American International University- Bangladesh

CSC 4261: Advanced Programming in Web Technology

CO1 Evaluation
Project Report
Summer 23-24

Project Title: Sole Mates
Project Domain: E-commerce
Group Number: 6
Section: B

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Sole Mates

Introduction:
We are developing Sole Mates, a reselling website which introduces shoe reselling in Bangladesh. By offering a single online platform, it simplifies buying and selling by providing a single hub for individuals and businesses alike. Dedicated to serving sneakerheads, we unite the community with a seamless online experience. Explore, buy, and sell your favorite shoes effortlessly on Sole Mates.

Problem Analysis:

www.stadiumgoods.com

We chose an e-commerce www.stadiumgoods.com, specializing in the resale of premium sneakers, streetwear, and other collectible items. The website offers safe payment methods, a smooth surfing experience, and an intuitive user interface. Stadium Good's outstanding reselling ideas as well as a vibrant community engagement of sneaker enthusiast through initiatives in the online sneaker and streetwear sector is the reason we used it as a reference website. The website's emphasis on authenticity and ease of use are all in line with the objectives of our project. Through an examination of Stadium Goods, our goal is to foster a vibrant community of shoe enthusiasts through customer satisfaction, offering export quality brands, guaranteeing product authenticity, and maximizing operational effectiveness.

Feature Analysis:

1. User Category:

There are 4 types of Users here. They are:
- Admin
- Customer
- Seller
- Manager

2. Feature List:

In this project the "Admin" has the following features:
(**12 feature per user)**

- Login
- Register
- Add a New Manager representative
- Retrieve all admin user
- Retrieve a specific manager representative by ID
- Update a new manager representative
- Delete a manager representative
- Create a new customer Id

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- Retrieve all customer data
- Retrieve a specific customer By Id
- Update a customer info
- Delete a customer Id
- Add a new seller
- Retrieve all seller userID
- Retrieve a specific seller user by ID
- Upadte a New seller info
- Delete a seller user id

In this project the "Customer" has the following features:

- Register
- Login
- Logout
- Send Email
- View profile
- Dashboard
- Get Image
- Find customer by name substring
- Find customer by username
- Find customer by id
- Update customer
- Delete customer

In this project the "Seller" has the following features:

- Register
- Login
- Logout
- Send Email
- View profile
- Dashboard
- Get Image
- Find seller by name substring
- Find seller by username
- Find seller by id
- Update seller
- Delete seller

In this project the "Manager" has the following features:

- Register
- Login
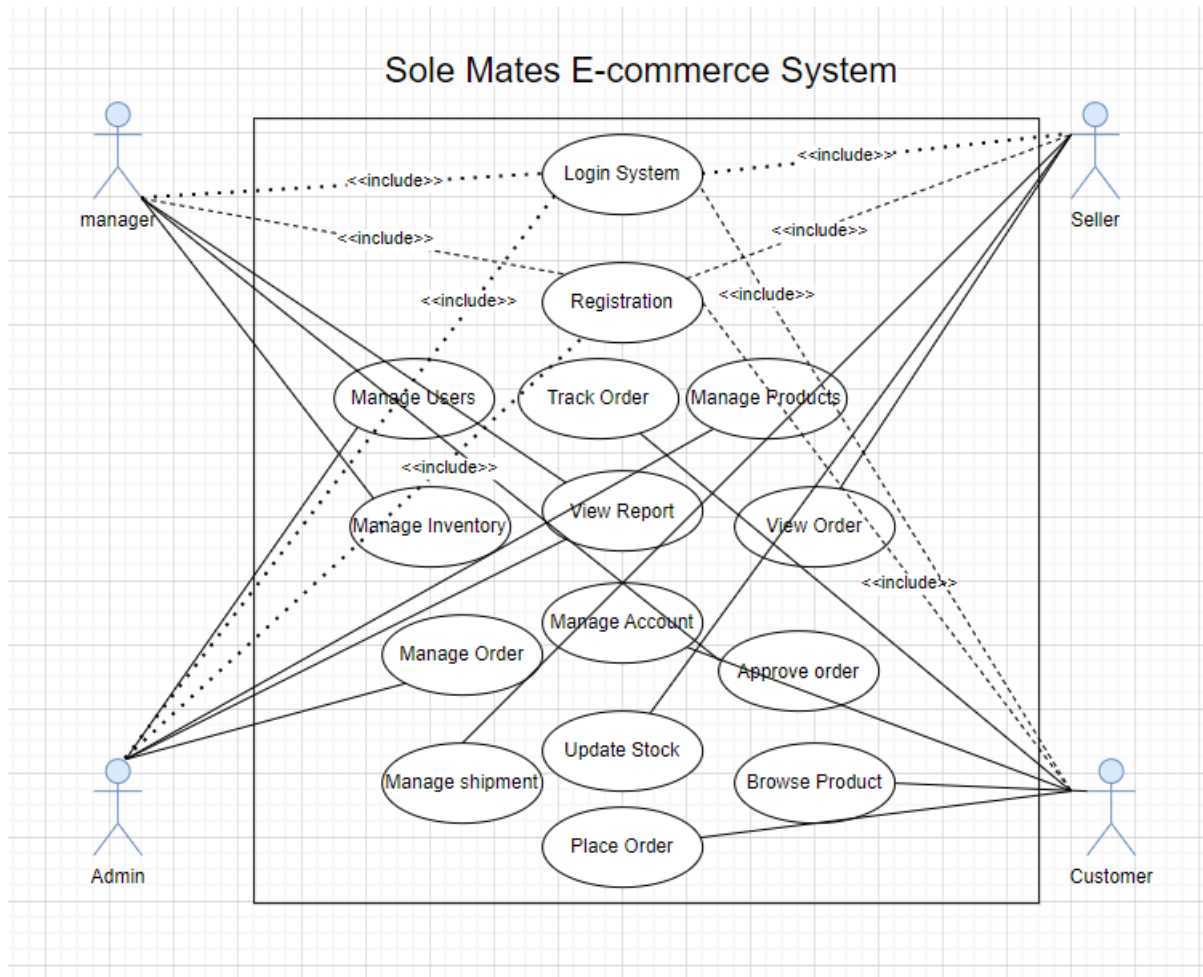- Logout
- Send Email
- View profile

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- Dashboard
- Get Image
- Find manager by name substring
- Find manager by username
- Find manager by id
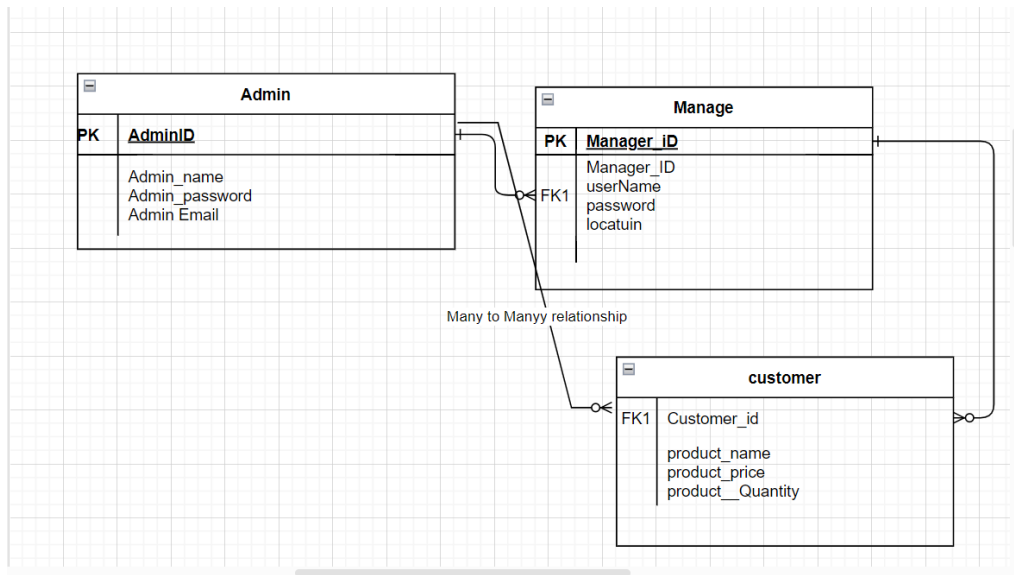- Update manager
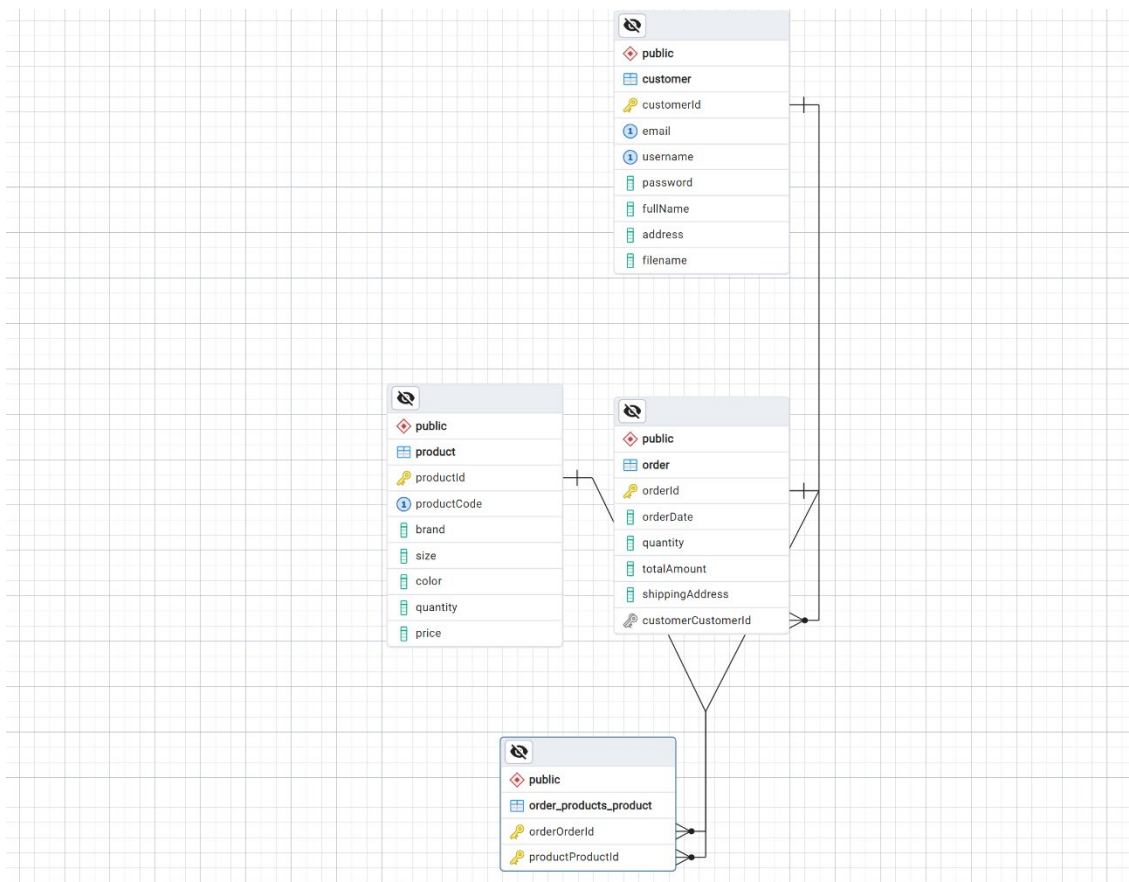- Delete manager

Design:

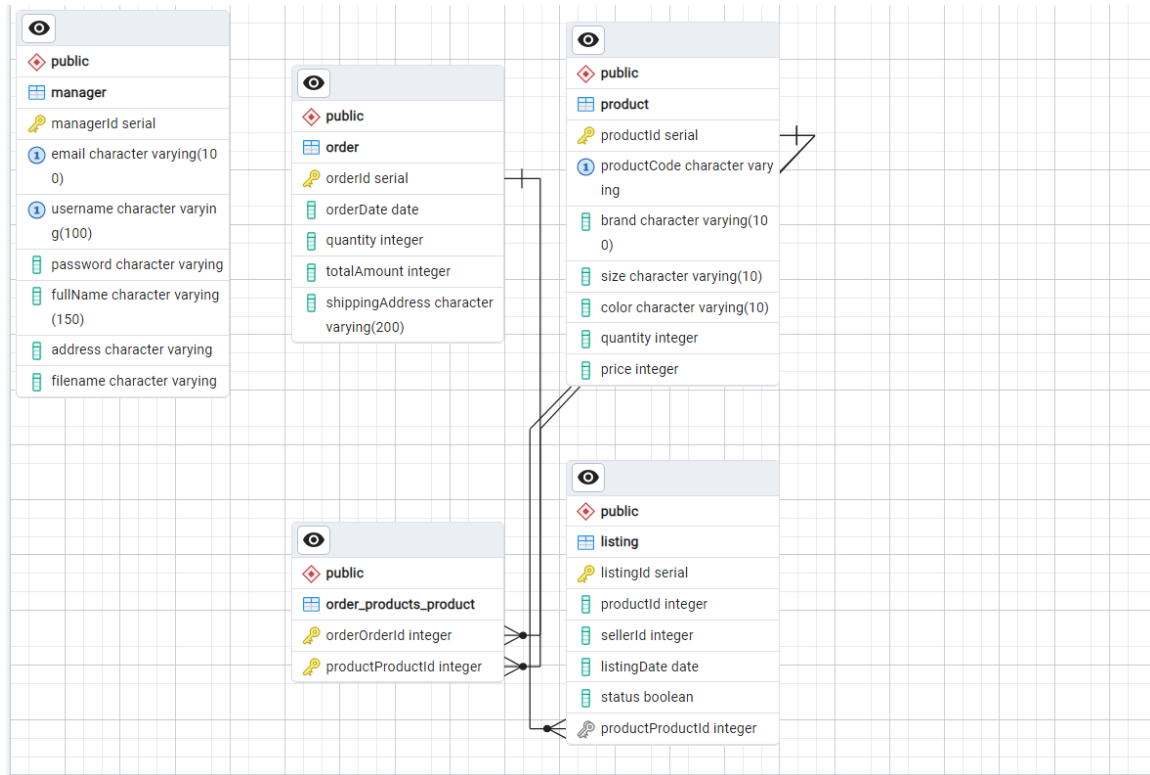## Use Case Diagram

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ER Diagram

Admin:

Customer:

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Manager:

Seller:

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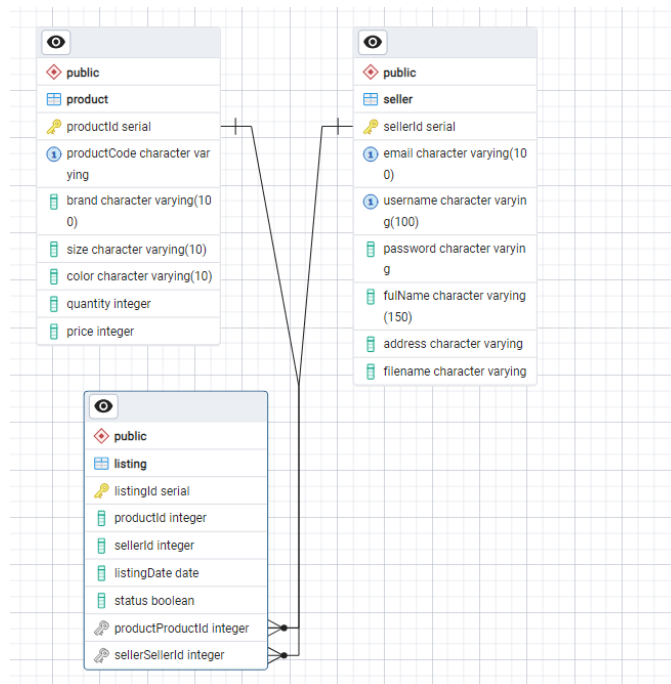
Sole Mates

Tools Used:

To develop this project, we have used the following:

- Figma
- Postman
- PostgreSQL
- Visual Studio Code
- draw.io
- GitHub Version Control System

Impact of this Project:

Our project Sole Mates increases the updates the interaction between people while being mindful of the environment. Through centralizing administrators, clients, vendors, and supervisors, it promotes sustainability and conserves resources. Work is made simpler for users by improved communication, more efficient procedures, and transparent transactions. All things considered, our project is a clever solution that benefits both the environment and humans, making it extremely helpful in the modern world.

Limitations and Possible Future Improvements:

Limitations:

1. **GPS not integrated with tracking order**: Customers cannot track their orders in real-time using GPS, leading to uncertainty about the exact location and delivery time of their shoes.
2. **The payment system is not integrated with an online payment gateway**: Customers cannot make online payments directly through the website, requiring alternative payment methods which can be inconvenient and may deter potential buyers.

Possible Future Improvements:

1. **GPS integration**: Adding GPS tracking to the order system will enable customers to see real-time updates on their order's location, enhancing the overall customer experience.
2. **Fully functional payment system**: Integrating a secure and reliable online payment gateway will streamline the purchasing process, making it easier and more convenient for customers to complete transactions.

[Note: Make sure that your report is maximum 10 pages (including cover page). Print (Colored) the report and submit it with spiral bind.]

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CO1 Evaluation: Project Report Evaluation			
Problem Analysis (5)	Use Case Diagram (5)	ER Diagram (5)	Total (15)