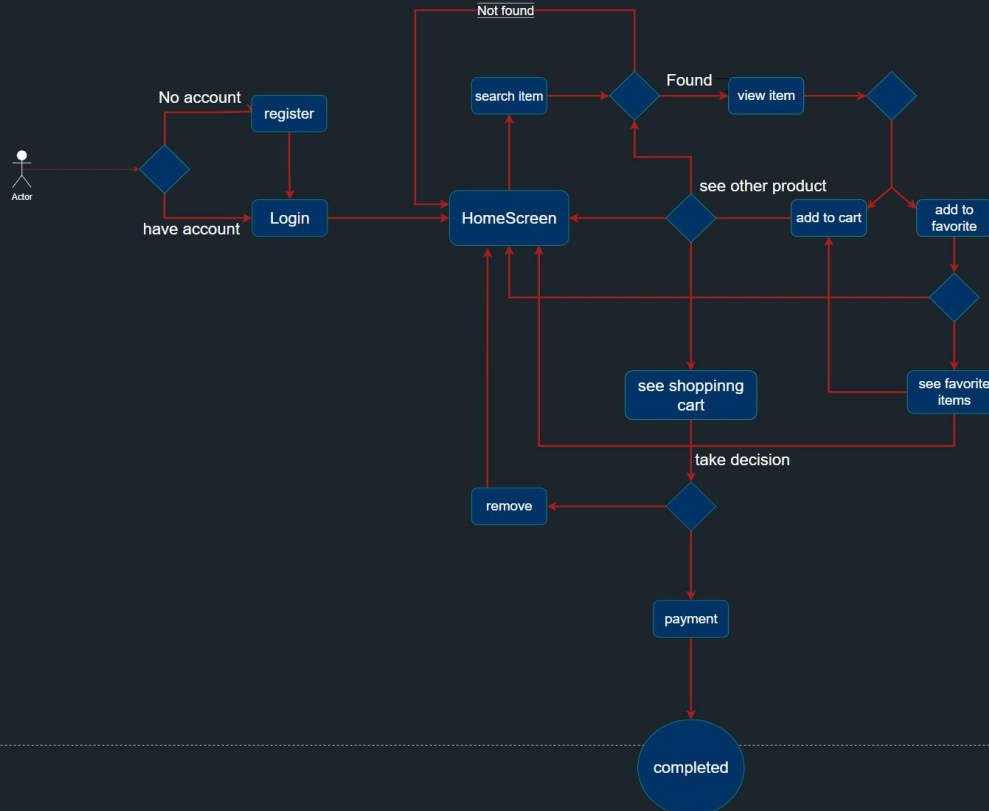
System components design

Features -

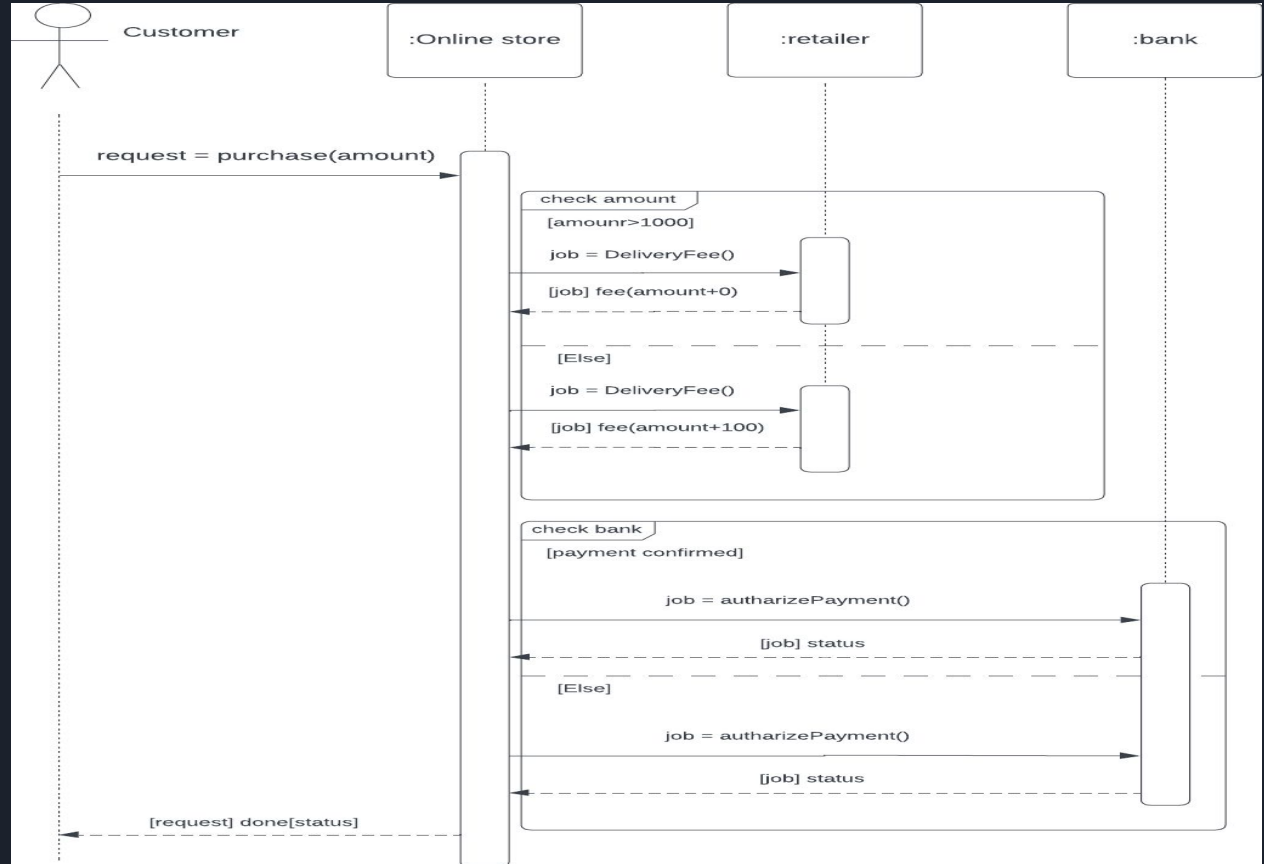Visitors can visit the site without registration and they can see the products.

Customers have to LOGIN hence they must have a valid login name and password , also customers have SETTINGS so they can view/edit their personal details,and also have PURCHASING so they can buy products through a valid credit card.

Administrator has a DATABASE MANAGEMENT to control all database details ,and also has PERMISSION to give the vendors access to sell their products after testing the quality of products.
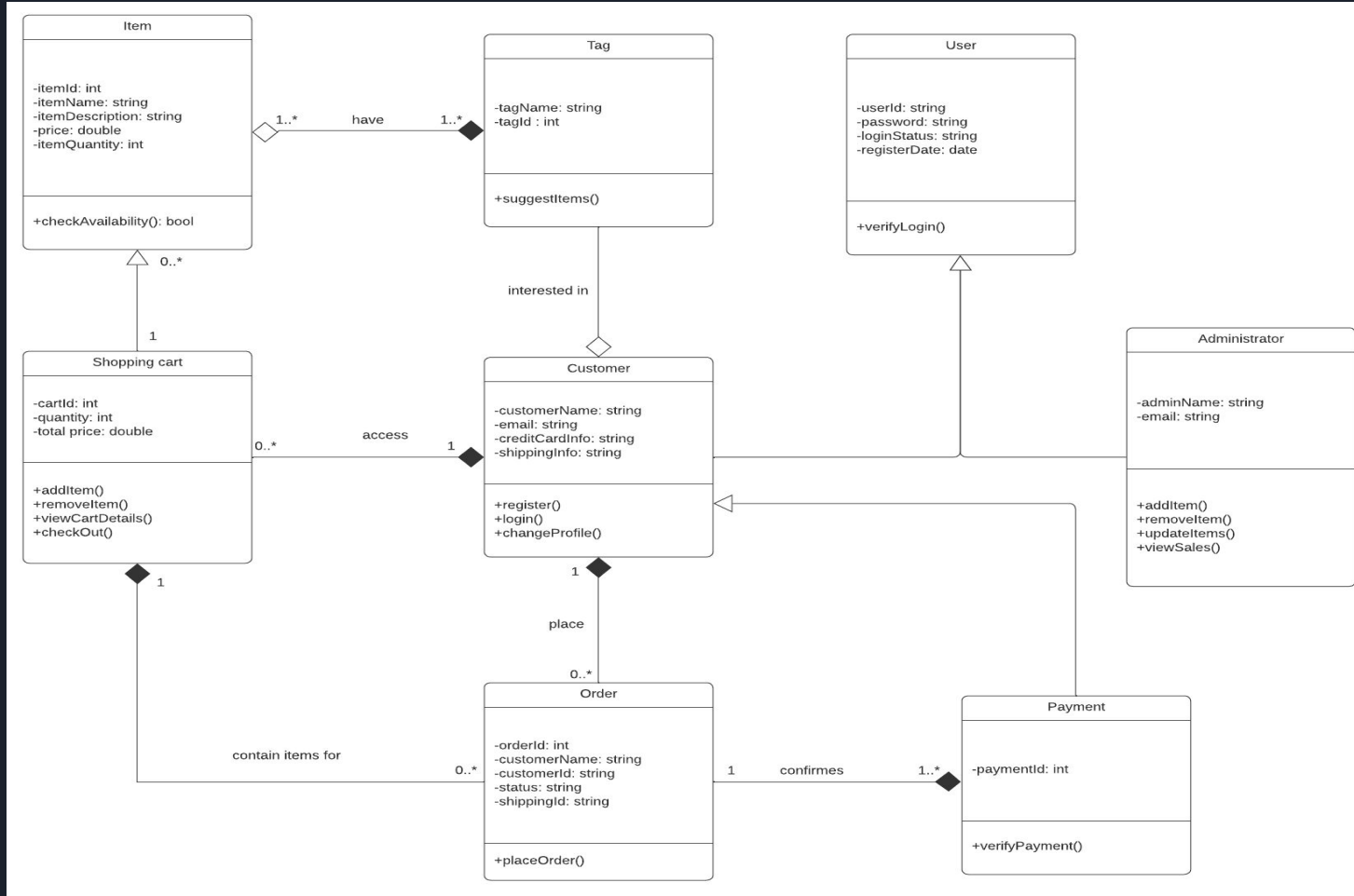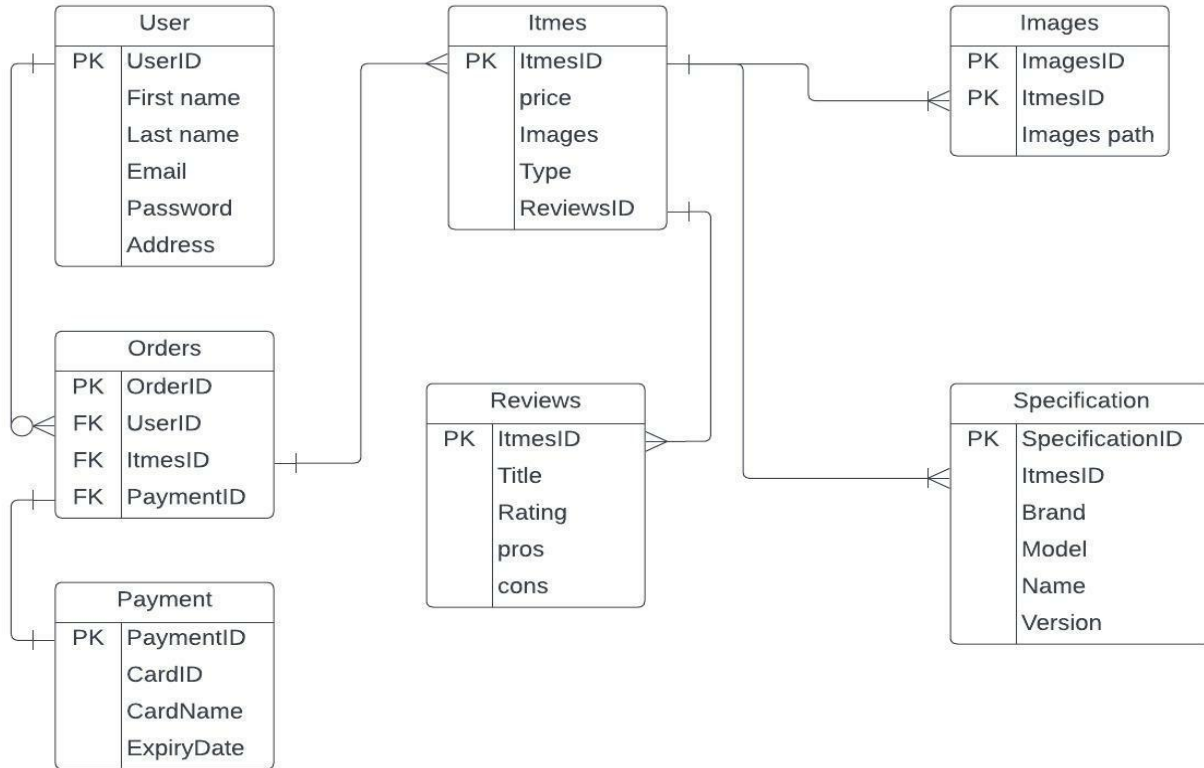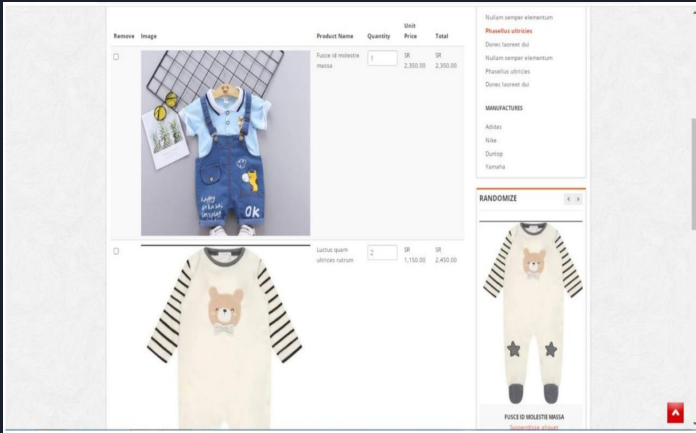
State Diagram

Sequence Diagram

Class Diagram

Item
- -itemId: int
- -itemName: string
- -itemDescription: string
- -price: double
- -itemQuantity: int

+checkAvailability(): bool

Tag
- -tagName: string
- -tagId : int

+suggestItems()

User
- -userId: string
- -password: string
- -loginStatus: string
- -registerDate: date

+verifyLogin()

Shopping cart
- -cartId: int
- -quantity: int
- -total price: double

+addItem()
+removeItem()
+viewCartDetails()
+checkOut()

Customer
- -customerName: string
- -email: string
- -creditCardInfo: string
- -shippingInfo: string

+register()
+login()
+changeProfile()

Administrator
- -adminName: string
- -email: string

+addItem()
+removeItem()
+updateItems()
+viewSales()

Order
- -orderId: int
- -customerName: string
- -customerId: string
- -status: string
- -shippingId: string

+placeOrder()

Payment
- -paymentId: int

+verifyPayment()

have 1..* 1..*

interested in

0..* 1

access 0..* 1

place 1 0..*

contain items for 0..* 1

confirmes 1 1..*

Data Structures

Detail design of User interface

task management and reallocation

FINALLY task management and reallocation for ONLINE SHOPPING WEBSITE

we worked as an individuals in SRS, and for the SDD we were separated into two groups