



# **DISSERTATION**

## **ON**

# **ORDER MANAGEMENT SYSTEM**

**(MCA – VI SEMESTER; BATCH 2018-21)**



**Internal Guide**  
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**Presentation by**  
**Name of the Student**  
(Enrollment Number)

**Date of Presentation**

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# 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)

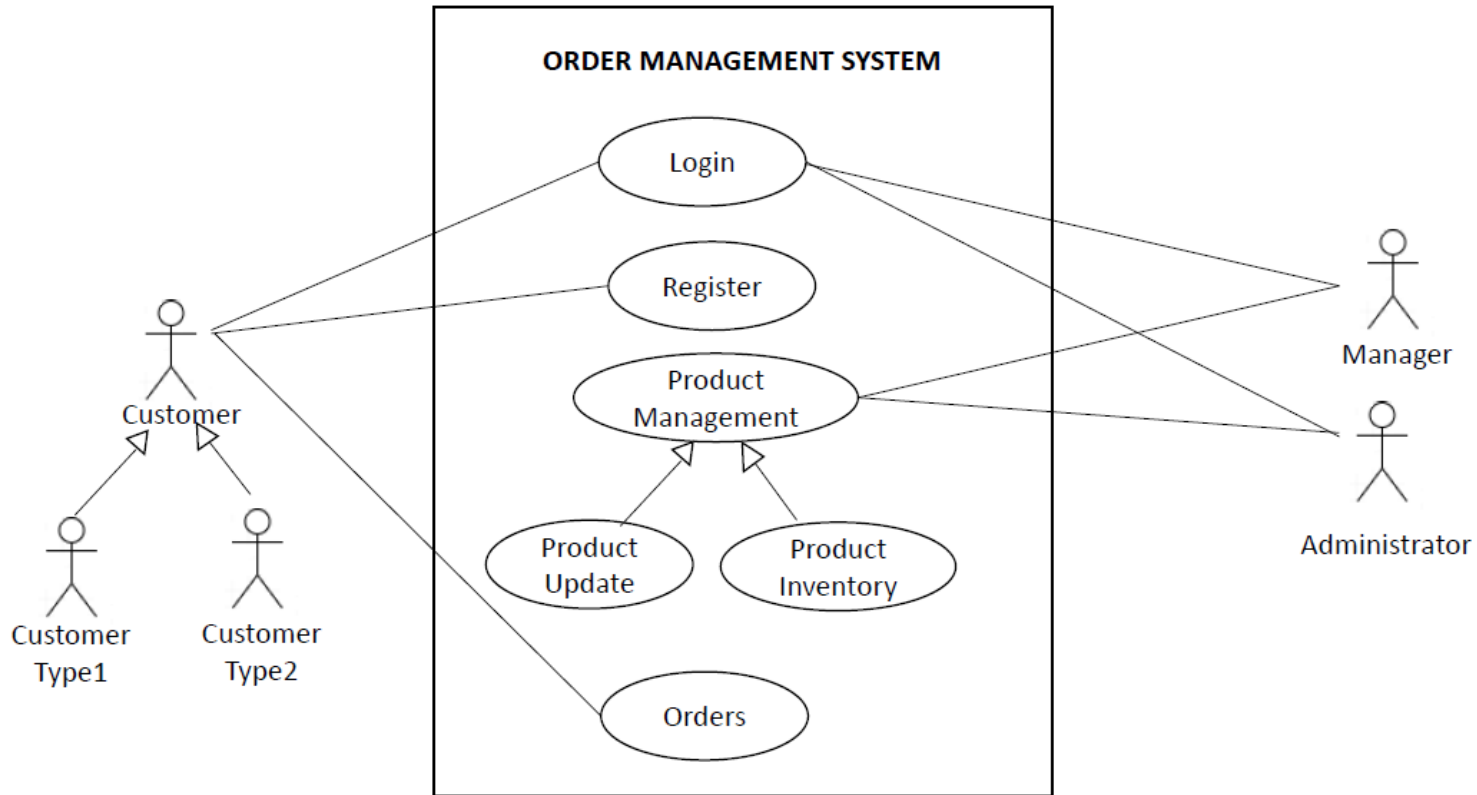


**If Required**

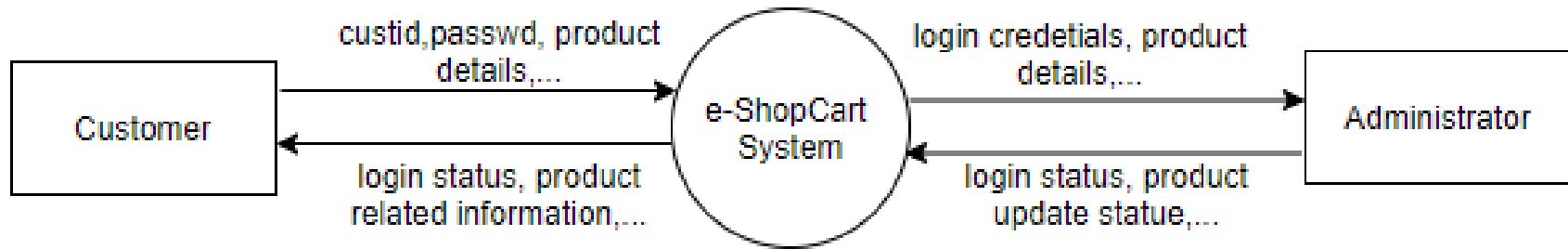
# System Design



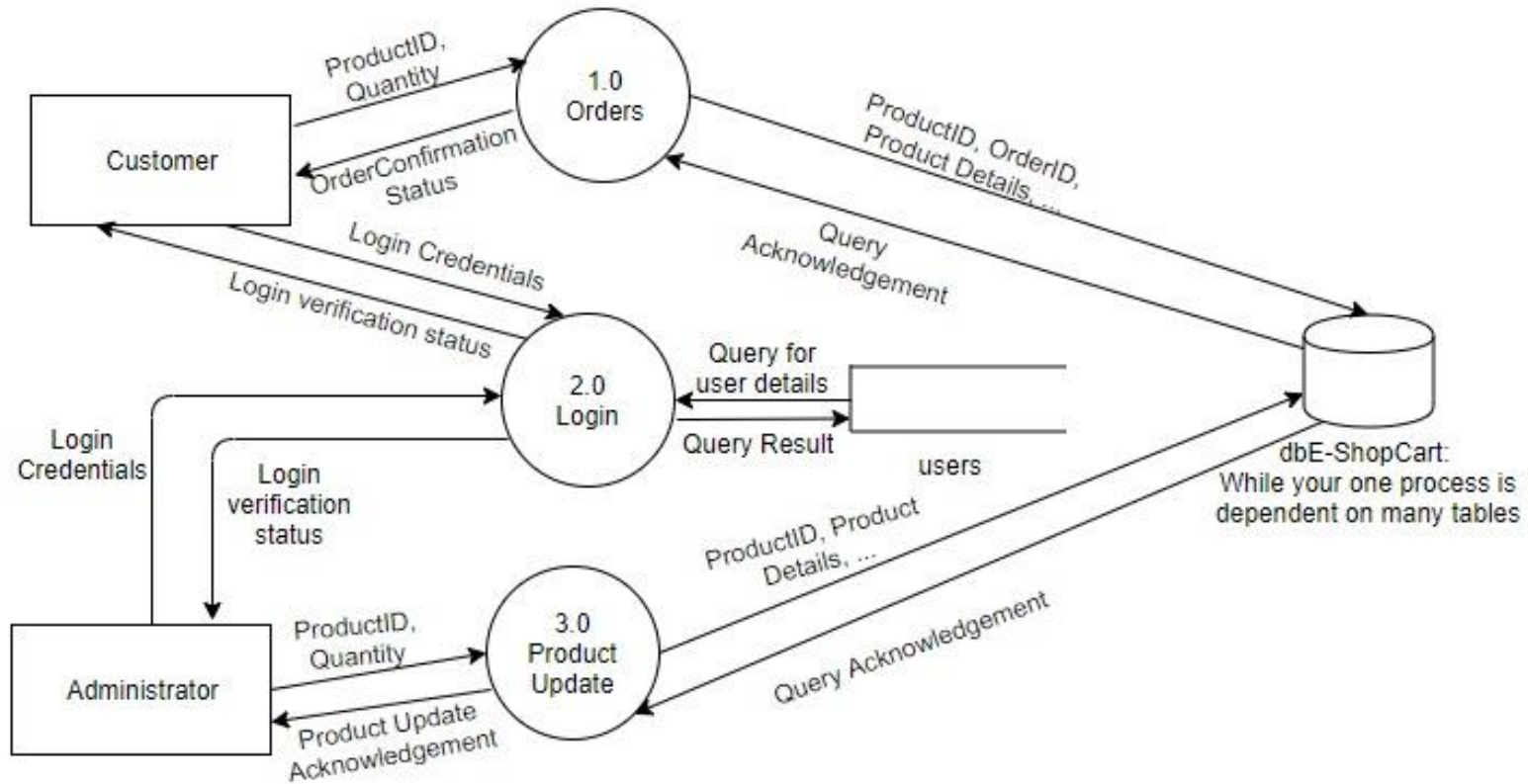
# Use Case Diagram



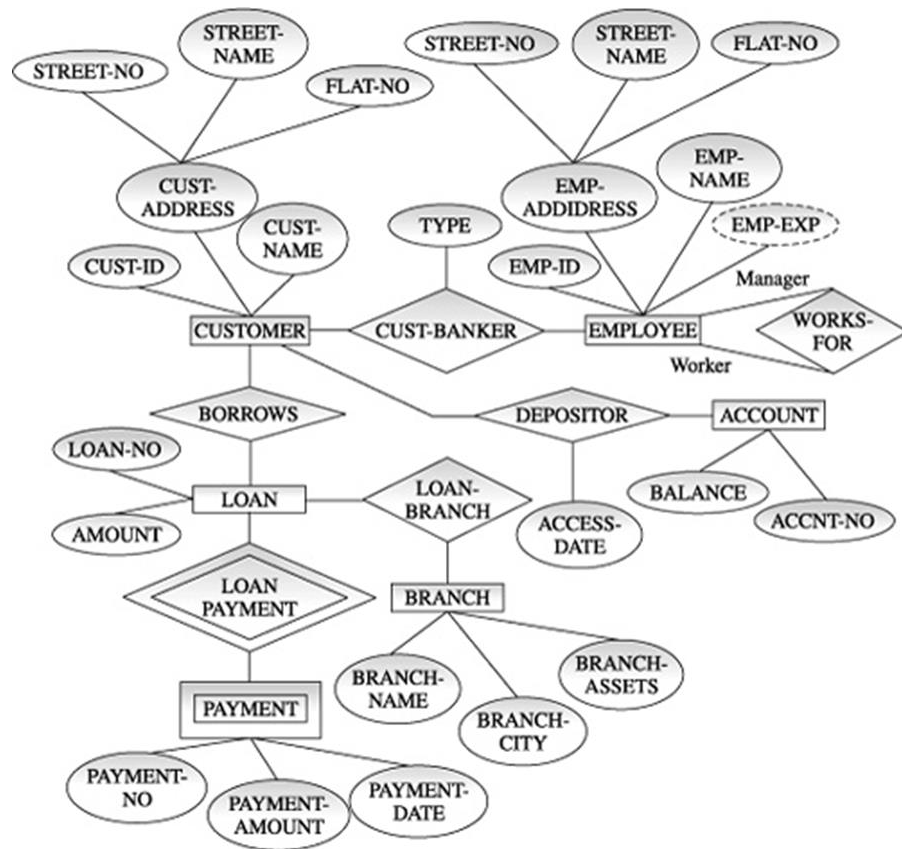
# Data Flow Diagram (Level - 0)



# Data Flow Diagram (Level - 1)



# Entity-Relationship (E-R) Diagram



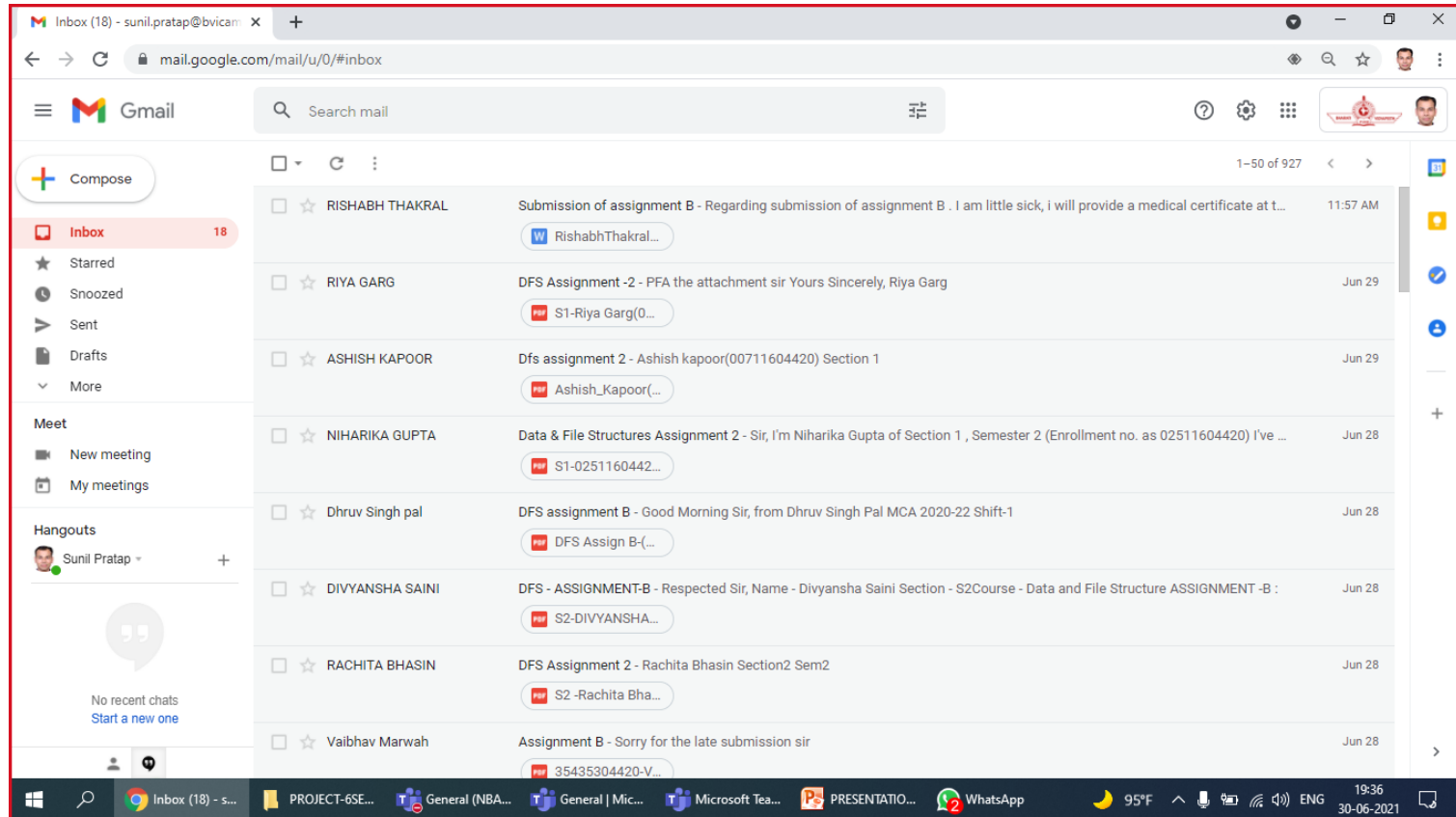
# Title of Diagram

- 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



**Inbox (18) - sunil.pratap@bvicam**

mail.google.com/mail/u/0/#inbox

**Gmail** Search mail

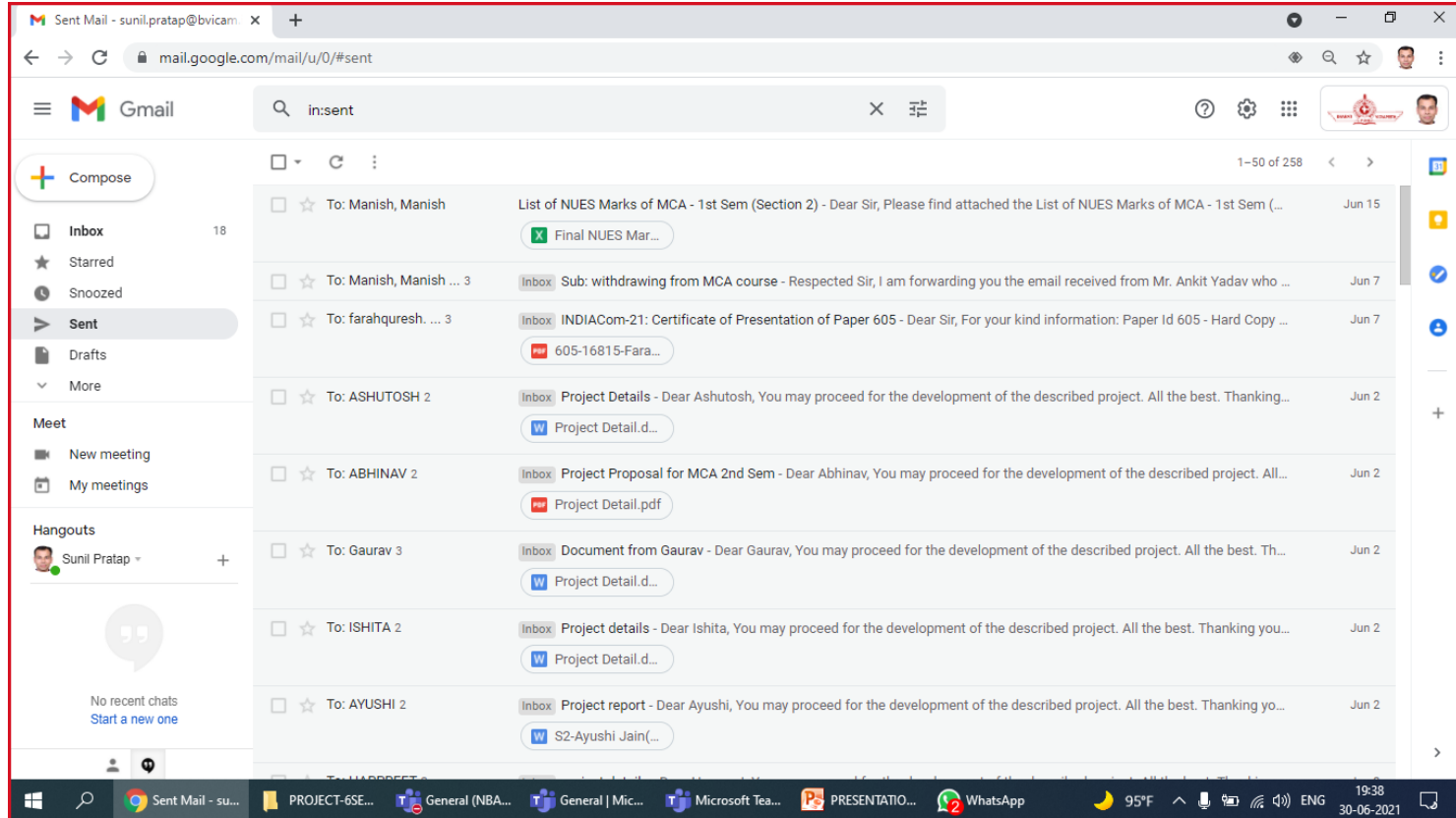
1-50 of 927

Sender	Subject	Time
RISHABH THAKRAL	Submission of assignment B - Regarding submission of assignment B . I am little sick, i will provide a medical certificate at t...	11:57 AM
RIYA GARG	DFS Assignment -2 - PFA the attachment sir Yours Sincerely, Riya Garg	Jun 29
ASHISH KAPOOR	Dfs assignment 2 - Ashish kapoor(00711604420) Section 1	Jun 29
NIHARIKA GUPTA	Data & File Structures Assignment 2 - Sir, I'm Niharika Gupta of Section 1 , Semester 2 (Enrollment no. as 02511604420) I've ...	Jun 28
Dhruv Singh pal	DFS assignment B - Good Morning Sir, from Dhruv Singh Pal MCA 2020-22 Shift-1	Jun 28
DIVYANSHA SAINI	DFS - ASSIGNMENT-B - Respected Sir, Name - Divyansha Saini Section - S2Course - Data and File Structure ASSIGNMENT -B :	Jun 28
RACHITA BHASIN	DFS Assignment 2 - Rachita Bhasin Section2 Sem2	Jun 28
Vaibhav Marwah	Assignment B - Sorry for the late submission sir	Jun 28

No recent chats  
Start a new one

Windows Taskbar: PROJECT-6SE..., General (NBA..., General | Mic..., Microsoft Tea..., PRESENTATIO..., WhatsApp, 95°F, 19:36, 30-06-2021

# 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”, 4<sup>th</sup> ed., McGraw Hill Publication, 2016.
- **Book 2**

- **Websites:**

- [www.bvicam.in/index.html](http://www.bvicam.in/index.html), [Accessed on 30 June, 2021].
- **Other Website**