**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**

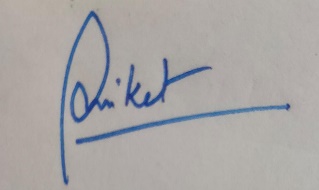


**SUBMITTED BY**

**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

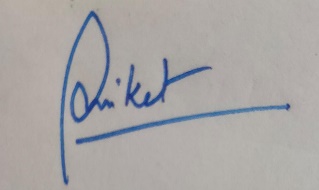
I, Aniket,12019208, hereby declare that the work done by me on “E-Commerce Web Application” from January-2022 to May -2022, under the supervision of Ms. Samruddhi Zarapkar , Senior Cosultant is a record of original work for the partial fulfilment of the requirements for the award of the degree, Master’s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

**Samrudhi Zarapkar**  **Sambath Kumar**

**Designation of the External Supervisor**  **Designation of the Internal**

**Sr. Consultant 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**

Text, letter

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**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**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Title** | **Page** |
| 1 | Declaration by Student | 2 |
| 2 | Declaration by Supervisor | 3 |
| 3 | Training Certification from organization | 4 |
| 4 | Acknowledgement | 6 |
| 5 | List of Content | 7 |
| 6 | Chapter-1 INTRODUCTION OF THE COMPANY | 8 |
| 7 | Chapter-2 INTRODUCTION OF THE PROJECT UNDERTAKEN | 22 |
| 8 | Chapter-3 BRIEF DESCRIPTION OF THE WORK DONE | 40 |
| 9 | Final Chapter- CONCLUSION AND FUTURE PRESPECTIVE | 45 |
| 10 | References | 46 |

**Chapter-1**

**INTRODUCTION OF THE COMPANY**

**CAPGEMINI INDIA PVT. LTD.**

**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.

**Graphical user interface, application, Word

Description automatically generated**

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:**

**A person in a suit and tie

Description automatically generated with low confidence**

**SREGE KAMPF**

Capgemini was founded by [Serge Kampf](https://en.wikipedia.org/wiki/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](https://en.wikipedia.org/wiki/CAP_Group) 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](https://en.wikipedia.org/wiki/Ernst_%26_Young) 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](https://en.wikipedia.org/wiki/Sanofi), [Orange](https://en.wikipedia.org/wiki/Orange_S.A.) & [Generali](https://en.wikipedia.org/wiki/Generali_Italia) to launch Future4care, a [European](https://en.wikipedia.org/wiki/Europe) 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:**

**A person in a suit

Description automatically generated with medium confidence**

**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]](https://en.wikipedia.org/wiki/Capgemini#cite_note-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](https://en.wikipedia.org/wiki/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](https://en.wikipedia.org/wiki/Serge_Kampf), who served as the Vice Chairman of the Board until his death on 15 March 2016.

**CEO OF CAPGEMINI INDIA:**

**A person in a suit smiling

Description automatically generated with low confidence**

**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:**

#### **Short Call**

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

#### **We Filter**

We find 3 potential partners for your project and share details with them.

1. **Companies Pitch**

They share their customer proposals for client’s project and needs

1. **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**

**Diagram

Description automatically generated**

**WORK FLOW OF THE PROJECT**

**Diagram, engineering drawing

Description automatically generated**

**MICRO SERVICES AND THEIR ROLE :**

**Diagram

Description automatically generated**

**(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.** | **productName** | **String** |
| **5.** | **quantity** | **INT** |

**Classes -**

|  |  |
| --- | --- |
| **Class** | **Description** |
| **cartServiceImpl.java** | **This is a modal class which is used to CRUD Operation on DataBase.** |
| **cartRepository.java** | **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.java** | **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 .

**Graphical user interface

Description automatically generated**

# 

# **Login Page**

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

# Graphical user interface, application, PowerPoint Description automatically generated

# **Shopping-Cart**

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

# Graphical user interface Description automatically generated

# **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.

# Graphical user interface, table, Excel Description automatically generated

**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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