DISSERTATION

ON

ORDER MANAGEMENT SYSTEM

(MCA – VI SEMESTER; BATCH 2018-21)

Internal Guide
Dr. Sunil Pratap Singh
(Asst. Prof., BVICAM, New Delhi)

Presentation by
Name of the Student
(Enrollment Number)

Date of Presentation

Contents

- About the Company
- Problem Description
- Aim and Objectives
- Methodology and Technology Used for Project Development
- Project Modules and My Role
- Design Documents (Use Case, Data Flow Diagram, Entity-Relation Diagram, etc.)
- Screenshots
- Testing of Project
- Conclusion
- Future Scope
- Bibliography

About the Company

- Company Name: HCL Technologies, Noida
- Foundation Year: 2002
- No. of Employees in the Company: 4,000
- Presence: India, Australia
- Clients: Hero, Netflix, Amazon, Indian Rail, etc.

Problem Description

- At present, the e-Commerce company manages the customers' order in an Excel sheet. It is very difficult to process the order efficiently.
- Therefore, an online automated system is required to handle the orders efficiently.
- Other statements related to the problem should be written here.

Aim and Objectives

- **Aim:**
  - To develop a web-based application for customer management system for an e-commerce application.
- **Objectives:**
  - To design of a relational database for managing orders.
  - To design user-friendly interfaces to interact with the system.
  - To develop business logic as per the client's requirement.
  - To test the developed system.

Methodology and Technology Used

- Methodology used for Project Development:
  - Waterfall Model of SDLC
- Technology used for Project Development:
  - Front-End: HTML 5.0, CSS 3.0, Bootstrap 4.0, React 7.4, Angular 5
  - Back-End: NodeJS 4.0, NPM, PHP 7.2
  - Integrated Development Environment (IDE): VS Code, Visual Studio 2019
  - Database: MongoDB, MySQL 5.8
  - Web Server: Glass Fish 3.0

Project Modules and My Role

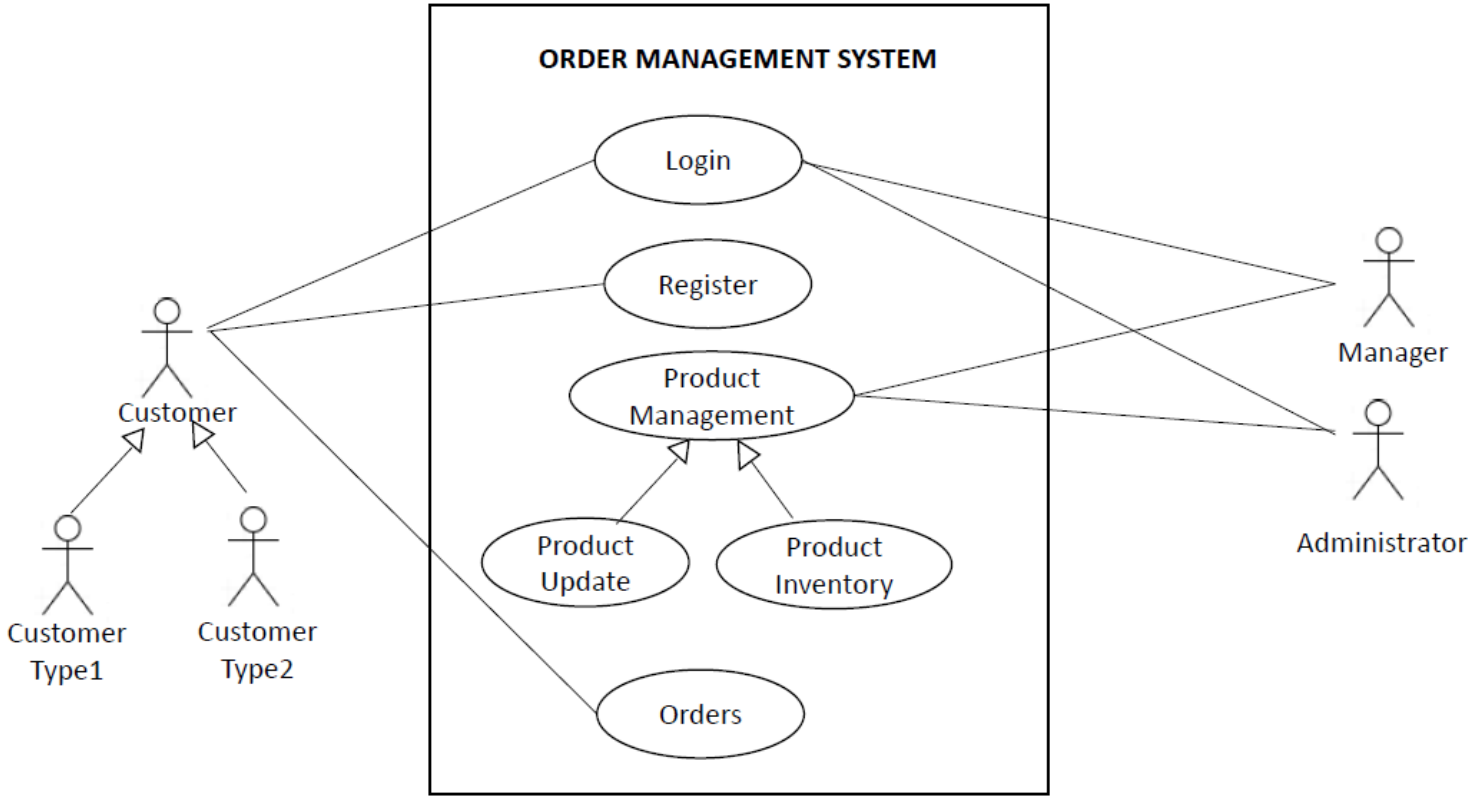
- Project Modules:
  - Order Management
  - Customer Management

- My Role in the Project:
  - Design of Web Forms (User Interface)
  - Design of Database Schema
  - Development of Business Logic
  - Testing (Unit Testing and Integration Testing)

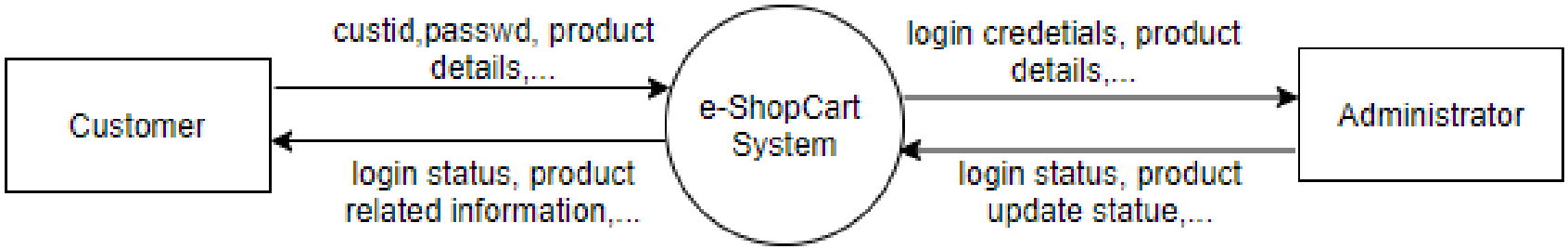
If Required

System Design

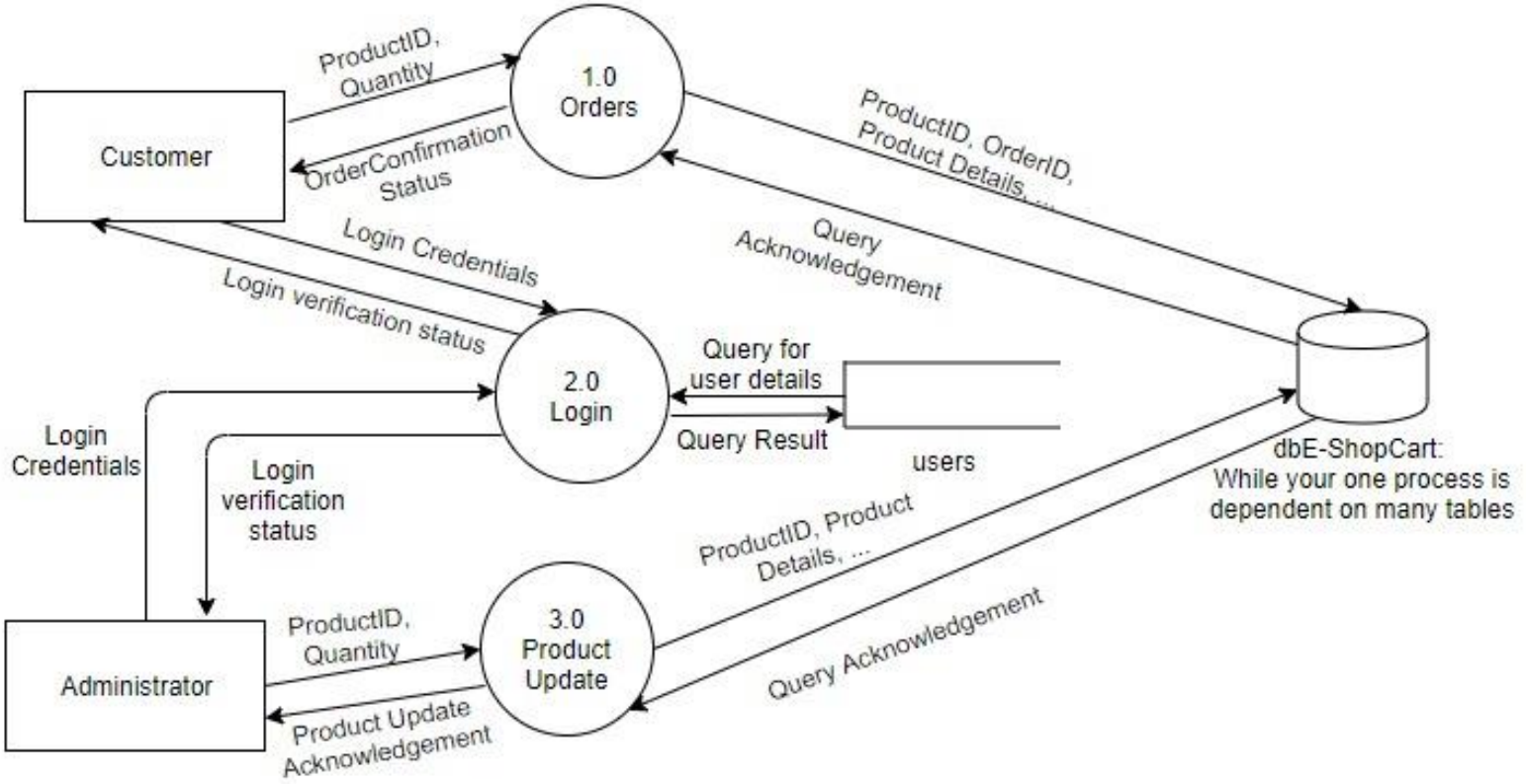
Use Case Diagram



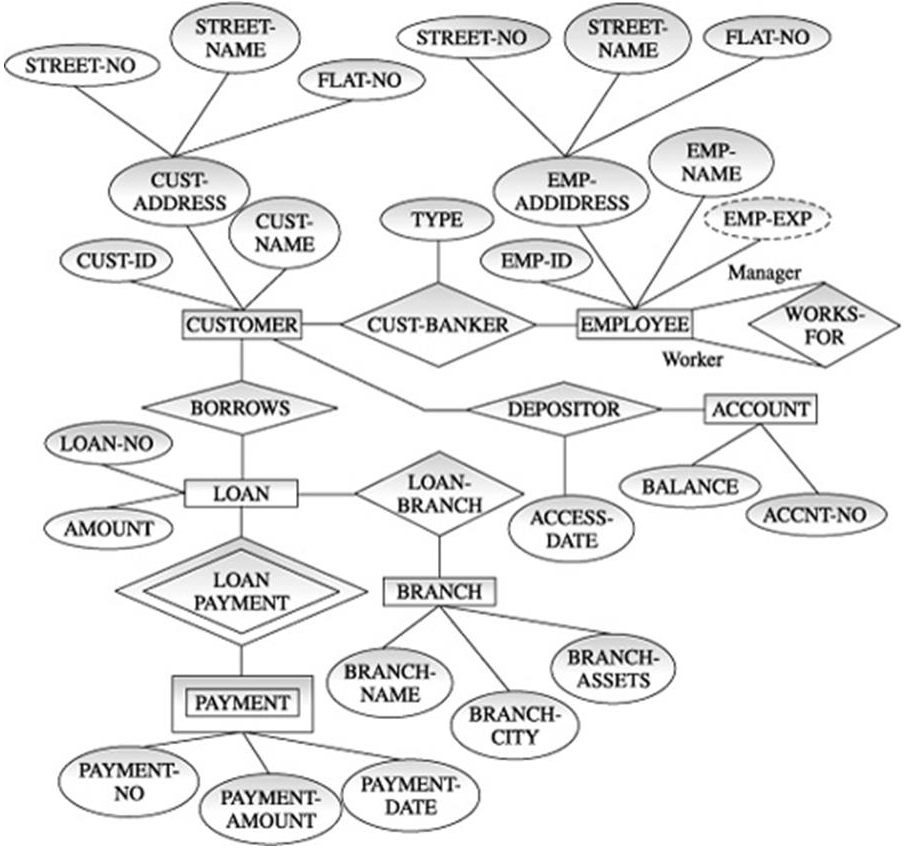
Data Flow Diagram (Level - 0)



Data Flow Diagram (Level - 1)



Entity-Relationship (E-R) Diagram



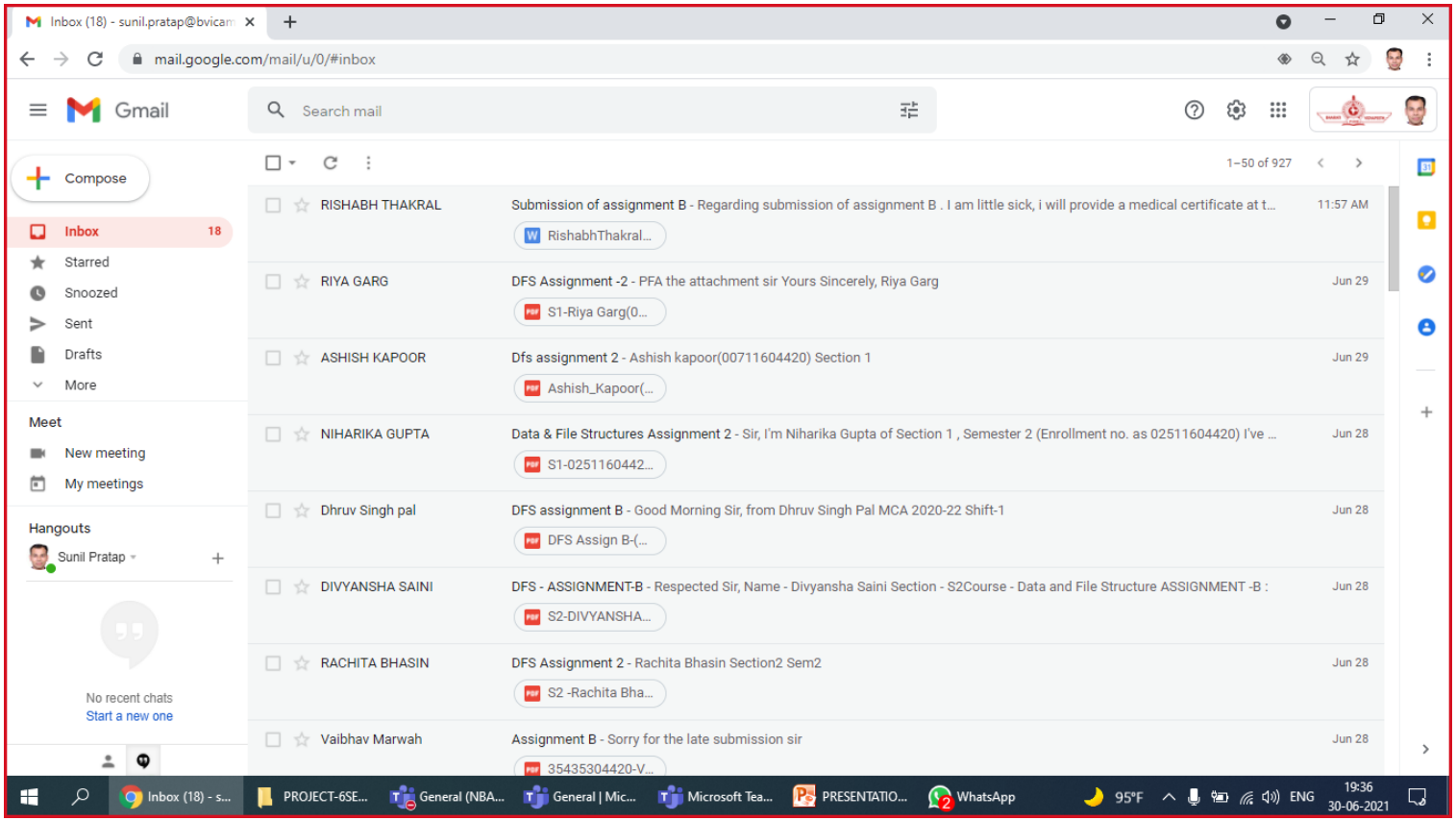
Title of Diagram

- Depending upon the Nature of Project, Draw the Following Diagrams:
  - Control Flow diagrams
  - State Diagrams/Sequence Diagrams
  - Class Diagrams
  - Collaboration Diagrams/Activity Diagrams

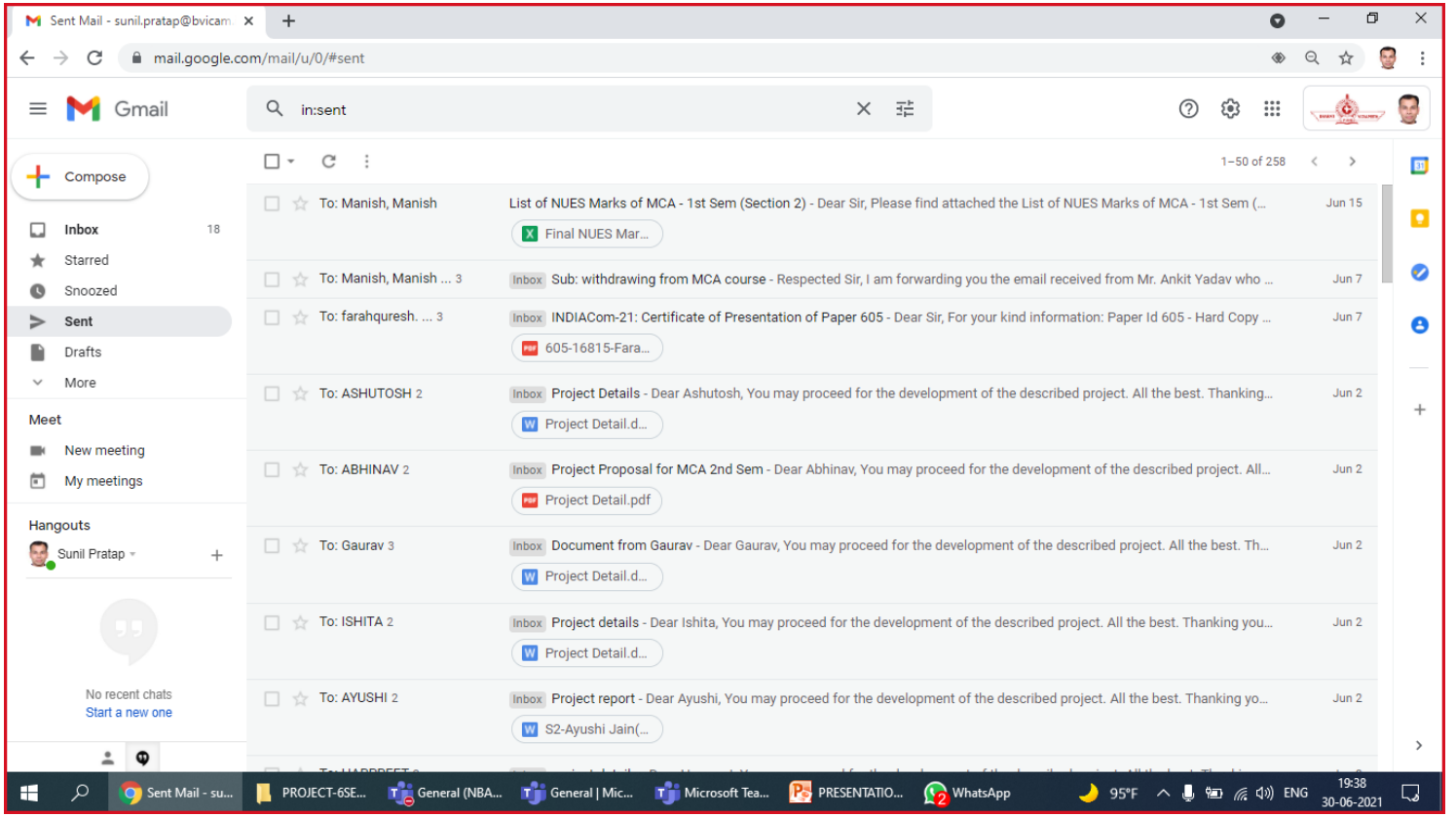
NOTE: If applicable in the Project, the above diagram(s) is/are required.

Screenshots

Screenshot - 1: Inbox



Screenshot - 2: Sent Emails



Screenshot - 3

NOTE: At least 5 screenshots are required (at least one from each module). Students may give at most 15 screenshots of different modules/forms of the running application/project.

Screenshot - 4

NOTE: At least 5 screenshots are required (at least one from each module). Students may give at most 15 screenshots of different modules/forms of the running application/project.

Screenshot - 5

NOTE: At least 5 screenshots are required (at least one from each module). Students may give at most 15 screenshots of different modules/forms of the running application/project.

Testing of the Project

- Depending upon the Nature of Project, Design and Present the Test Cases

Id	Test Case Description	Test Case Input	Test Results		Status	Corrective Measure
			Expected	Actual		
1	Billing person/Admin can successfully create the order	All the fields asked in the create order page are filled properly.	Order is created successfully	Order is created successfully	Pass	None
2	All the orders that are successfully created should be displayed here.	No input	Successfully created orders are displayed.	Successfully created orders are displayed.	Pass	None
3	Label with correct QR code and item no. is generated.	Warehouse ID, Item no.	Label is printed correctly.	Label is printed correctly	Pass	None

NOTE: If applicable in the Project, the required Test Cases need to be presented.

Conclusion

- A web-based application developed for customer management in e-Commerce.
- ASP.NET and C#.Net Programming is used for System Development.
- Waterfall model of SDLC has been followed for development of the project.
- The developed application has following features:
  - Online accessibility.
  - Responsive user-friendly interfaces to interact with the system.
  - Three-tier architecture.
  - Other features as per the project's nature.

Future Scope

- Multi-language support can be provided for different regional customers.
- The developed project may be converted to a Mobile Application.
- Mobile Wallets can be embedded for more payment options.
- Other scope may be written as per the need.

Bibliography

- **Books:**
  - E. Balaguruswamy, “Programming with C#.Net”, 4th ed., McGraw Hill Publication, 2016.
  - Book 2
- **Websites:**
  - www.bvicam.in/index.html, [Accessed on 30 June, 2021].
  - Other Website