E-Commerce Web Application

CAPGEMINI INDIA PVT. LTD

A training report

Submitted in partial fulfilment of the requirements for the award of degree of

Computer Application & Information Technology
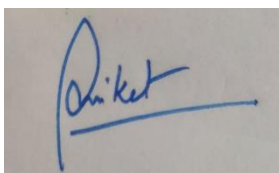
LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB

SUBMITTED BY

Name of the student: Aniket	**Submitted to: Sambath Kumar**
Registration Number: 12008170	**Email ID: sambath26573@lpu.co.in**
Signature of the student:	**Designation: Asst. Professor**

Student Declaration
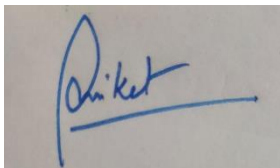
To whom so ever it may concern

I, Aniket,12019208, hereby declare that the work done by me on "E-Commerce Web Application" from January-2022 to May -2022, under the supervision of Ms. Samruddhi Zarapkar , Senior Cosultant is a record of original work for the partial fulfilment of the requirements for the award of the degree, Master's in Computer Application.

Name of the Student (Registration Number)

Aniket

12019208

Signature of the student Dated:

13/05/2022

Declaration by the supervisors

To whom so ever it may concern

This is to certify that Aniket, 12019208 from Lovely Professional University, Phagwara, Punjab, has worked as a trainee in Capgemini on "E-Commerce Web Application" under my supervision January-2021 to May-2021. It is further stated that the work carried out by the student is a record of original work to the best of my knowledge for the partial fulfilment of the requirements for the award of the degree, Masters in Computer Application.

Name of External Supervisor

Samrudhi Zarapkar

Name of Internal Supervisor

Sambath Kumar

Designation of the External Supervisor

Sr. Consultant

Designation of the Internal

Asst. Professor

Signature of the external Supervisor

Signature of the Internal Supervisor

Dated: 13/05/2022

Dated: 13/05/2022

Training certificate from organisation/ Company/LOI

Capgemini

Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
IT 1, IT 2, Airol MIDC, Thane - Belapur Road,
Navi Mumbai 400708, Maharashtra, India.
Tel: +91 22 7144 4283 | Fax: +91 22 7141 2121
www.capgemini.com/in-en

Superset ID: 1239431

Letter of Intent ("LOI")

Dear Aniket Sharma,

With reference to your interview conducted by us, we are pleased to inform that you have been shortlisted for the position of **Analyst** and **A4** with **Capgemini Technology Services India Limited** (hereinafter referred to as"Capgemini").

In this regard, we are proposing compensation package and benefits, the details of which are set forth in **Annexure 1** to this letter.

The final Employment Offer Letter shall be subject to your successful completion of all curricular requirements as laid down by the University/ Institute for award of the degree/ diploma and the minimum passing percentage/ grade/ rank/ class as determined by Capgemini.

The location of your initial reporting and training and the date of your joining would be communicated to you in due course of time post successful completion of your pre-joining trainings and final semester degree/ diploma examination.

The date of joining and the location of posting will be purely based on business requirements of Capgemini. Capgemini solely reserves the right to make any changes to the date of joining and the location of posting during the course of your training and employment with Capgemini.

Upon accepting this LOI, you will be provided access to the ADAPT (Accelerated Digital Aid for Pre-onboarding Talent) eLearning platform which allows you to learn and master the concepts and skills required to be industry ready. The learning will be a self-paced journey inclusive of assignments, assessments and webinars as deemed appropriate by Capgemini and the successful completion of the same is a prerequisite for joining Capgemini.

It is very essential that you effectively leverage this platform to complete the courses and clear the assignments and assessments. The progress made by you in this learning journey would not only help you in getting on-boarded on priority but also help you to be trained for advanced skills relevant to your career at Capgemini. We also encourage you to learn beyond the prescribed course curriculum and acquire industry recognized certifications to accelerate your career in this competitive industry.

Upon joining Capgemini,

1. You are expected to enter into an employment agreement with Capgemini which shall contain details including the scope, terms and conditions of your employment and the contractual obligation with Capgemini.
2. You will be on probation for a period of six months from your date of joining and subject to satisfactory performance your employment will be confirmed (vide written confirmation) at the end of six months.
3. During your probation you may be required to undergo classroom trainings for such duration as deemed necessary by Capgemini and your performance will be evaluated periodically during such training period

Capgemini reserves the right to decide the continuance of your further training and your employment depending on your performance in its opinion.

The terms of this Letter of Intent shall remain confidential and are not to be disclosed to any third party.

You may note that this letter should neither be construed as an offer of employment from Capgemini nor should it in any manner confirm our intent to make you an offer of employment. We may, at any time, at our discretion, revoke this Letter of Intent.

We would request you to go through the above terms, and let us know if they are acceptable to you, within seven days of the issuance of this letter.

We look forward to hearing from you. Should you have any query, please do not hesitate to contact fresherhiring.in@capgemini.com, please ensure below format of email subject -

- For queries on Letter of Intent (LOI), write to use with e-mail subject as: **Query on LOI - Superset ID 1239431**
- For queries about on-boarding process, please note the on-boarding communication will be sent once your document validation and verification process is completed. For further queries, write to use with e-mail subject as: **Query on On-Boarding - Superset ID 1239431**
- In case of any other query, write to use with e-mail subject as: **Other Queries- Superset ID 1239431**

Thanking you,
Yours Sincerely,
For & On Behalf of Capgemini

Tejinder Sethi
Head - Fresher Hiring

This is a system generated document and does not need a signature

Acknowledgement

I would like to convey my gratefulness to my mentor Ms. Samrudhi Zarapkar for the excellent guidance. The skills and knowledge which I have gained throughout my training I perceive as very valuable component in my future career development. As you know this Internship was part of my educational curricula and therefore, I thank you for providing me this opportunity.

I would especially like to thank my Team Leads for their generous support during my internship. They guided me to do my best in the training phase. My thanks and appreciation also to my colleagues for willing to help us, and above all to your good companionship. Thank you once again for your great support.

Table of Contents

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Chapter-1

INTRODUCTION OF THE COMPANY

<u>CAPGEMINI INDIA PVT. LTD.</u>

</div>

ABOUT ORGANISATION

Capgemini is a global leader in consulting, digital transformation, technology and engineering services. The Group is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms.
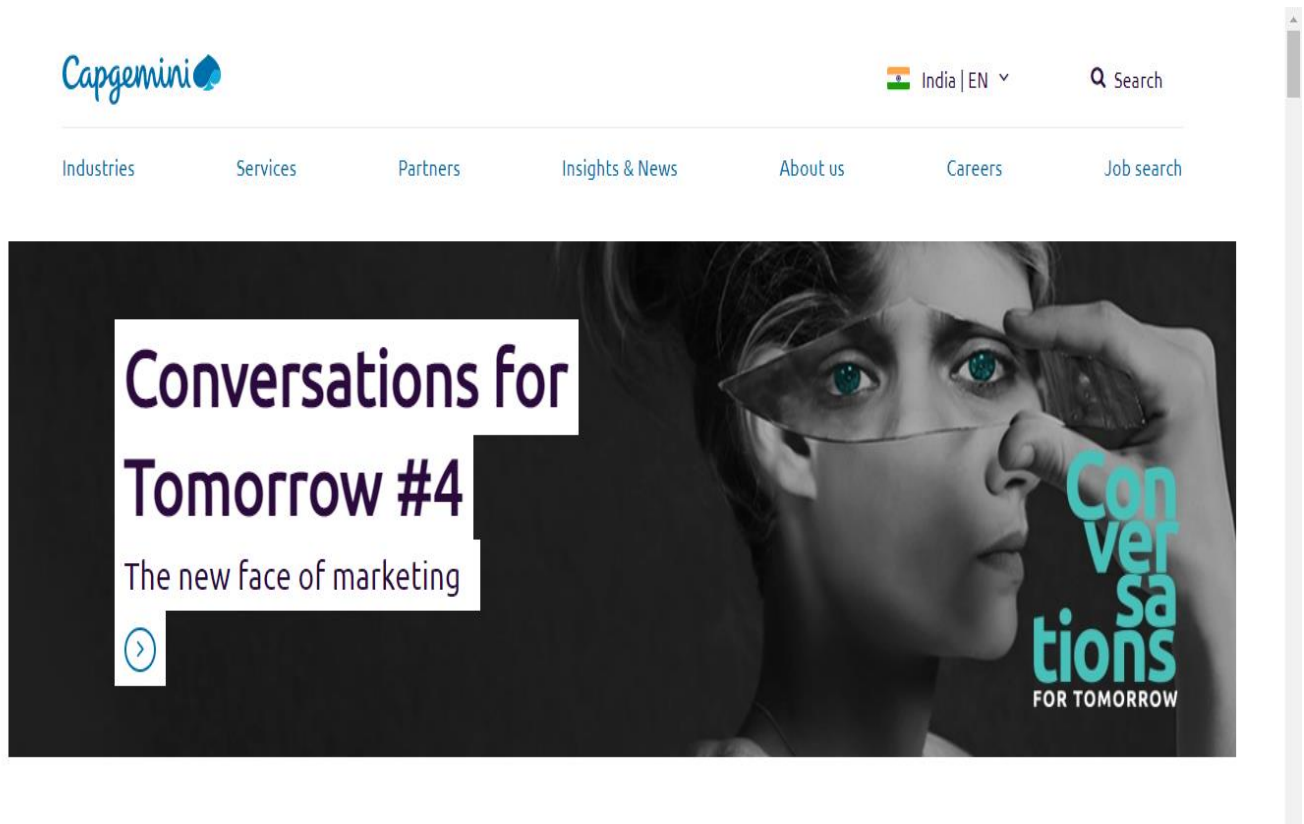
Capgemini is a responsible and diverse organization of 325,000 team members in nearly 55 countries. Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology.

FOUNDER OF CAPGEMINI:

SREGE KAMPF

Capgemini was founded by Serge Kampf in 1967 as an enterprise management and data processing company. The company was founded as the *Société pour la Gestion de l'Entreprise et le Traitement de l'Information* (Sogeti).

In 1974 Sogeti acquired Gemini Computers Systems, a US company based in New York. In 1975, having made two major acquisitions of CAP (Centre d'Analyse et de Programmation) and Gemini Computer Systems, and following resolution of a dispute with the similarly named CAP UK over the international use of the name 'CAP', Sogeti renamed itself as CAP Gemini Sogeti.

Cap Gemini Sogeti launched US operations in 1981, following the acquisition of Milwaukee-based DASD Corporation, specializing in data conversion and employing 500 people in 20 branches throughout the US. Following this acquisition, The U.S. Operation was known as Cap Gemini DASD.

In 1996, the name was simplified to Cap Gemini with a new group logo. All operating companies worldwide were re-branded to operate as Cap Gemini.

Ernst & Young Consulting was acquired by Cap Gemini in 2000. It simultaneously integrated Gemini Consulting to form Cap Gemini Ernst & Young.

In 2017, Cap Gemini S.A. became Capgemini SE, and its Euronext ticker name similarly changed from CAP GEMINI to CAPGEMINI.

In July 2020, Capgemini reported that it has been named as a pioneer in Everest Group's Guidewire IT services called "Guidewire Services PEAK Matrix® Assessment 2020 – Setting the Key Phase on Cloud."

In June 2021, Capgemini partners with Sanofi, Orange & Generali to launch Future4care, a European start-up accelerator focused on digital healthcare. Capgemini has over 300,000 employees in over 50 countries, of whom nearly 125,000 are in India.

It's 1967 in Grenoble, France: Television broadcasts are in color for the first time. The city is buzzing about the upcoming 1968 Winter Olympics. Inspired by these exciting technological and cultural changes, entrepreneur Serge Kampf decides the time is ripe to launch an IT company. And so began the Capgemini story.

CURRENT CEO OF CAPGEMINI:

AIMAN EZZAT

Aiman Ezzat succeeded Paul Hermelin as French technology major Capgemini's new CEO. Hermelin continues as Chairman of the Board.

Ezzat, earlier the Chief Operating Officer, was appointed as CEO of the Capgemini Group on Wednesday at the close of the Annual General Meeting of Shareholders.

According to the company, during his tenure as Chief Operating Officer from January 2018 to May 2020 and prior to this as Chief Financial Officer, from December 2012 to 2018.

The Capgemini Group Executive Committee consists of 27 members.[23] On 20 May 2020, Aiman Ezzat was appointed as the new CEO.

He is associated with Capgemini for more than 20 years. From 2005 to 2007, Aiman was Capgemini's Deputy Director of Strategy. In November 2007, Ezzat was appointed COO of the Financial Services

Global Business Unit, and became its Global Head in December 2008 till 2012. From January 2018 to May 2020, he served as Chief Operating Officer and prior to this as Chief Financial Officer, from December 2012 to 2018.

From 2012 to 2020 Paul Hermelin served as the Group Chairman and CEO. He joined Capgemini in 1993 and was appointed as its CEO in 2002. In May 2012, Hermelin became chairman and CEO of the Capgemini Group. He succeeded Serge Kampf, who served as the Vice Chairman of the Board until his death on 15 March 2016.

CEO OF CAPGEMINI INDIA:

ASHWIN YARDI

Ashwin is CEO of Capgemini Technology Services India and also a member of Capgemini Group Executive Committee.

Ashwin Yardi is an accomplished leader with more than twenty five years of experience in consulting and information technology. During this period, Ashwin has performed several leadership roles driving top-line and bottom-line of various business units in Capgemini.

Ashwin's strength is in driving transformation internally within the organization resulting in significant growth and bottom-line impact. And also working closely with customer in helping them achieve their business transformation.

Ashwin has hand-on experience in various enterprise and CRM applications such as SAP, Oracle and Siebel. Also, Ashwi n is very well versed with new age Digital and Big Data platforms and various automation tools.

Ashwin has extensive experience in international and multi-cultural environment and has spent several years in North and South America, Netherlands, Australia and Asian countries.

CAPGEMINI Brands

1) Capgemini Invent. Capgemini Invent combines strategy, technology, data science, and creative design expertise with an inventive mindset. ...

2) Capgemini Engineering. Capgemini Engineering is the Engineering and R&D powerhouse of the Capgemini Group. ...

3) Sogeti. ...

4) frog. ...

5) Cambridge Consultants. ...

6) Purpose.

SERVICE PROVIDED BY CAPGEMINI

Capgemini India is a division of Capgemini which is a premier consulting, technology, and outsourcing company, headquartered in Paris, with an employee count of 75,000 and operations in more than 30 countries.

Apart from its USA offices (Chicago, Texas, Michigan, Philadelphia, Virginia, New York etc.), Capgemini has an extensive network of offices, spanning locations such as Canada, Mexico, Brazil, Brunei, China, Australia, Indonesia, Japan, Singapore, Austria, Germany, Hungary, U.K, Italy, Vietnam, Dubai and many more. Capgemini India offices are located in Bangalore, Mumbai, and Kolkata.

In keeping with Capgemini's global services, Capgemini India offers extensive services to its clients in the following sectors:

- Business Consultancy
- Technology Services
- Outsourcing Services
- Custom Software Development
- Manufacturing
- Automotive
- Consumer Products, Retail and Distribution
- Energy, Utilities, and Chemicals
- Financial Services
- Healthcare
- Life Sciences
- Public Services
- Telecom, Media, and Entertainment

CAPGEMINI INDIA CONSULTING SERVICES

With its business consultancy division, Capgemini India provides clients with growth strategies that bring about improvement in company performance, revenues, and processes. Capgemini India also provides services pertaining to market research and analysis. Capgemini India technology services

Capgemini India is well known for conceptualizing and integrating technological solutions to cater to clients' need for technological innovation in infrastructure and systems architecture. Towards this end, Capgemini has strategic partners such as Microsoft, Cisco, Dell, Oracle, HP, IBM, and SAP in order to deliver the best quality technological support to its clients.

CAPGEMINI INDIA OUTSOURCING SERVICES

Capgemini India is stepping up its operations as far as managing clients' IT resources are concerned. The main reason why clients hire Capgemini India outsourcing services is to strike the ideal cost-performance balance. For areas such as business process outsourcing and pricing flexibility, Capgemini has collaborated with global strategic partners.

Capgemini India has successfully worked with clients such as Domino foods, AXA, Cadbury Schweppes, Citibank, and ABN Amro among many others.

Capgemini India prides itself in being driven by values such as honesty, freedom, trust, modesty, team spirit, and fun while catering to the needs of its clients in a dynamic business environment. During its 40 year old history, Capgemini has earned the reputation of being a world leader in business consultancy services. Capgemini India too, in a short span of time, has been able to capture a significant market share and plans to increase its India operations to a large extent.

VISION AND MISSION

"we want to enable the companies to find the best software service providers anywhere in the world. To that effect, we are building an invite only marketplace for trusted software development companies".

As a company, finding a vetted devloepment company that matches your requirements and preferences is time consuming as there are many service providers of varying quality and specialties. As an experienced software service provider, it's always hard to stand out as there are many players it the space and most of the time clients are located in different countries making marketing difficult. We have seen many projects fail because companies went with a development team not fit for their needs. This happens often because development firms try to get more and more projects without caring about client's projects requirements and their workforce abilities.

FEATURES

Outsourcing Enablement - Best practices, by default.

A majority of software outsourcing projects fail due to avoidable communication and management issues. Well, not anymore!

Stay Agile with

Milestone Management

- Easily enforce an agile process by dividing the project into milestones and tracking them through the entire life-cycle.
- Keep the stakeholders accountable with checklists for each step in the lifecycle.
- Milestone driven development ensures quick feedback cycles and flexibility to accommodate changes in scope.

Ensure Accountability with On Time Performance Tracking

Track delays and OTP (On Time Performance) for each milestone, thereby ensuring timely delivery of the project.

Ensure Transparency with Code Activity Analytics

Track activity at the micro level. See how many lines of code are written each day, analyse which developers are most active and get smart alerts when there is unusual or no activity!

Follow Code Standards with Automated Code Reviews

Get a Quality Score for the committed code! Our smart code review analysis algorithms can analyse the code and provide metrics for:
- Complexity
- Duplication
- Styling
- Documentation

Avoid Disagreements with Change Management
Remove any room for confusion with structured change management. Clearly track a change request's impact on timeline and budget.

Stay on the same page with Smart Communication

- Project chat centralizes all communication and keeps the Project Governor cc'd in case a review is required during a dispute.

- Mandated Weekly Status updates ensure that no communication vacuum exists with the outsourced team.

Get Professional Oversight under Project Governor

- You're busy and we know it. Leverage the experience of a trained and experienced project governor to keep track of the project for you.

- The governor ensures that the expectations are always aligned, best practices are followed throughout and all disputes are resolved right away.

*Currently only available to premium members. For basic members, an automated Artificial Intelligence powered bot is available.

Integrate with Existing Workflows and Platforms

Use a project management or a continuous integration tool? Get everything to work together in sync with an easy to use API.

Continue Iterating with Ideation Forum

- After launching your product, the Ideation forum will help you collect feedback and ideas so you can continue iterating.

- The forum helps build a community and incentivizes people to share thoughts around how to make the user experience better.

Development Team Vetting Process

VPVet

Only the best 4% Make It Through Our Vetting Process

1. Experience Audit

- Portfolios are thoroughly screened against high benchmarks.

- Past clients are interviewed to ensure they had a great experience.

2. Process Review

- It is ensured that each team follows sophisticated agile practices.

- English proficiency and communication skills are tested.

- Understanding of remote work tools and processes are assessed.

3. Code Review

- Open source contributions are reviewed to get a better sense of coding style and thought process.

- Code is evaluated to ensure consistent software architecture and documentation practices.

4. Trial Project

- At times, a trial project is done to ensure a great overall experience.

SERVICES

Technical ConsultancyServices

VenturePact is a dynamic Startup and has switched to a new model of technical assistance. We have an invi-toenly marketplace of vetted development companies that take up client assignments on a contractual basis. We invest a great amount of effort and manpower to locate, research, interview and perform background checks on interested developer organizations. All organizations are filtered on the basis of experience and technical proficiency.

Our clients get to choose the perfect supplier satisfyinthgeir location, budget and technical preferences. Quotes, talent profiles, portfolios and client reviews can be perused before a deal is struck. The need to submit responses to multiple parties is eliminated because the client requirements and preferenaceres kept at one single location. All parties involved signNon-DisclosureAgreements to ensure that any information leaks do not occur. The client is offered an option to choose from among the different developers who match their needs.

Our Filtering Process:

1) Short Call

Our Software Architects collect the project information over one short call.

2) We Filter

We find 3 potential partners for your project and share

details with them.

3) Companies Pitch

They share their customer proposals for client's project and

needs

4) Get Started

Client decides who they want to work with and get the project started.

Chapter-2

INTRODUCTION OF THE PROJECT UNDERTAKEN

E-Commerce Web Application

About Project

The project I was worked was to be more confident about the technologies I have used it. I have learnt several technologies and implemented into this project.

1.0 Document Purpose

This document describes the solution architecture for the Shopping cart system micro service

It is an e-commerce application based on the micro services architecture built using Spring Boot and AngularJS.

2.0 Intended Audience

This document is intended as a reference for the following roles and stakeholders.

Role	Nature of Engagement
Merchants	**Registering into Website,Login into Website,Adding products,Updating products,Deleting products,,Updating Profile**
Customer	Registering into Website,Login into Website,Updating Profile ,Adding product to Cart,Updating/ Deleting the Products in cart,Placing the order,Making Payment

3.0 Project Background, Objective(s)

3.1 Project Background

E-commerce is the activity of buying or selling of products on online services or over the Internet. There are two roles one is the merchant where he sells the products, and the other is the customer. Here customers can create an account and log in to their active account. Users can browse various types of products. Products on this site will be displayed category-wise.

Users can browse through the products and gradually add them to their cart. When the user completes adding the necessary items, then he clicks checkout, which redirects him to the checkout page where the total of the products in the cart is displayed

It also allows users to make payment through various modes like wallet payment and cash on delivery. Users can also update their profile.

3.2 Project Objective

Shopping Cart System will perform the following operations:

• Users can search for a product without login and access the website.

• Users can add or remove products from the cart.

• For placing the order the user has to log in or create an account if he doesn't have an active account.

• User can update the profile whenever he needs to update.

TECHNOLOGIES:

Frontend: HTML, CSS, JS, Angular

Backend: Spring rest, Spring Boot, Micro Services, Eureka Server,

Spring Cloud Gateway.

Database: Mongo DB

MICROSERVICES IDENTIFIED:

Microservice Name	PORT Number
profile-service	8082

Microservice Name	PORT Number
product-service	8083

Microservice Name	PORT Number
cart-service	8084

Microservice Name	PORT Number
order-service	8085

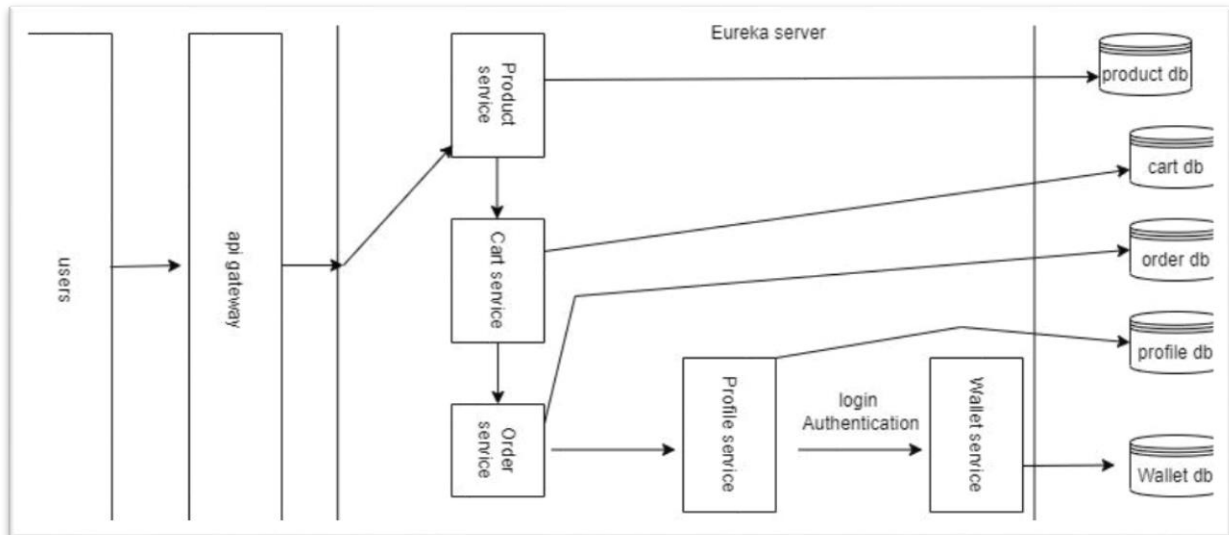| Microservice Name	PORT Number
wallet-service	8086

ROLES IDENTIFIED:

Roles	Nature of Engagement
Merchant	Registering into Website, Login into Website, Adding products, Updating products ,Deleting products, Updating Profile
Customer	Registering into Website, Login into Website, Updating Profile ,Adding product to Cart, Updating/ Deleting the Products in cart, Placing the order, Making Payment

SYSTEM ARCHITECTURE OF PROJECT

Front End -> ANGULAR

- Home
- Login
- SignUp
- View Product
- Cart
- Profile
- Orders
- Add Product
- Edit Product

localhost:4200

user

User

Rest APIs

MICROSERVICES

DATA-BASE (MONGO-DB)

Eureka server
(Discovery server)
localhost:8761

API-Gateway
(localhost:8050)

SpringBoot

1.User Service -Security
(Port.no-8054)

Profile Database

2.Catalog Service
(Port.no-8053)

Product Database

3.Cart Service
(Port.no-8055)

Cart Database

4.Order Service
(Port.no-8086)

Order Database

ShoppingCart (Project)
Name:-Aniket

WORK FLOW OF THE PROJECT

MICRO SERVICES AND THEIR ROLE :
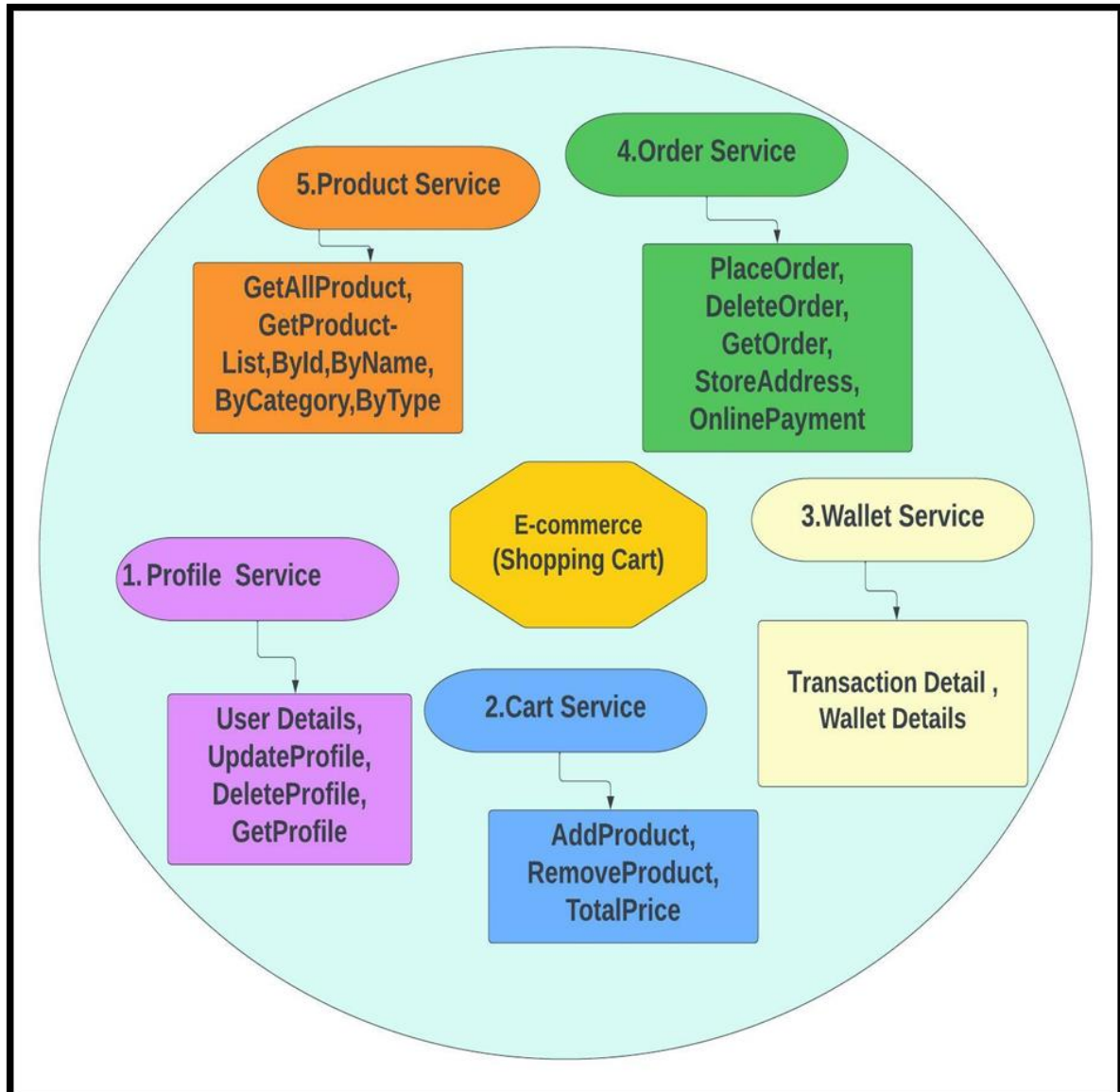
(a)profile-service:

Data Model:

#	UserProfile	
	profileId	int
	fullName	String
	emailId	String
	mobileNumber	Long
	about	String
	dateOfBirth	LocalDate
	gender	String
	role	String
	password	String
#	Address	
	houseNumber	String
	streetName	String
	colonyName	String
	city	String
	state	String
	pincode	int

Classes :

1.UserProfile.java – Contains the details of user

2.Address.java – Contains the Address of User

3.ProfileResource.java – Rest Controller class

4.ProfileService.java – get all profiles, get profile by ID, Update profile, Delete profile

5.ProfileRepositiory.java- It connects with MongoDB

API CANVAS:

Path	Request Type	Description
/get	GET	get all Profiles
/get/{id}	GET	get profile by id
/get/{number}	GET	get profile by number
/get/{name}	GET	get profile by User Name
/add	POST	add new profile
/update/{id}	PUT	update profile
/delete/{id}	DELETE	delete profile

(b)product-service:

Data Model:

#	Product	Data Type
	productId	int
	productName	string
	productType	String
	productCategory	String
	productDescription	string
	productPrice	double

Classes -

Class/methods	Description
Product.java	Model holds the Product schema details.how
ProductController	Rest Controller
ProductService.java	It contains the business logic for Products which calls the ProductRepository to get Product data from database.
ProductRepository	It deals with the data accessibility for Products from database.
getAllProducts	Get All Products
getProductById	Get a specific product by passing product id
getProductbyName	Get a specific product by passing product name
getProductbyCategory	Get Products by passing category name
getProductbyType	Get Products by passing category type
addProducts(admin)	To add a product
updateProduct	To update a product
deleteProduct	To delete a product

API CANVAS:

Path	Request Type	Description	Role
/get	GET	get all products	customer/merchant
/getProduct/{id}	GET	get product by id	customer/merchant
/getProduct/{name}	GET	get product by name	customer/merchant
/getProduct/{category}	GET	get products by category	customer/merchant
/getProduct/{type}	GET	get products by type	customer/merchant
/add	POST	add products	Merchant
/update/{id}	PUT	update product	Merchant
/delete/{id}	DELETE	delete product	Merchant

(c)cart-service :

Data Model

S.no	Cart	Datatype
1.	cartId	INT
2.	totalPrice	double

3.	price	double
4.	productNa me	String
5.	quantity	INT

Classes -

Class	Description
cartServiceImpl.j ava	This is a modal class which is used to CRUD Operation on DataBase.
cartRepository.ja va	This is an Interface that connects the micro service to Database .
cartService.java	This is an Interface which is used to CRUD Operation on DataBase
cartResource.jav a	This is the RestController Class
Cart.java	Model class for getter and setter method for the cart id , items and totalPrice

Items.java	**Model class have getter and setter method for the price , ProductName and quantity**

API CANVAS:

Path	Request Type	Description	Role
/get	GET	get all cart	customer
/get/{id}	GET	get cart by id	Customer
/get/{Total}	GET	get the total price	Customer
/add	POST	add	Customer
/update	PUT	update cart	Customer

(d)order-service:

Classes -

#	Class	Description
1	OrderServiceApplication.java	Responsible to run spring boot application.
2	Order.java	Contains complete order details such as customer details, product details, shipping address, order status, order updates etc.
3	Address.java	Contains address of client such as houseNumber, streetName, colonyName, city, state, pincode
4	Cart.java	Contains cart_id, product_id and product present in client cart, price
5	ProductInOrder.java	Contains id, name, description, etc of the product
6	AddressRepository.java	Access data using customer_id from database

7	OrderRepository.java	Fetch data using customer_id, order_id
8	OrderController.java	Rest controller class
9	OrderService.java	It will perform crud operations with database.
10	ShippingAddress.java	Contains shipping address.

Data Model:

S.No	Cart	Datatypes
#	Order	#
1.	orderId	INT
2.	orderAmount	Big decimal
3.	orderStatus	INT
#	Address	#
1.	houseNumber	Varchar(20)
2.	street	Varchar(30)
3.	state	Varchar(20)
4.	city	Varchar(20)

5.	phoneNumber	INT	
6.	country	Varchar(20)	
7.	pincode	INT	

API CANVAS:

Path	Request Type	Description	Role
/get	**GET**	**get all orders**	**customer**
/get/{id}	**GET**	**get order by id**	**Customer**
/placeOrder	**POST**	**place order**	**customer**
/cancel/{id}	**DELETE**	**Cancel order**	**Customer**

(e)wallet-service:

Data Model :

#	Statement	
	statementId	int
	transactionType	String
	amount	double
	dateTime	LocalDateTime

#	Wallet	
	walletId	Int
	currentBalance	Double

Classes :

1.Statement.java - Contains the Details of transaction.

2.Wallet.java- Contains the Details of the wallet like: balance and walletId

3.WalletResource.java - Rest Controller Class

4.WalletService.java - getWallet, getStatements

API CANVAS:

Path	Request Type	Description
/get	GET	get all wallet
/get/{id}	GET	get wallet by id
/get/{Statements}	GET	get all Statements
/get/{statementId}	GET	get statement by Id

Chapter-3

BRIEF DESCRIPTION OF THE WORK DONE

E-Commerce Web Application

INTRODUCTION

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.

The objective of this project is to develop a general purpose e-commerce store where product like clothes can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online shopping for clothes.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction.

Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. An e-mail notification is sent to the customer as soon as the order is placed.

DESCRIPTION

Any member can register and view available products.

Only registered member can purchase multiple products regardless of quantity.

There are three roles available: Visitor, User and Admin.

• Visitor can view available products.

• User can view and purchase products.

• An Admin has some extra privilege including all privilege of visitor and user.
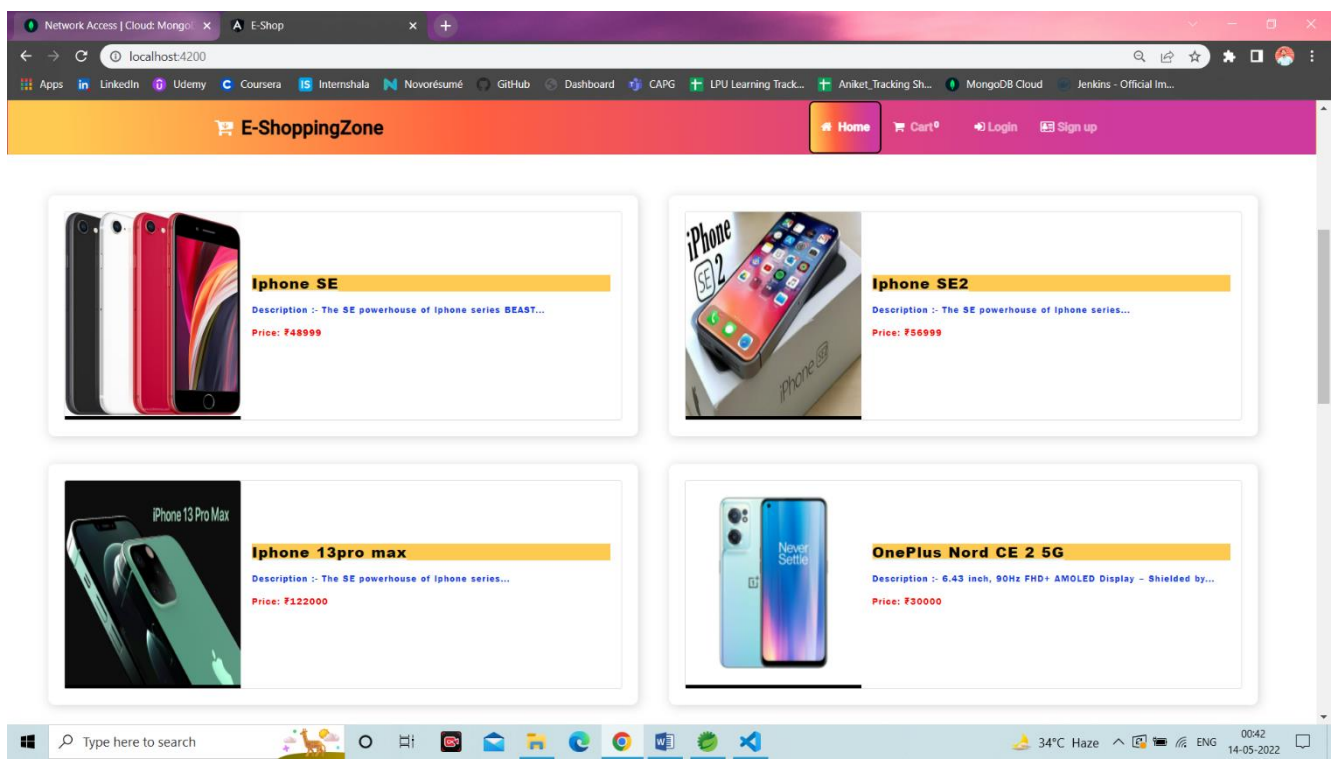
Admin can add products, edit product information and add/remove product.

Admin can add user, edit user information and can remove user.

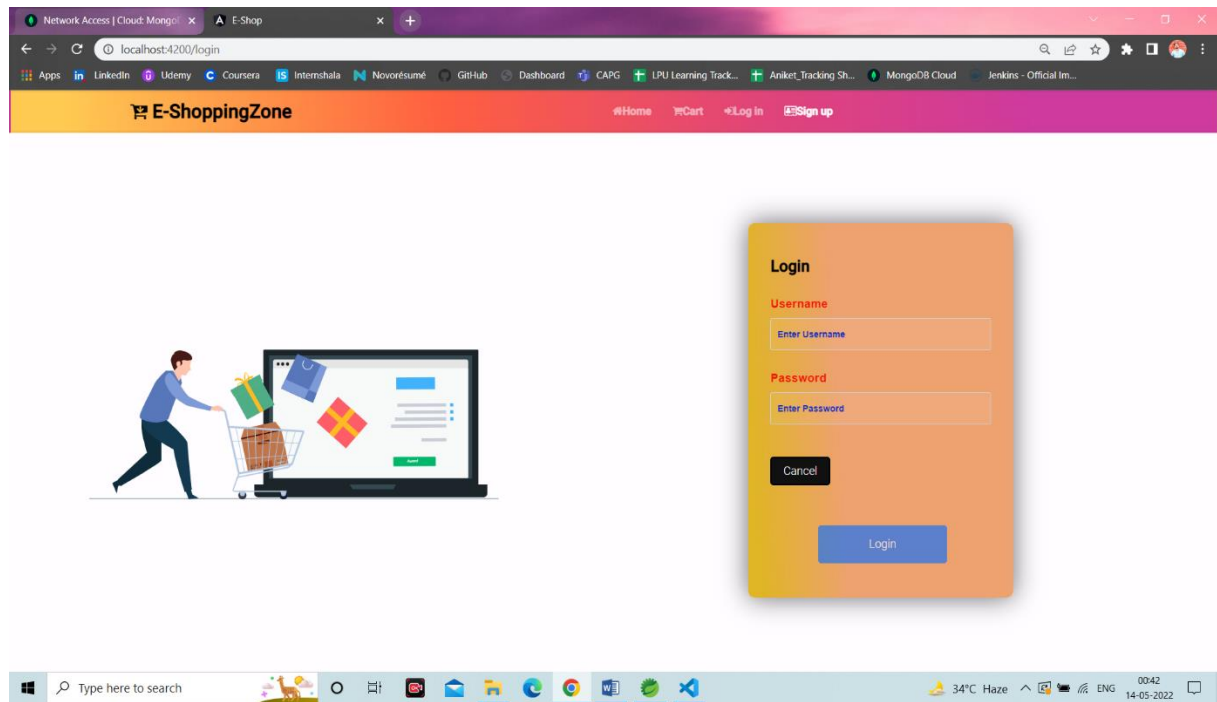# USER INTERFACE OF THE E-COMMERCE WEB APPLICATION

Home Page

This is the home page of the E-shopping Zone website, Where any one can visit and explore the product available .
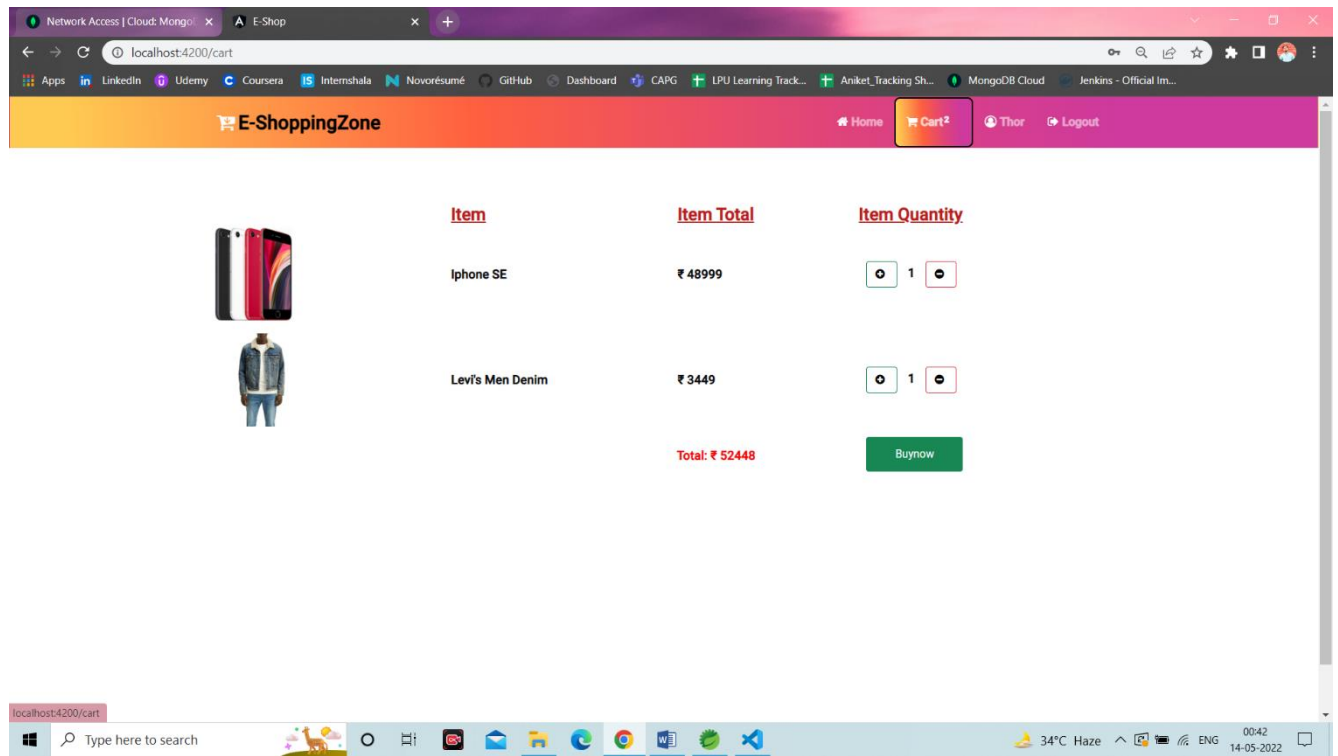
Login Page

This is the login page of the E-shopping Zone website, where User can login the account with their credentials
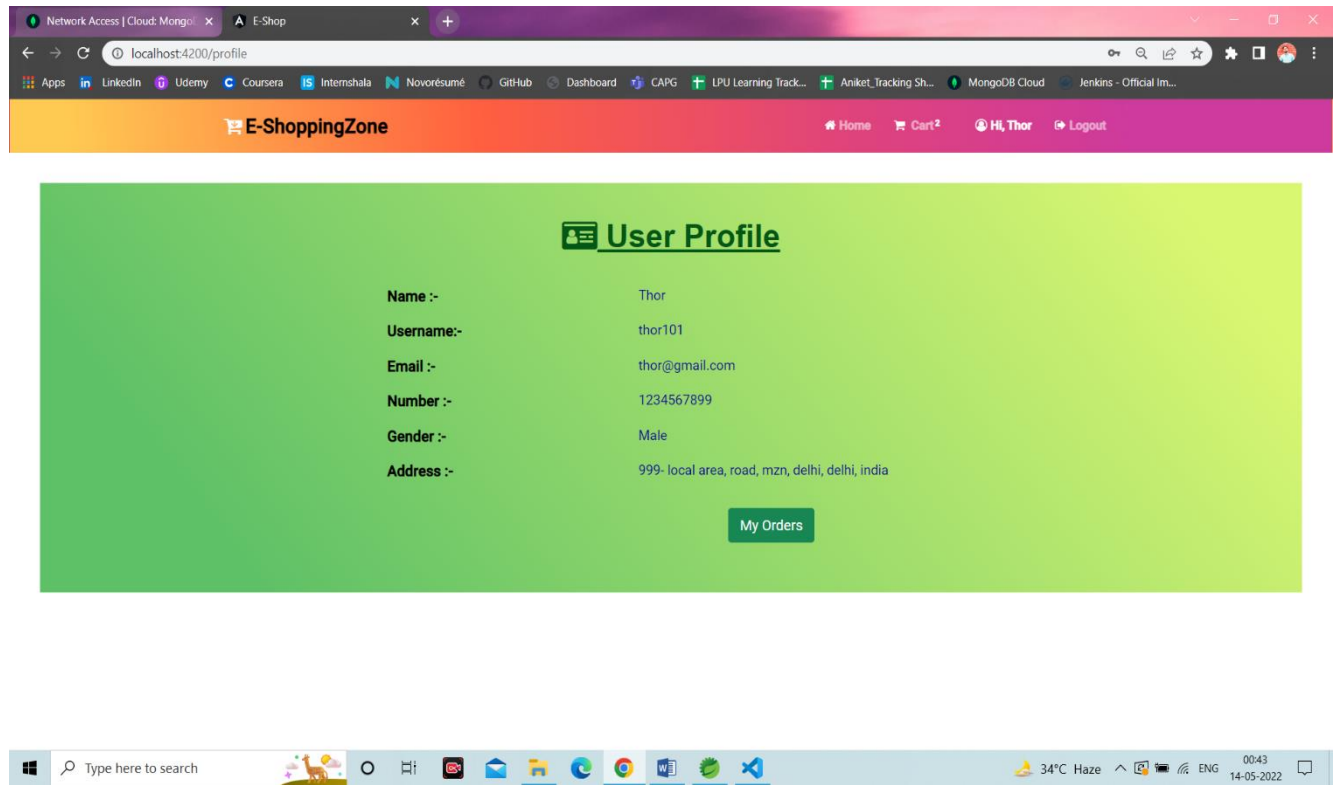
Shopping-Cart

This is the Cart page of the E-shopping Zone website, where the user can add their favourite product in the cart.

User Profile page

This is the Profile page of the E-shopping Zone website, where user can see their Personal Details like – Name, Username, Email and Address.

CONCLUSION

Overall, internship was a useful experience. I have gained a lot of knowledge and skills altogether. I met many new people and achieved many goals. I got insight into professional practice. I learned the different facets of working within Teams. Furthermore

During the internship I was able to find out what my strengths and weaknesses are. This helped me to define what skills and knowledge I must improve in the coming time. The internship gave me a brief overview of the actual industry and I think I will be able to continue in the same field for my career.

Also, Capgemini is the best place for any fresher to work in. I believe the first month will be very difficult for anyone during the training but once you get out your life will be much sorted. During this period of internship, I have learned a lot of new stuff of different departments.

The biggest thing I have learned is no matter how much you know there is

always something to learn.

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