



PES UNIVERSITY, BANGALORE

Department of Computer Science and Engineering

ShopMe (E-commerce website)

Project Report

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SE concepts/principles/methods used to complete the project along with relevant artifacts created.

Software Life cycle model used:

SCRUM(Agile) framework has been used for this project.

Software Requirements Specification

ShopMe (E-commerce website)

Prepared by Team,

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I. Proposal of the Project :

ShopMe is an integrated software solution that addresses the commercial market's real-world issues. It greatly improves the efficiency of the entire data collection and processing process.

This system will assist in managing orders and delivering the goods provided to store owners via our website "ShopMe." Hence This makes it possible for both small- and large-scale restaurants to use the software and register on the marketing domain through our website, effectively managing their online component of their business. The shop owner can assess the entire system and examine his sales

QUICK-TERM PLAN :

The initial few weeks will be devoted to designing the key functionalities, such as the menu, cart, order taking, and calculating the products listed in the store. Functionalities for logging in will be added after features are functional.

FUNCTIONALITY SPLIT UP :

Siddarth M.P : Tester

PavanKumar Hegde : Back-End

Shuchith B U : Front-End

Siddharth M : Database Connectivity

II. Software Requirement Specification (SRS) :

Revision History

1. Introduction

- 1.1 Purpose
- 1.2 Intended Audience and Reading Suggestions
- 1.3 Product Scope
- 1.4 References
- 1.5 Outcome
- 1.6 Description

2. Overall Description

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- 2.6 Assumptions and Dependencies

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- 3.2 Software Interfaces
- 3.3 Communications Interfaces

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5. System Features

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- 5.2 System Feature 2 (and so on)

6. Other Nonfunctional Requirements

- 6.1 Performance Requirements
- 6.2 Safety Requirements
- 6.3 Security Requirements
- 6.4 Supportability

Appendix A: Field Layouts

1. Introduction:

1.1. Purpose:

ShopMe(eCommerce software) gives you the means to provide your customers with the best online shopping experience— from easy product selection, order, and checkout, to convenient online payment, shipping, and delivery—everything is designed through automation to make it as simple as possible for customers to buy at your store, and get the best service they can expect. It includes all the necessary products including gadgets, apparel, appliances, etc....

1.2. Intended Audience:

A target market is the specific group of people most likely to buy your products or services. They're the people you should be laser focused on attracting—the type of people who return again, recommend you to their friends, and rave about you on social media. This document contains functional ,non functional,overall description,external interface inference ,analysis of model ,system features and other requirements .

1.3. Product Scope:

ShopMe benefits everyone making our lives easier, economical, and technology-friendly as a result making it a part of our day to day life activities. Through e-commerce, small businesses are able to connect with a greater reach of customers than with a physical store. This can even allow for people to sell to other customers who may be situated outside our country. Ordering an item online through an e-commerce site takes a lot less time when compared to traveling to a nearest store.

In current formal shopping environments,it is a very tedious and time consuming task to stand in a queue and get your products billed . Having Said that , In wake of rising Population and due to observed recent spikes in various diseases , it is highly advised to get your things right at your

doorstep in a minimum amount of time with no human interactions. Due to increase in Globalization and rise of various brands , pollution too is and we have provided our stakeholder/restaurateur to update them whenever needed essentially. These problems can be overcome by our software product (ShopMe).

1.4. References:

- 1.IEEE Recommended Practice for Software Requirements Specifications, IEEEStandard 830, 1998**
- 2. A Voice Controlled E-Commerce Web Application(IEEE recommended) 2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)**
- 3. E-Commerce Structural Model**
- 4. E-Commerce Behavioral Model**

1.5. Outcomes :

Everyone has benefited from ShopMe, which has made our lives simpler, more affordable, and technologically friendly. As a result, it has become a part of our daily lives. Small businesses can reach a wider audience of clients through e-commerce than they can with a physical store. Even selling to customers who may be located outside of our nation may be made possible by this. When compared to going to the closest store, ordering something online through an e-commerce site takes hardly any time. Going to a shopping mall to find what you want might often be far less convenient than doing your shopping online. Instead, we may simply order while seated at home .Moreover , during these covid times it's been highly recommended for people not to gather much and avoid crowding so this will surely benefit the purpose

1.6. Description :

ShopMe is a platform for trading goods and services, sending money or data via an electronic network, typically the internet, or both. Business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer, or consumer-to-business are the four different ways that these business transactions might take place. It contains all the necessary goods, such as

equipment, clothing, and accessories. Using HTML, CSS, Javascript, PHP (backend), and MySQL (database), the ShopMe programme was created.

2. Overall Description

2.1. Product Perspective:

These days, life is pretty busy. Time restrictions, demanding schedules, and odd work hours have affected how people purchase nowadays. As a result, many consumers now choose to shop through e-commerce. They enjoy how simple it is to shop online from home at any hour of the day or night. When you can transfer money online, purchasing possibilities are quick and easy. By doing their shopping and product research online, consumers save time and money. To physically travel from place to place and buy a difficult-to-find item can take days and cost time and money. E-commerce is also a productive retail way for conducting business. The start-up expenditures for starting an online store are far lower than those for growing one.

2.2. Product Functions:

Provide Search facility : The website enables users to enter the search text on the screen, enabling users to select multiple options on the screen to search. It displays all the matching products based on the search. It enables users to navigate between the search results. It notifies the user when no matching product is found on the search.

Provide comprehensive product details: The product displays detailed information of the selected products. It provides browsing options to see product details.

Maintains customer profile : The system allows a user to create a profile and set his credential. It authenticates user credentials to view the profile, and also allows users to update the profile information.

Provide personalized profile : The website will display both the active and completed order history in the customer profile. It allows users to select the order from the order history, displays the detailed information about the selected order, and displays the most frequently searched items by the user in the profile.

Allow multiple payment methods: ShopMe displays available payment methods for payment which has been referred from reference(2)

The system shall allow users to select the payment method for order.

Allow online change or cancellation of order: The product displays the orders that are eligible to change, allow users to cancel the order, allow users to change shipping, payment method.

Online Purchase of products : The system will allow users to confirm the purchase. The system enables users to enter the payment information.

Sign-Up: This functionality allows users to sign up initially in order to book the products.

Sign-in: This functionality validates a user and grants access for the existing user to the system for carrying on further activities.

Search by product : This gives a user a provision to check for a particular product based on his interest.

Cart : This feature has all components/products that user has selected for purchasing , which he can view and alter at the end , and booking for the same can also be done

2.2.1 Analysis Model :

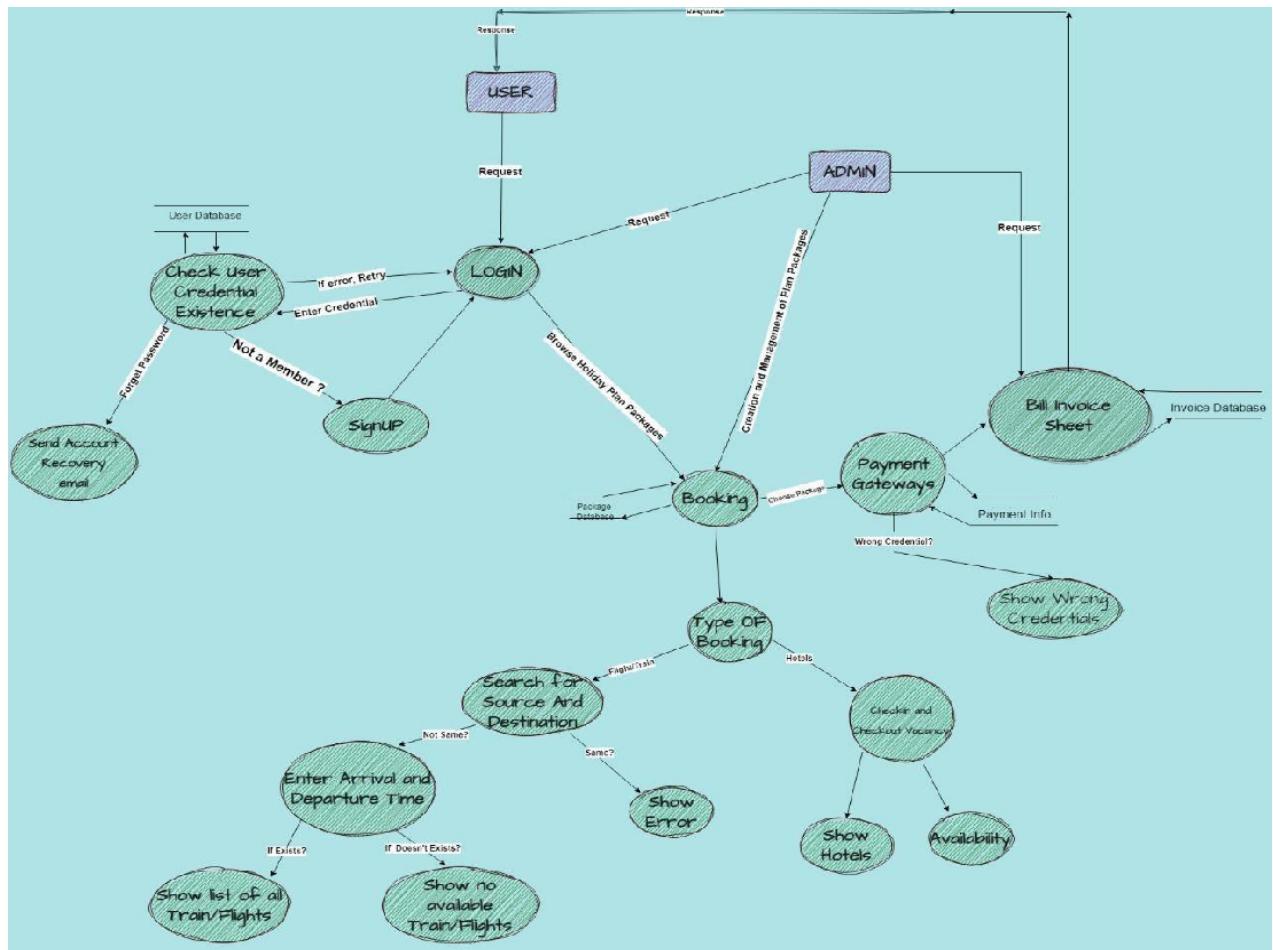


figure 2.3 (Analysis model)

2.3. User Classes and Characteristics :

1. **Unskilled User** : Since they are computer users at home, it should be presumed that they have no relevant training or knowledge beyond the bare minimum required to operate an automated system. There are only two requirements: to sign in and place an order.
2. **Partly Skilled User** : They are typically the deliverer or the supervisor. They must be proficient in using the system and should be able to train others to further increase the simplicity. Except for the server, they must be able to describe every component of the user interface. They need to be able to take the order and organize the tasks that need to be done for product delivery.
3. **Highly Skilled User** : It is guaranteed that the initial installation and configuration of hardware and the individual Shopme system components will need to be done by someone with significant computer expertise, including expertise with software programming and operating systems. They are able to coordinate and maintain all of the backend activities. The programme shouldn't be overly complicated, but it still shouldn't be completely "plug and play."

2.4. Operating Environment :

The data required for the shopme to function will be stored by it. This is accomplished through an online website that is hosted on an online platform primarily used by B2C service providers and that is freely accessible to all users and customers. The following deployed application is supported by all major Browsers like Firefox, Chrome, Bing, etc.

2.5. Design and Implementation Constraints :

The shopme should be written in javascript, html, and other appropriate languages. To enhance the condition of the website, this functionality

should include error management, parallel processes, and so forth. To allow parallel programming, the hardware needs to be reliable, and the system design should identify any scalability problems as the number of orders increases. The final system should be capable of handling device failure and data loss. In the event of a data crash, the final system should have backup storage available. All of this must be taken into consideration as we deploy the greatest technology to ensure that the user feels comfortable utilising the service. The system must be kept up to date in order for end users to not notice any flaws in the issues.

2.6. Assumptions and Dependencies :

No constituent system component will be deployed as an embedded application, according to the SRS. The conclusion is that independent program/application deployment will be possible on the target hardware, negating the need for customised embedded firmware to be created. It is presumed that all website visitors access the site for online shopping. Furthermore, no data analytics have been applied

3. External Interface Requirements :

3.1. Interface

The user uses web browser as an interface to get our website. The input is given through the website. The output of the system is also done using the website and is shown over the website.

3.2. Software Interfaces:

All the necessary information for shopme to operate is stored through the DBMS(Database Management System). The DBMS must be able to provide, on request and with low latency, data concerning the product details , prices of the products, associated business partners,, the cart of the user

etc .The DBMS must be able to check for the user credentials even during low latency during login stage. The DBMS have store all the information related to the user and business partner so as to allow smooth transitions. The data related to the user has to be secure so data breach occurs

3.3 Communications Interfaces

1. Web browser:

Any web browser (Chrome, Mozilla, Brave, etc..) can be used to access ShopMe(Online E-Commerce Website).

2. Network:

ShopMe uses Local Area Network (LAN) to maintain communication with all its devices.

3. Protocol:

It uses a reliable-type IP protocol (TCP/IP or UDP/IP) for maximum compatibility and stability.

4. Communication standards and Network server communications protocols: Https

5. Electronic forms:

HTML Forms to get feedback and data from the user.

6. Wireless Devices:

Uses Ethernet compatible cards, WPA2-PSK encryption

4. Approach Model :

We are following **Agile SCRUM** Model while building this project :



5. System Features :

5.1. Sign-Up:

This is the basic requirement of the user in our project. The user has to sign up initially in order to use and interact with the other functionalities. Here, we are using some of the constraints to validate the inputs.

This helps to validate the inputs to the system . Some of the requirements of this are:

- 1) Username should only be alphabets (FirstName is mandatory and last name is optional) .

- 2) Age must be greater than or equal to 18 (DOB is taken from the user and corresponding age of the user is calculated).
- 3) Email must contain @ and length should be greater than 5.
- 4) Passwords must be greater than or equal to 8 with at least one uppercase, lowercase, number and special character.
- 5) Mobile numbers should contain numbers and exactly 10 digits.
- 6) Address 1 of the user is mandatory inorder to confirm the requests of booking the products should be made. Address 2 is optional.

Sign In :

This functionality regulates the access of the existing user to the website.

While login, the Email, and Password are validated and checked whether it is already signed up or is it the wrong one. Some of the requirements are:

- 1) It asks for the user email id, then it is validated by checking the list of saved email id's in the database.
- 2) It then asks for the secure personal password of the user. This ensures the only user is able to access the account safe and securely.

5.2. Search By Products :

The user can search for the products by preference by typing the name of the products in the search box in the website. Some of the requirements are:

- 1) The system must be pre equipped with a list of items(products such as electronics, apparel, etc..) from which the user can select and make their choice.
- 2) Top new products are initially displayed in the website inorder to attract the users.

Cart :

This is an essential function which makes the system more user friendly.

This function displays all the products, user has ordered & the sum total bill that he/she would have to pay. The requirements of this function are:

- 1) The user must be logged in to use this feature.
- 2) The cart function must show all the products along with the prices.
- 3) The user can increase the number of products he wishes to buy by using the +/- symbol on the website.
- 4) The cart must also print a confirmation message if the user wants to proceed with the transaction .

6. **Other Non-Functional Requirements** :

6.1. **Performance Metrics** :

Usability :

The system shall provide a uniform look and feel between all the web pages. The system shall provide a digital image for each product in the product catalog. The system shall provide use of icons and toolbars.

Accessibility :

The system shall provide handicap access.

The system shall provide multi language support.

Performance :

The product shall be based on web and has to be run from a web server. The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run. The performance shall depend upon hardware components of the client/customer.

6.2. **Safety Requirements** :

Back-end Internal Computers :

The system shall provide storage of all databases on redundant computers with automatic switchover. The system shall provide for replication of databases to off-site storage locations.

Internet Service Provider : The system shall provide a contractual agreement with an internet service provider for T3 access with 99.9999% availability. The system shall provide a contractual agreement with an internet service provider who can provide 99.999% availability through their network facilities onto the internet.

6.3. Security Requirements :

Data Transfer

The system shall use secure sockets in all transactions that include any confidential customer information. The system shall automatically log out all customers after a period of inactivity. The system shall confirm all transactions with the customer's web browser.

The system shall not leave any cookies on the customer's computer containing the user's password. The system shall not leave any cookies on the customer's computer containing any of the user's confidential information.

Data Storage :

The customer's web browser shall never display a customer's password. It shall always be echoed with special characters representing typed characters. The customer's web browser shall never display a customer's credit card number after retrieving from the database. It shall always be shown with just the last 4 digits of the credit card number.

The system's back-end servers shall never display a customer's password. The customer's password may be reset but never shown. The system's back-end servers shall only be accessible to authenticated administrators. The system's back-end databases shall be encrypted.

6.4. Supportability :

Configuration Management Tool : The source code developed for this system shall be maintained in configuration management tool.

Design Constraints

Standard Development Tools

Web Based Product

There are no memory requirements

The computers must be equipped with web browsers such as Internet explorer. The product must be stored in such a way that allows the client easy access to it. Response time for loading the product should take no longer than five minutes. A general knowledge of basic computer skills is required to use the product

On-line User Documentation and Help System Requirements

As the product is E-store, On-line help system becomes a critical component of the system which shall provide – It shall provide specific guidelines to a user for using the E-Store system and within the system.

To implement online user help, link and search fields shall be provided.

Purchased Components

Not Applicable

Interfaces :

There are many types of interfaces as such supported by the E-Store software system namely; User Interface, Software Interface and Hardware Interface.

The protocol used shall be HTTP . The Port number used will be 80.

There shall be a unique logical address of the system in IPv4 format.

Appendix A : Field Layouts

A text file containing instructions for field layout and reporting.

Sample sheet with the information required to register the customer

Field	Length	Data Type	Mandatory ?
Email Id	>5	Alpha-Numeric	Yes

Password	>8 , <12	Alpha-Numeric	Yes
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III. Project Planning :

Lifecycle Followed :

We used the software development lifecycle(SDLC) and We followed and picked the agile model to be the best model for SDLC. .

Features of Agile Model :

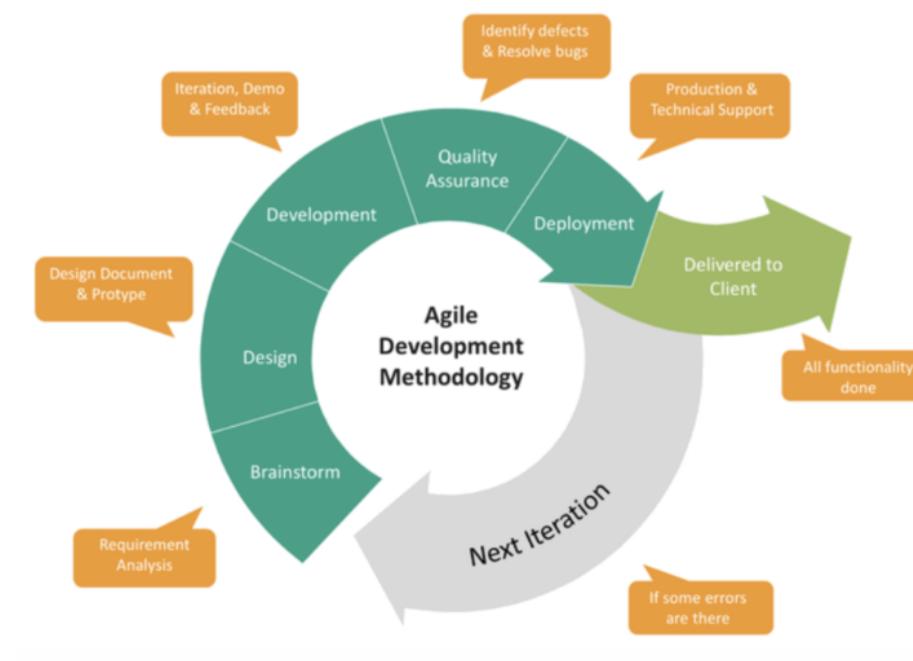
- 1) Deliverable of High quality Product with less time

- 2) Maintaining communication with the customer, making adjustments in response to their feedback, providing value to the customer, and ensuring that the final product actually complies with their requirements are all ways to ensure customer satisfaction.

- 3) Agile uses short sprints that concentrate on continuous delivery, reducing risks as a result.

- 4) Because this process involves iterations, every sprint will be improved upon by prior ones and past errors won't be repeated. Consequently, there is ongoing development.
- 5) Agile offers project teams with unmatched flexibility when it is properly applied. Teams work in shorter spurts, with the product owner providing ongoing input as well.

Flow-Chart of Agile Model Methodology :



1. Requirement Analysis :

You must specify the criteria during this phase. Explaining commercial potential and scheduling the time and resources required to complete the project are important.

REQUIREMENTS OF STAKEHOLDERS:

Stakeholder	What to look for
Customer services	Department
Customers	End users
Finance	Department
Warehouses	Department
Retail suppliers	Supplier
Call Centres	Department
Developers	Role
Customer Care	Department
Distributer sales	Department

2. Design Document and Prototype :

PRODUCT BACKLOG:

Administrator Product Backlog			
Number	Feature	Weight	Priority
1	Login	3	High
2	Products Data	1	High
3	Customers Data	2	High
4	Customer's Purchase Data	2	Medium
5	Recommendation of Products	3	Medium
6	Payment of Customer	3	High
7	Sales Report	3	Low

User's Product Backlog			
Number	Feature	Weight	Priority
1	Login	3	High
2	Products List	1	High
3	Cart	1	High
4	Purchase Info	3	Medium
5	Order Placement	1	Medium
6	Payment Bill	3	High

Work with stakeholders to define requirements after identifying the project. You can demonstrate how new features will interact with your existing system using a user flow diagram or a high-level UML diagram.

3. Iteration :

Starting their project with the goal of releasing a functional product, designers and developers get to work. The product has basic, minimum functionality and will go through numerous stages of refinement.

Roadmap :

Initial Release : Week 1-4	Mid-Release : Week 5-8	Final Release : Week 9-12
Create Skeletal layout of the project/system like adding provision for admins to add products in suitable format. And create views for each. Mainly focuses on UI/Wireframe, adding products to Database	This release mainly focuses on User/Admin provisions , like handling login credentials , so that user will be validated , and enter the system. And also focuses on giving out some features for multiple views.	Here , Release mainly focuses on user activities like handling bugs while user orders/pays to the purchased products , and need to submit a detailed daily report to manager regarding Sales and profits. And also focuses on Maintenance of the software.

4. Identify defects and resolve Bugs :

The Quality Assurance team evaluates the functionality of the product and hunts for bugs during this phase.

5. Production and Tech Support :

In this phase, the team issues a product for the user's work environment.

6. Feedback :

The final step is feedback once the product has been released.

Through this, the team collects input on the product and processes it.

Tools used / worked upon :

Jira Software : For all kinds of use cases, this is a job management, planning, and bug tracking tool.

Designing tool : Draw.io

Version Control : Git (Github)

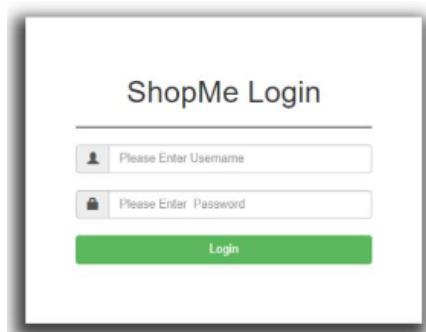
Development tools : CSS,Java-Script,php,mysql

Project Deliverables :

1) **Login Page :**

There exists single login page for both admin and customers view in order to enter into the system :

- It is made up of Front-End Login Page
- Username and corresponding password hashed in 256 bit will be stored in mysql database so that security is ensured



● **Sign-Up Page :**

- It is made up of Front-End html form obtaining necessary fields by imposing certain constraints explained in Testing Phase :

Please fill all the fields!

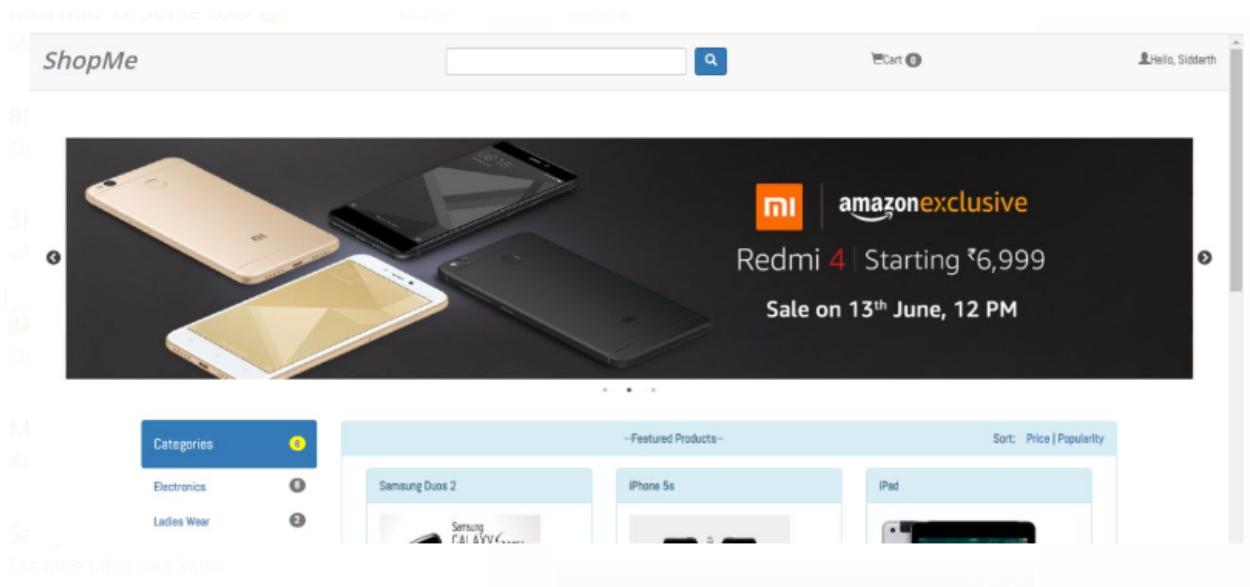
Signup Form

First Name	Last Name
Email	Password
Mobile	
Address #1	
Address #2	

Signup

2) Home Page View :

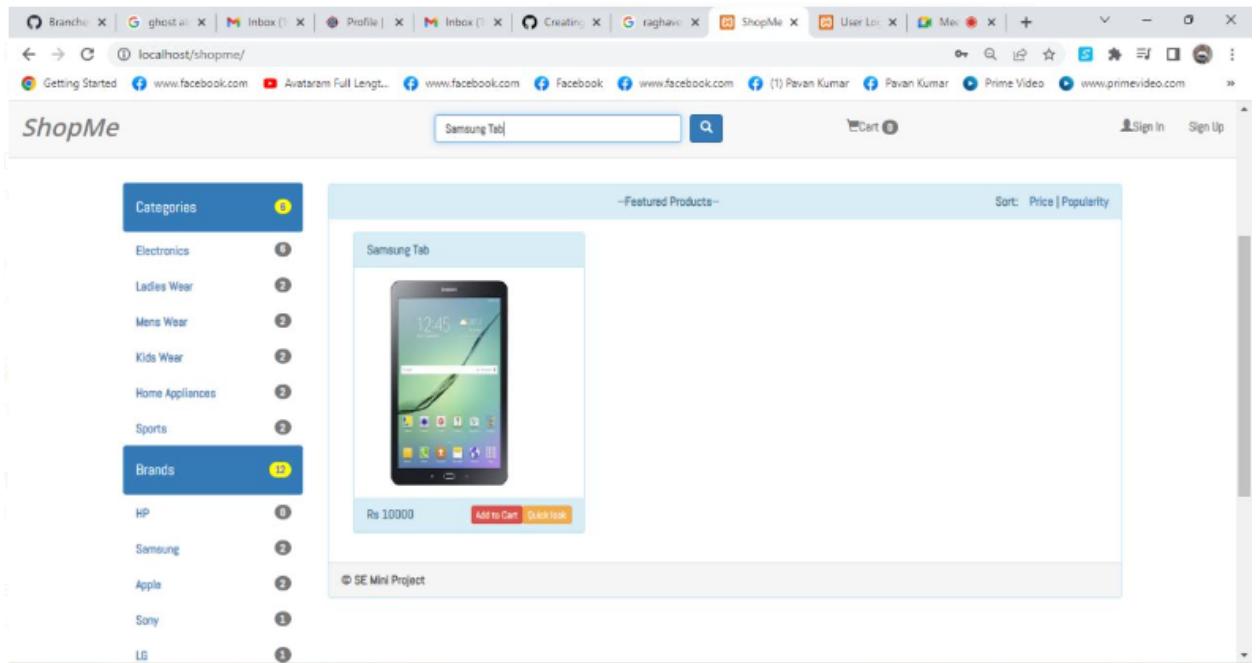
Post successful login of user with corresponding password and username , user will be redirected to Home page :



3) Search Options :

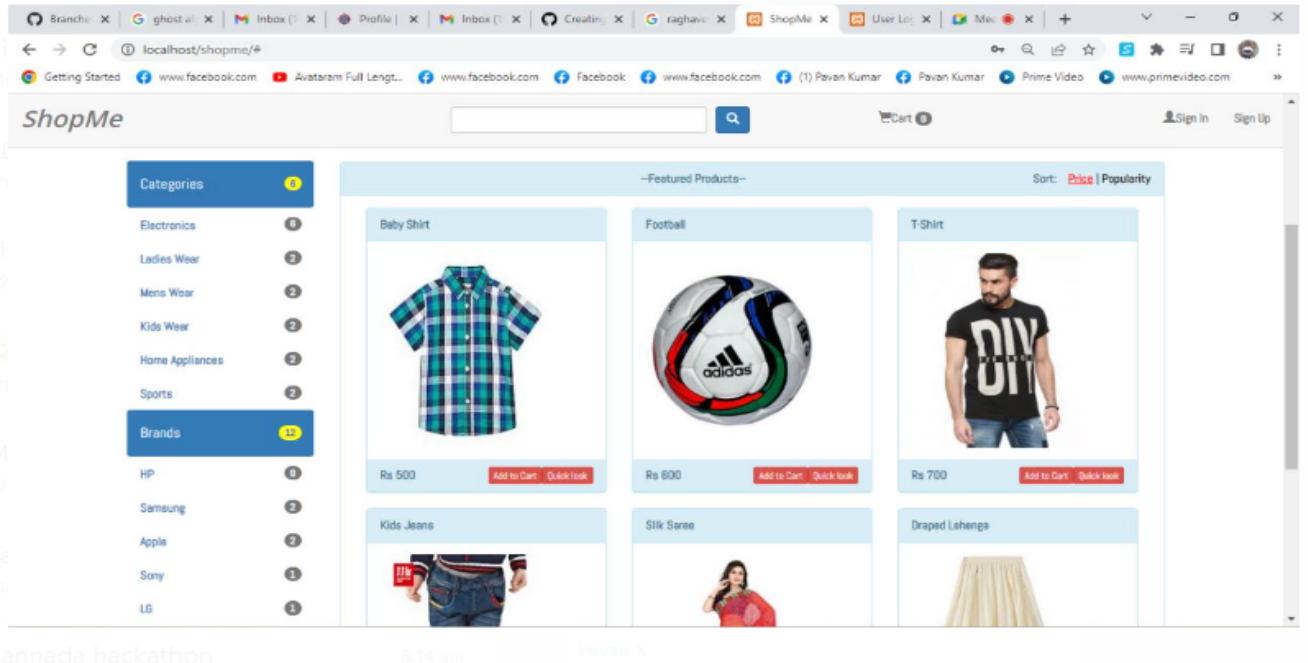
User can search for his desired products in the search bar available

above and if no products are available corresponding message is printed :



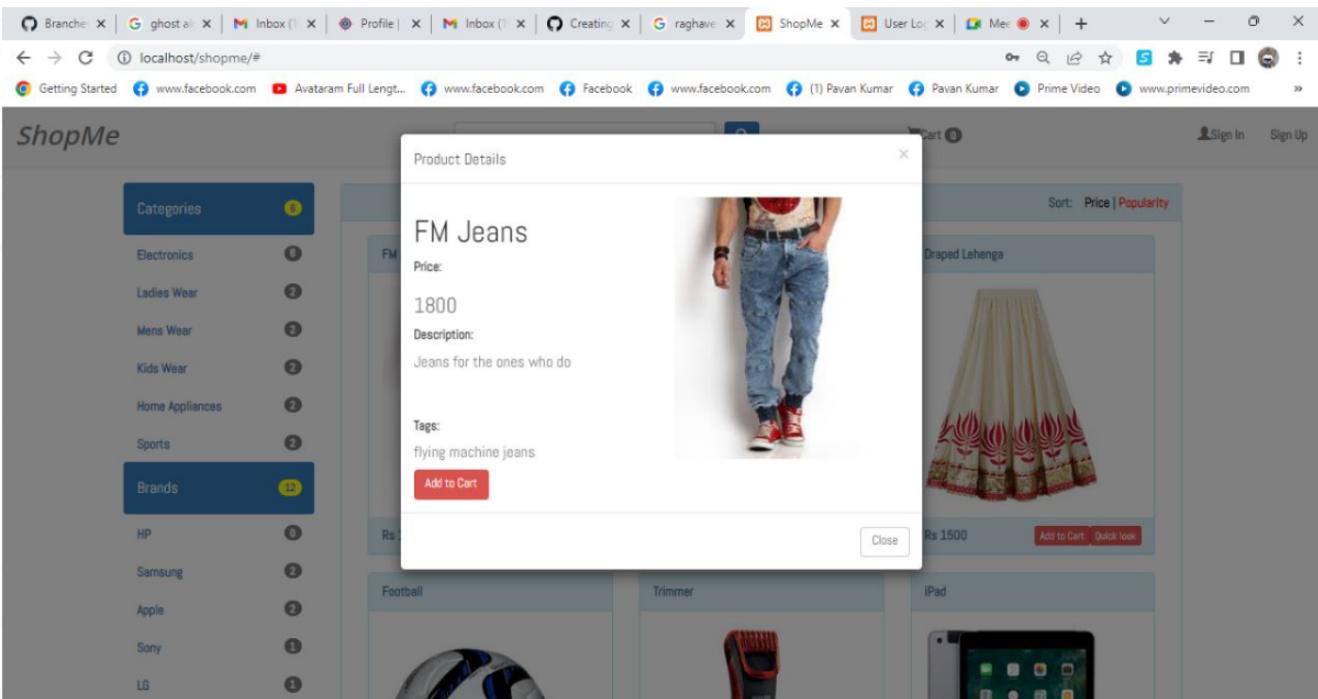
4) Filtering Option :

Since there will be too much of product to look for under the same category , Sorting option has been provided wherein Sorting the products based on 'Popularity/Ratings' and Sorting based on Price in ascending order has been given out in the Website :



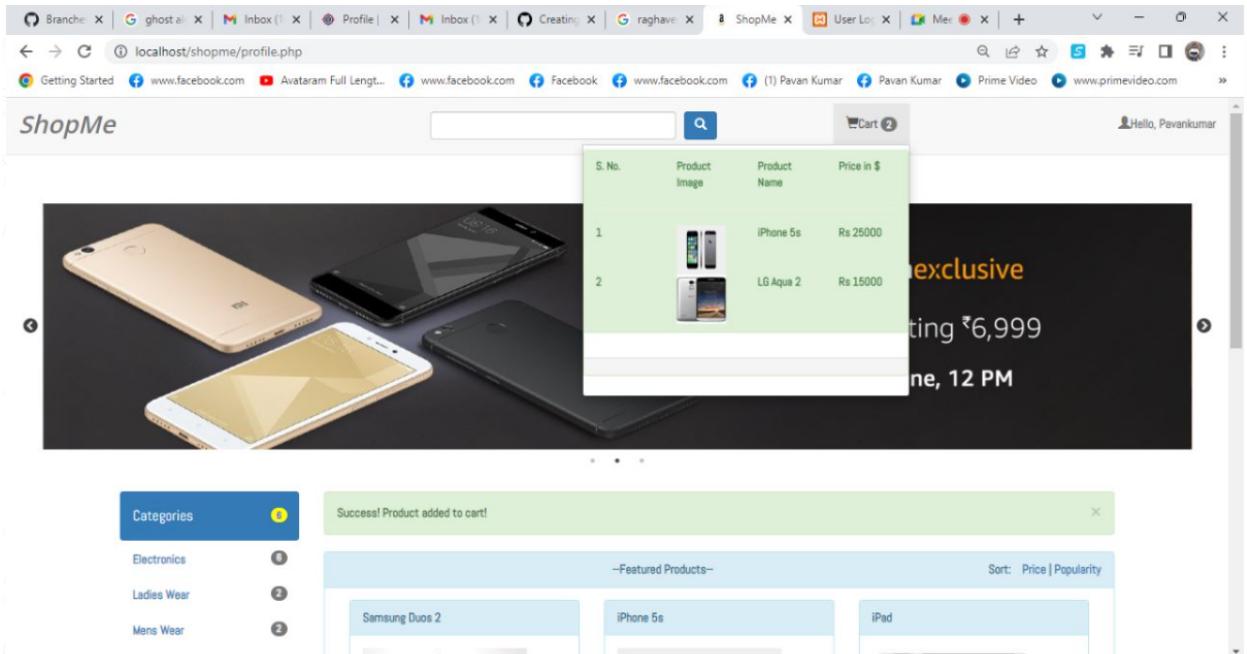
5) Description View :

After user has viewed the brief content of the product (price,image) he/she can click on the product to get to know about the further details like the size/dimensions of the product ,reviews,Add to Cart button, Detailed Description :



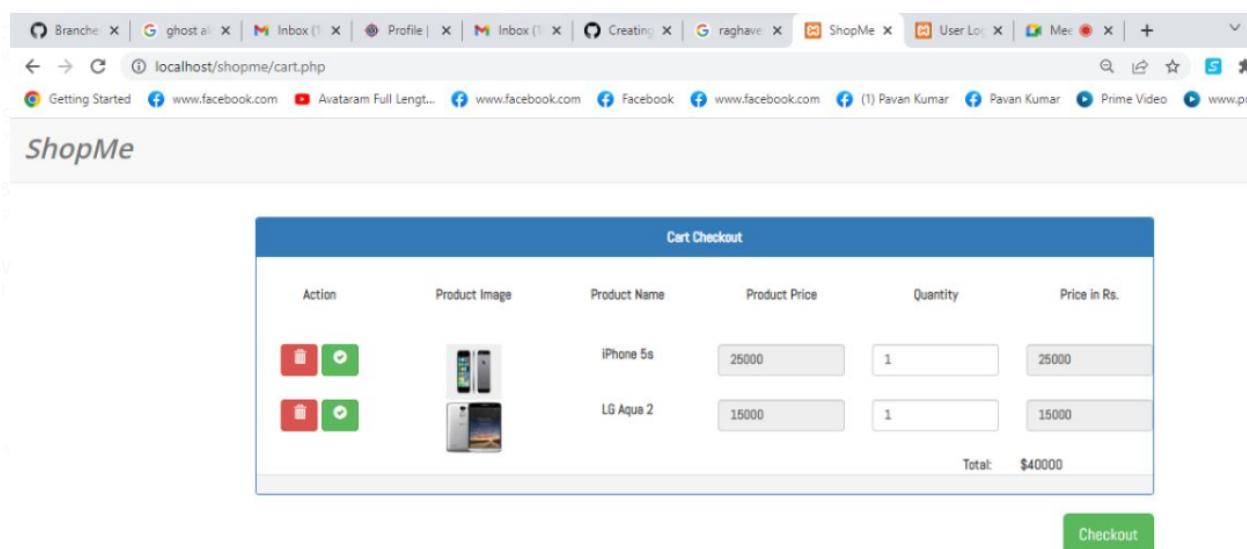
6) Cart Option :

Suppose a user wishes to purchase the product , they need to add the product into the cart by clicking on 'Add to Cart' button which will include the item in the cart which can be viewed wherein the quantity of the item can be increased/decreased accordingly :



The screenshot shows a product listing for two phones: iPhone 5s and LG Aqua 2. The iPhone 5s is listed at Rs 25000 and the LG Aqua 2 at Rs 15000. A success message 'Success! Product added to cart!' is displayed. The categories sidebar includes Electronics, Ladies Wear, and Mens Wear.

S. No.	Product Image	Product Name	Price in \$
1		iPhone 5s	Rs 25000
2		LG Aqua 2	Rs 15000



The screenshot shows the Cart Checkout page. It displays the items added to the cart: iPhone 5s and LG Aqua 2. The total price is \$40000. The 'Checkout' button is visible at the bottom right.

Action	Product Image	Product Name	Product Price	Quantity	Price in Rs.
		iPhone 5s	25000	1	25000
		LG Aqua 2	15000	1	15000

Total: \$40000

Checkout

Success! Item updated!

Action	Product Image	Product Name	Product Price	Quantity	Price in Rs.
		iPhone 5s	25000	2	50000
		LG Aqua 2	15000	1	15000
Total: \$40000					

[Checkout](#)

7) Payment Gateway : Although we have not implemented actual functionality of the payment gateway procedure but we have designed the gateway in such a way that user is allowed to pick any of his desired method of payment and unique Transaction Id will be issued post successful payment, this Id can be used in enquiring if payment fails/error occurs during payment :

localhost/shopme/payment_success.php

ShopMe

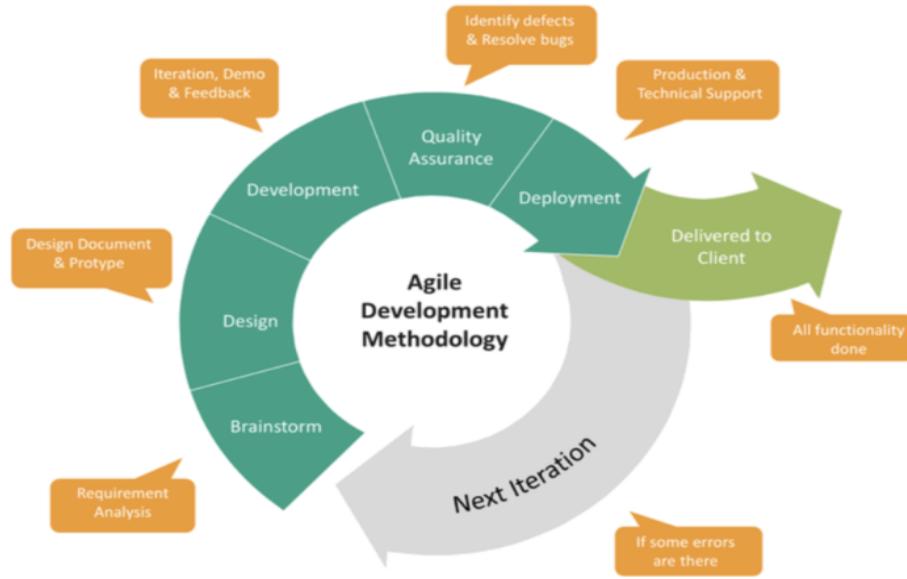
Thank you!

Hello Pavankumar, your payment is successful.
Your Transaction ID is 861635164
You can continue with your shopping.

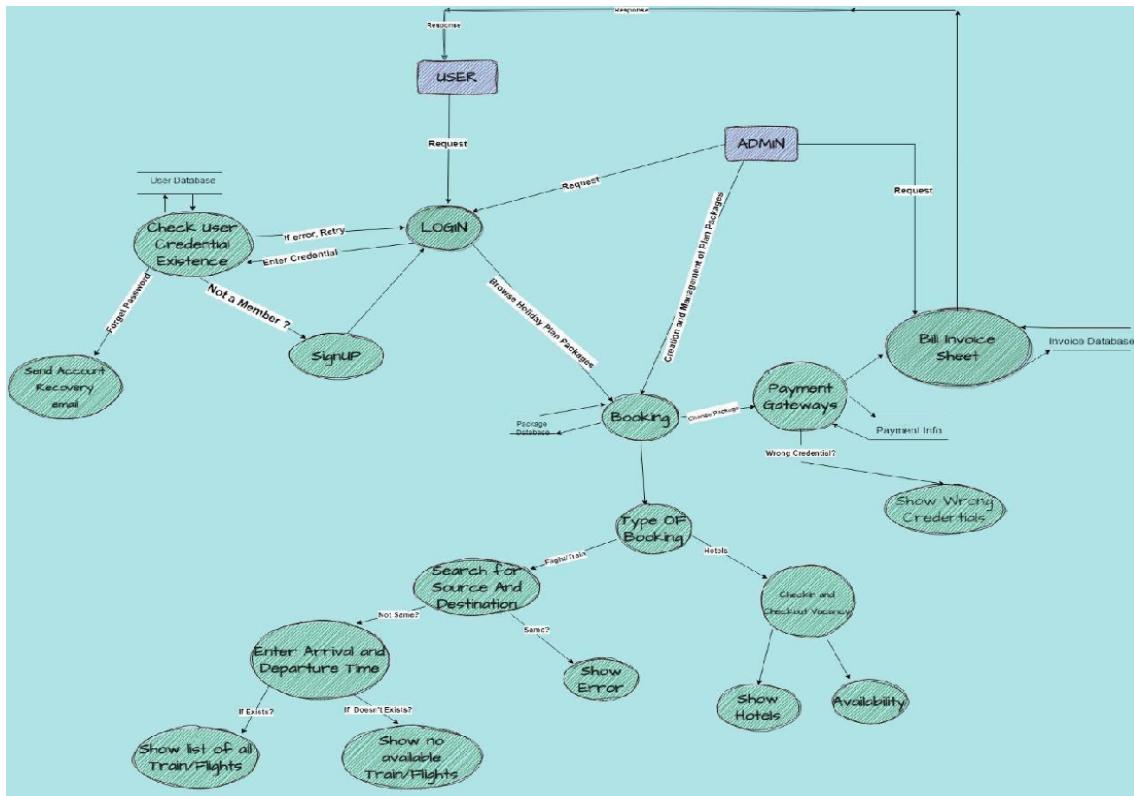
[Back to store](#)

Design Diagrams

1. Model Used : Agile



2. Use Case Diagram :



3) A Brief Look at Jira Software to track issues :

Here we are looking at sprint 2 that was carried on 23rd october to 5th november , we can see that Login page functionality and Sort by ratings is flagged which needs a careful look:

Projects / shopMe

SHOP Sprint 2

0 days remaining Complete sprint ...

IN PROGRESS 1 ISSUE

Sort by ratings

SHOP-8

TO DO 2 ISSUES

Sorting Feature

SHOP-7

Test Login Functionality

LoginPage

SHOP-10

DONE 1 ISSUE ✓

Create Cart View

SHOP-9

The screenshot shows a Jira sprint dashboard for 'SHOP Sprint 2'. At the top, it displays '0 days remaining' and a 'Complete sprint' button. Below this, there are three main sections: 'IN PROGRESS 1 ISSUE', 'TO DO 2 ISSUES', and 'DONE 1 ISSUE'. The 'IN PROGRESS' section contains one item: 'Sort by ratings' (SHOP-8), which is highlighted with a red background and features a red flag icon. The 'TO DO' section contains two items: 'Sorting Feature' (SHOP-7) and 'Test Login Functionality' (LoginPage, SHOP-10). The 'Test Login Functionality' item also has a red flag icon. The 'DONE' section contains one item: 'Create Cart View' (SHOP-9), which is marked with a green checkmark and a green circle icon. The dashboard also includes a search bar, filter options ('GROUP BY None'), and an 'Insights' button.

Some of the other tasks assigned at different sprints can be seen below which was obtained after exporting to word file :

[SHOP-31] [Done](#) Created: 28/Sep/22 Updated: 28/Sep/22 Due: 24/Sep/22 Resolved: 28/Sep/22

Status:	Done
Project:	ShopMe
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Low
Reporter:	SIDDARTH M P 2169 Batch.PES University	Assignee:	pes1ug20cs823
Resolution:	Done	Votes:	1
Labels:	backend, user		
Remaining Estimate:	3 hours		
Time Spent:	1 day, 2 hours		
Original estimate:	Not Specified		
Environment:	Google Play Store		

Start date:	23/Sep/22
Sprint:	SHOP Sprint 2
Story point estimate:	2.5
Rank:	0j000e7:

Description

Unable to login : Failed to connect with database

[SHOP-34] [Done](#) Created: 28/Sep/22 Updated: 28/Sep/22 Due: 15/Sep/22 Resolved: 28/Sep/22

Status:	Done
Project:	ShopMe
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Low
Reporter:	pes1ug20cs421	Assignee:	SIDDARTH M P 2169 Batch.PES University
Resolution:	Done	Votes:	1
Labels:	front-end, user		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Apple Store		

Start date:	13/Sep/22
Sprint:	SHOP Sprint 2
Story point estimate:	3.5
Rank:	0j000ev:

Description

Forgot Password error : error message "Try Again" is popping upon clicking on forgot password,

[SHOP-36] Done Created: 28/Sep/22 Updated: 28/Sep/22 Due: 15/Sep/22 Resolved: 28/Sep/22	
Status:	Done
Project:	ShopMe
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Bug	Priority:	Low
Reporter:	pes1ug20cs823	Assignee:	pes1ug20cs425
Resolution:	Done	Votes:	1
Labels:	backend, user		
Remaining Estimate:	3 hours		
Time Spent:	1 day, 1 hour		
Original estimate:	Not Specified		
Environment:	Google Chrome		

Start date:	13/Sep/22
Sprint:	SHOP Sprint 3
Story point estimate:	1
Rank:	0 i000fb:

Description

Add to favourites error : upon clicking add to favourites,different product is placed in favourites section.

[SHOP-35] Done Created: 28/Sep/22 Updated: 28/Sep/22 Due: 15/Sep/22 Resolved: 28/Sep/22	
Status:	Done
Project:	ShopMe
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Story	Priority:	Medium
Reporter:	SIDDARTH M P 2169 Batch_PES University	Assignee:	pes1ug20cs421
Resolution:	Done	Votes:	1
Labels:	UI, user		
Σ Remaining Estimate:	1 day, 5 hours	Remaining Estimate:	3 hours
Σ Time Spent:	3 days, 2 hours	Time Spent:	1 day, 7 hours
Σ Original Estimate:	Not Specified	Original estimate:	Not Specified
Environment:	Google Chrome		

Sub-tasks:	Key	Summary	Type	Status	Assignee
	SHOP-41	Implement filter by Price feature with...	Subtask	To Do	pes1ug20cs823
	SHOP-42	Implement filter by rating feature with...	Subtask	To Do	pes1ug20cs823
Sprint:	SHOP Sprint 3				
Start date:	13/Sep/22				
Story point estimate:	1				
Rank:	0 i000f3:				

Description

Implement Filter feature : Unable to use Filter feature , need to add/implement

[SHOP-38] Done Created: 28/Sep/22 Updated: 28/Sep/22 Due: 19/Sep/22 Resolved: 28/Sep/22			
Status:	Done	Priority:	High
Project:	ShopMe	Assignee:	pes1ug20cs823
Components:	None		
Affects versions:	None		
Fix versions:	None		

Type:	Task	Priority:	High
Reporter:	SIDDARTH M P 2169 Batch PES University	Assignee:	pes1ug20cs823
Resolution:	Done	Votes:	1
Labels:	UI, admin		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	Microsoft Bing		

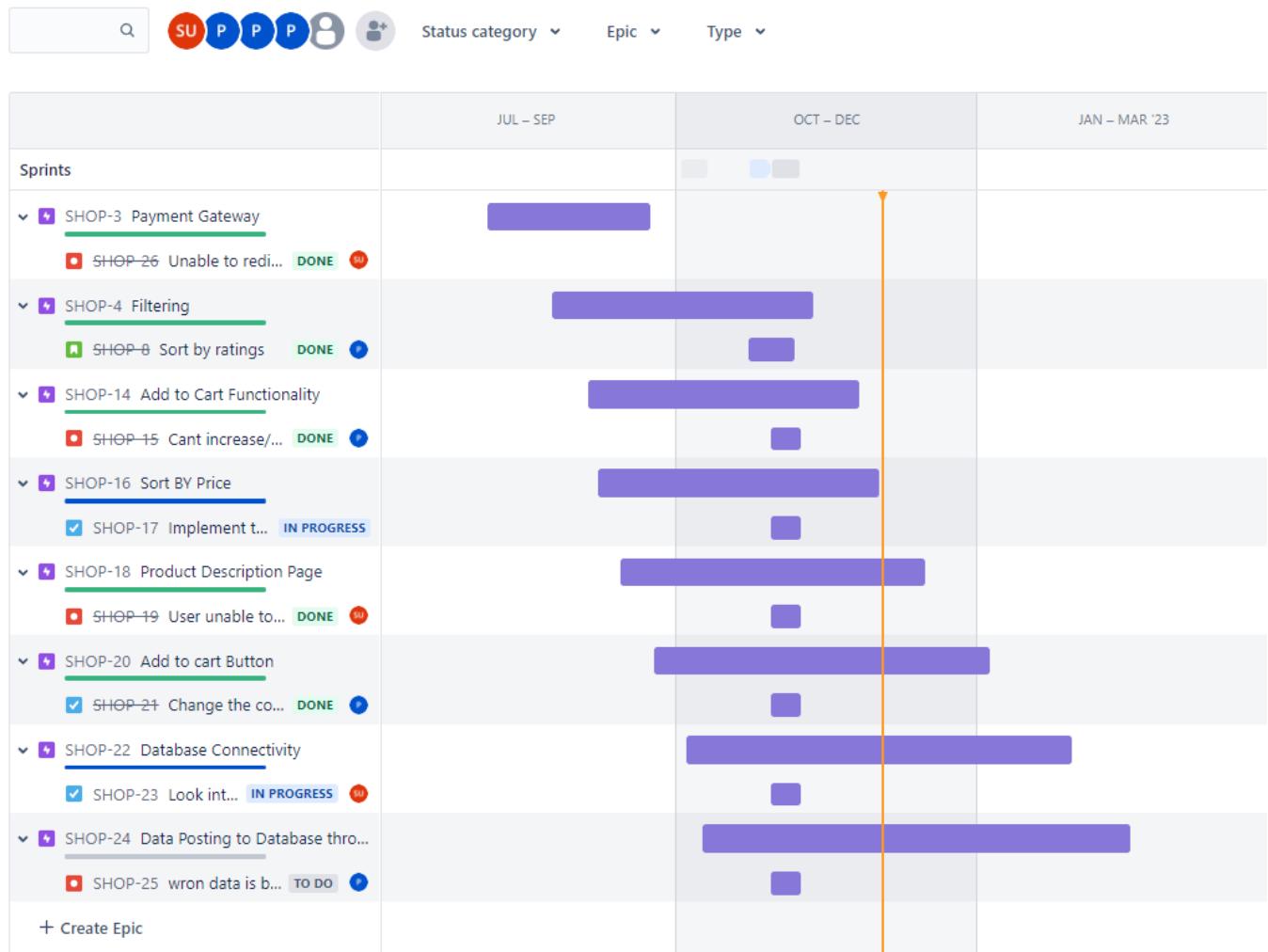
Start date:	18/Sep/22
Sprint:	SHOP Sprint 4
Story point estimate:	1
Rank:	0 i000fr:

Description

Add Ratings to products : Provide functionality to add ratings to product

4) Work Breakdown Structure:

Roadmap

**5) DFD DIAGRAMS :**

DFD level 1:

DFD Level - 1



V. TESTING PHASE :

Login:

Valid input cases:

Test id	Input	Output	Result
1	Email :pavankumar@gmail.co m	successful	Test passed
2	Password:user001	successful	Test passed

Invalid input cases:

Test id	Input	output	Result
1	Email	unsuccessfu	Test passed

	:admin@admin.com	I	
2	Password:_password	unsuccessfu l	Test passed



For sign up:

Valid input cases:

Test id	Input	Output	Result
1	Email :siddharthmp@gmail. com	successful	Test passed
2	Password:user001	successful	Test passed
3	Mobile:7867483726	successful	Test passed
4	First Name: siddharth	successful	Test passed

5	Last name: m p	Successful	Test passed
6	Address1: bangalore	Unsuccessful	Test passed
6	Address2: bangalore	Unsuccessful	Test passed

Invalid input cases:

Test id	Input	Output	Result
1	Email :user@outlook.com	unsuccessful	Test passed
2	Password:user001	unsuccessful	Test passed
3	Mobile:7623724	unsuccessful	Test passed
4	First Name: pavankumar	unsuccessful	Test passed
5	Last name:	unsuccessful	Test passed
6	Address1: bangalore	Unsuccessful	Test passed
7	Address2: bangalore	Unsuccessful	Test passed

Boundary cases:

Test id	Input	Observed output	Excepted output	Result
1	Email:user@GMAIL.com	Valid entry	Invalid entry	pass
2	Email:ADMIN@GMAIL.co m	invalid entry	Invalid entry	pass
3	Email:user@gmail.com	Valid entry	valid entry	pass
4	Password:_xyz	Invalid entry	Invalid entry	pass
5	Password:xyz001	Valid entry	Valid entry	pass
6	Mobile: 7623724	Invalid entry	Invalid entryhe	pass
7.	Mobile:8451236781	Valid entry	Valid entry	pass
8	First name: siddharth M	Invalid	valid	pass
9	Last name: p	valid	valid	pass
10	First name: hemanth	valid	valid	pass
11	Last name:	invalid	valid	pass

12	First name: _ sam	invalid	invalid	pass
13	Last name:_	invalid	invalid	pass

Mutation testing:

Email should not contain @ in it, email in capital letter

Test id	input	Observed output	Excepted output	result
1	Usergmail.com	valid	invalid	killed
2	user@gmail.com	Valid	valid	survived
3.	User1gmail.com	invalid	invalid	survived
4	ADMIN@gmail.com	valid	invalid	killed

5.	ADMIN@GMAIL.COM	VALID	Invalid	killed

ShopMe Login

user@

! Please enter a part following '@'. 'user@' is incomplete.

Login

ShopMe Login

user@

! Please enter a part following '@'. 'user@' is incomplete.

Login

Password in capital letters.

Test id	input	Observed output	Excepted output	result
1	Password:	valid	invalid	killed

	ADMIn123			
2	Password:446644 14	InValid	invalid	survived
3	Password:_djjg	valid	invalid	killed
4	Password:fihk_	valid	invalid	killed

Mobile has to be numeric with length of 10:

Test id	Input	Observed output	Excepted output	Result
1	98766543	invalid	invalid	survived
2	9876543211	valid	valid	survived
3.	8564154564_	valid	invalid	Killed
4	,fjgjfbdm	invalid	invalid	killed

The screenshot shows a 'Signup Form' window. At the top, there is a yellow error message bar with the text 'Mobile number must be 10 digits'. Below the message bar, the form fields are arranged in two columns. The left column contains: 'First Name' (Pavankumar), 'Email' (pavankumar@gmail.com), and 'Mobile' (7823724). The right column contains: 'Last Name' (Hegde), 'Password' (*****), and 'Address #1' (Bangalore). There are also 'Address #2' and 'Address #3' fields, both containing Bangalore. At the bottom of the form is a blue 'Signup' button.

First name and last name (non numeric):

Test id	Input	Observed output	Excepted output	Result
1	samuel	valid	valid	survived
2	Sam1	valid	invalid	Killed
3	SaM_	vaild	invalid	killed

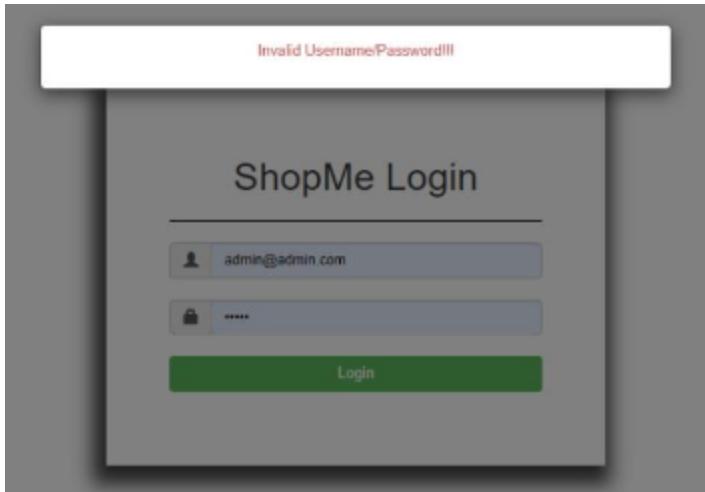
The screenshot shows a web browser window with the URL `localhost/shopme/customer_registration.php`. The page title is `ShopMe`. The main content is a "Signup Form" with the following fields:

Field	Value
First Name	126
Last Name	MP
Email	siddarth@gmail.com
Password	*****
Mobile	7846567294
Address #1	Bangalore
Address #2	Bangalore

A yellow validation message box at the top says "First name is not valid..!". A blue "Signup" button is at the bottom of the form.

VI. Screenshots / Output of the Working Product :

1) Trying with Invalid Username / Password:



2) Post successful login , redirected to Home Page View :

A screenshot of the ShopMe home page. At the top, there is a navigation bar with the brand name "ShopMe", a search bar, a cart icon, and a user profile "Hello, Siddarth". The main content area features a large promotional banner for the "Redmi 4" smartphone, which is labeled as an "amazon exclusive" and starting at ₹6,999. The banner includes images of four Redmi 4 phones in different colors (gold, black, white, and blue). Below the banner, there is a sidebar with "Categories" (Electronics, Ladies Wear) and a "Featured Products" section displaying cards for "Samsung Duos 2", "iPhone 5s", and "iPad". The footer contains a "Sign up du kaisi" link and a "Sort: Price | Popularity" option.

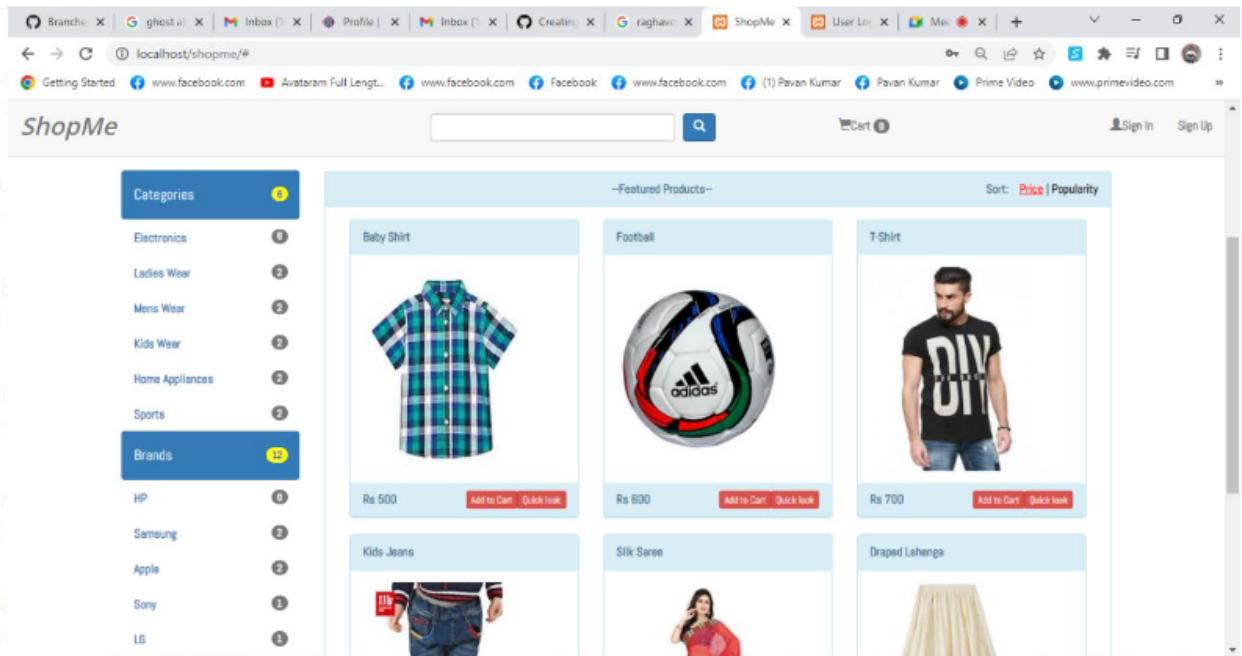
3) Searching for Non-existing Product :

The screenshot shows a web browser with multiple tabs open. The active tab is 'localhost/shopme/'. The page title is 'ShopMe'. A search bar at the top contains the text 'television'. To the right of the search bar is a magnifying glass icon and a 'Cart' icon with a notification badge. On the far right, there are 'Sign In' and 'Sign Up' links. On the left, there's a sidebar with 'Categories' and 'Brands' sections. The 'Categories' section lists: Electronics (1), Ladies Wear (2), Mens Wear (2), Kids Wear (2), Home Appliances (2), and Sports (2). The 'Brands' section lists: HP (0), Samsung (2), Apple (2), Sony (1), and LG (1). The main content area displays a grid of products under the heading '--Featured Products--'. One item is visible: 'SE Mini Project'.

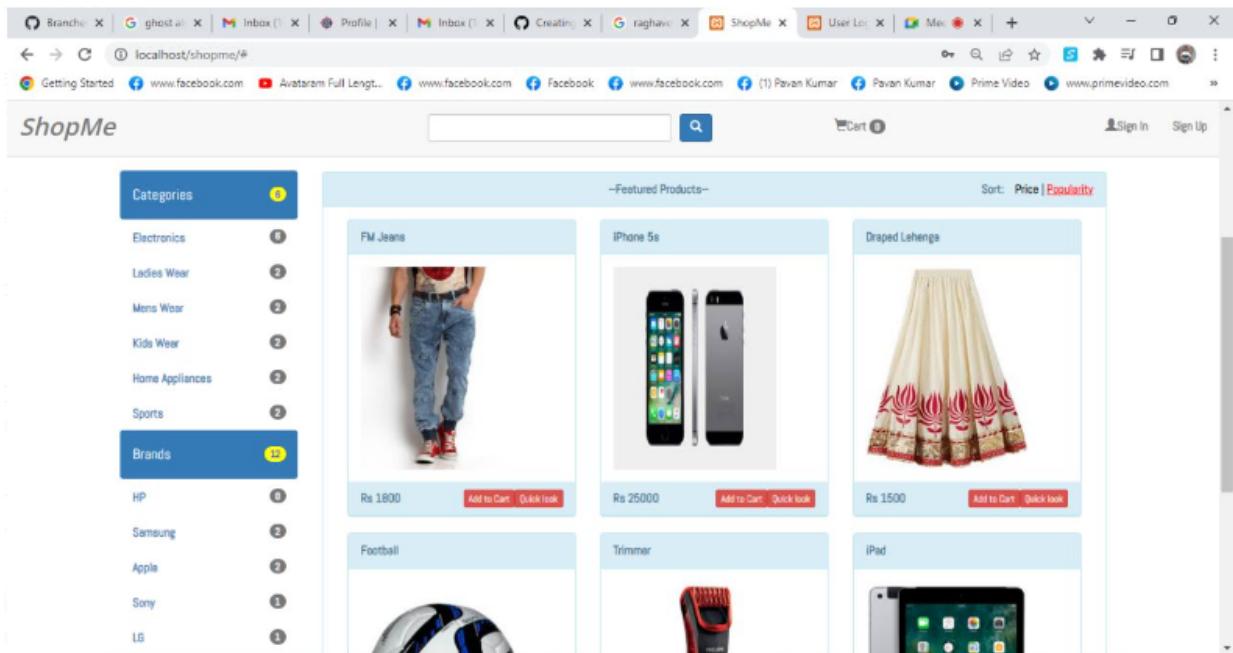
4) Searching products by Categories :

This screenshot shows the same 'localhost/shopme/' page after a category search. The sidebar categories are now highlighted in blue: 'Electronics' (1), 'Ladies Wear' (2), 'Mens Wear' (2), 'Kids Wear' (2), 'Home Appliances' (2), 'Sports' (2), 'Brands' (12), 'HP' (0), 'Samsung' (2), 'Apple' (2), 'Sony' (1), and 'LG' (1). The main content area displays a grid of featured products. The first item is 'Samsung Duos 2' priced at Rs 5000. The second item is 'iPhone 5s' priced at Rs 25000. The third item is 'iPad' priced at Rs 30000. Below these are partial views of other products: 'Samsung Tab' (partially visible), 'Sony Vaio Laptop' (partially visible), and 'LG Aqua 2' (partially visible).

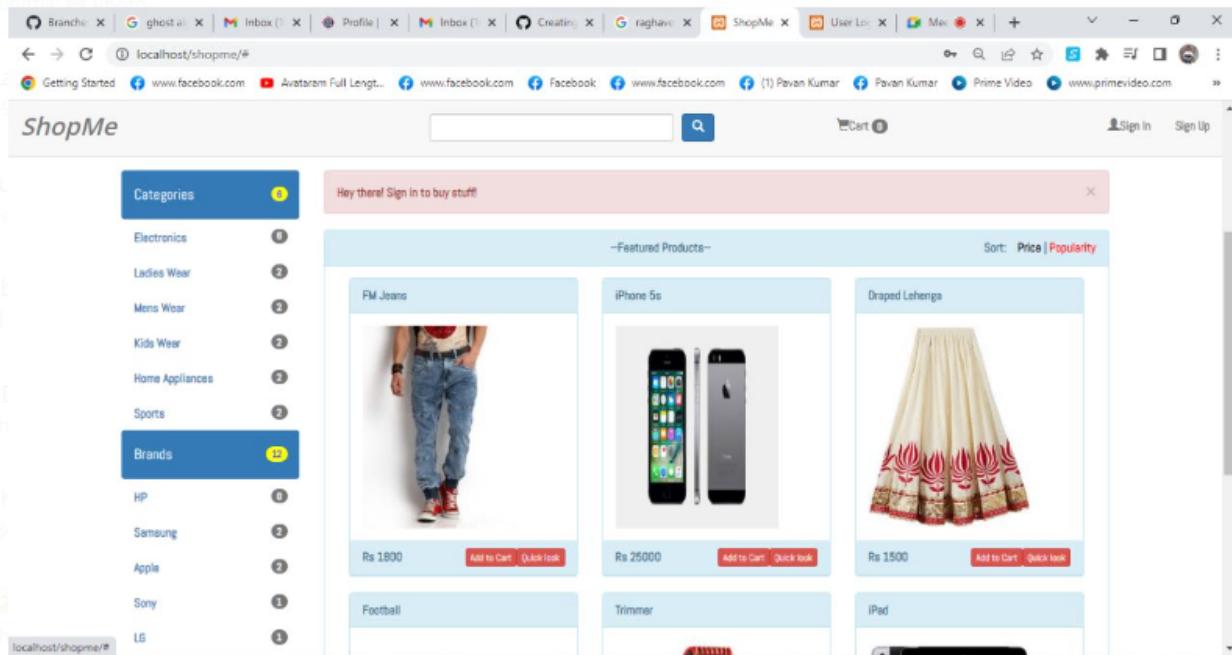
5) Sorting products by Price :



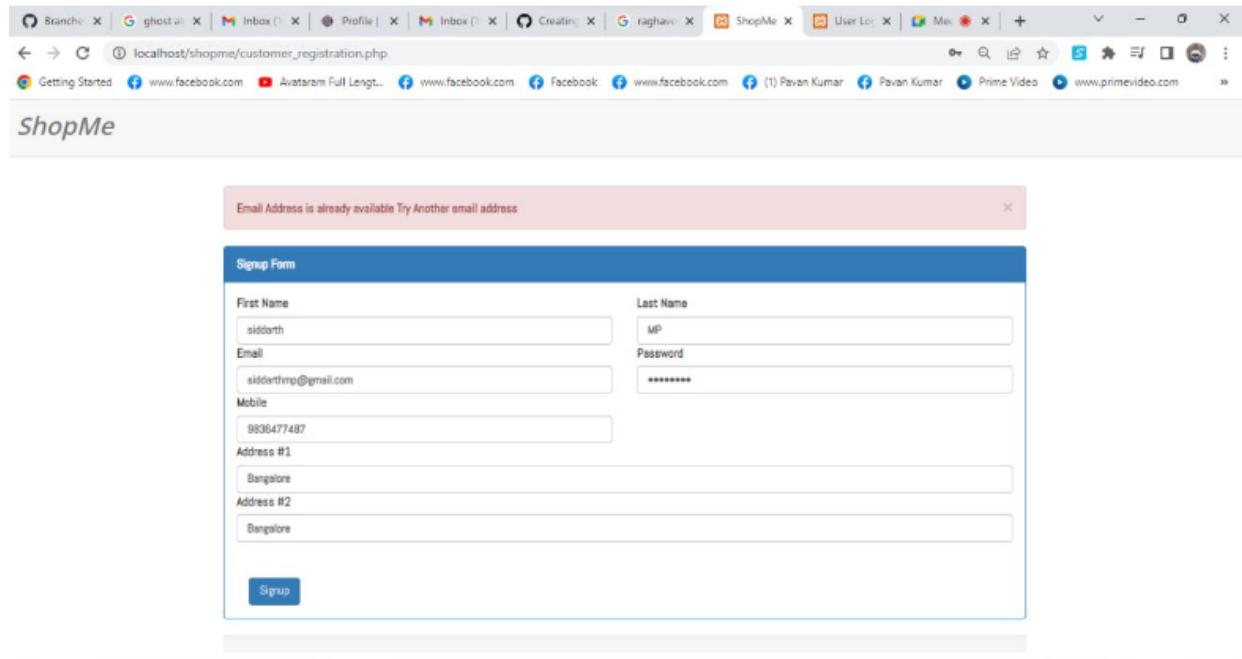
6) Sorting products by Popularity/ratings :



7) User can't purchase / View description of products unless they have not registered and logged in



8) Registering with duplicate Mail-Id :



Version Control : By making use of Git (Github) :

A screenshot of a GitHub repository page for 'PavankumarHegde / ShopMe'. The page shows the 'Code' tab selected. At the top, there's a search bar and navigation links for Pulls, Issues, Codespaces, Marketplace, and Explore. Below that, the repository name 'PavankumarHegde / ShopMe' is shown as public. There are buttons for Watch (1), Fork (0), and Star (0). The main content area displays three sections: 'Default branch' (main, updated 6 hours ago by Pavankumar Hegde, marked as Default), 'Your branches' (SiddarthMP, updated 7 hours ago by siddarth-mp), and 'Active branches' (Shuchith_B_U, siddharth-M, PavankumarHegde, SiddarthMP). Each branch entry includes an edit icon and a delete icon.

A screenshot of a GitHub repository page for 'PavankumarHegde / ShopMe'. The page shows the 'Code' tab selected. At the top, there's a search bar and navigation links for Issues, Pull requests, Actions, Projects, Wiki, Security, and Insights. Below that, the repository name 'PavankumarHegde / ShopMe' is shown as public. There are buttons for Watch (1), Fork (0), and Star (0). The main content area displays a 'Switch branches/tags' dropdown menu with 'main' selected. The menu also shows '5 branches' and '0 tags'. To the right of the menu, there's a list of files: customer_registration.php, db.sql, and dbconnect.php, each with an 'Add files via upload' link.

Amount of Commits done upon Project's Git Repo :

 Insights

Nov 20, 2022 – Dec 3, 2022

Contributions: Commits ▾

Contributions to main, excluding merge commits and bot accounts



Amount of Additions/Adding of files done upon Project's Git Repo :

 Insights

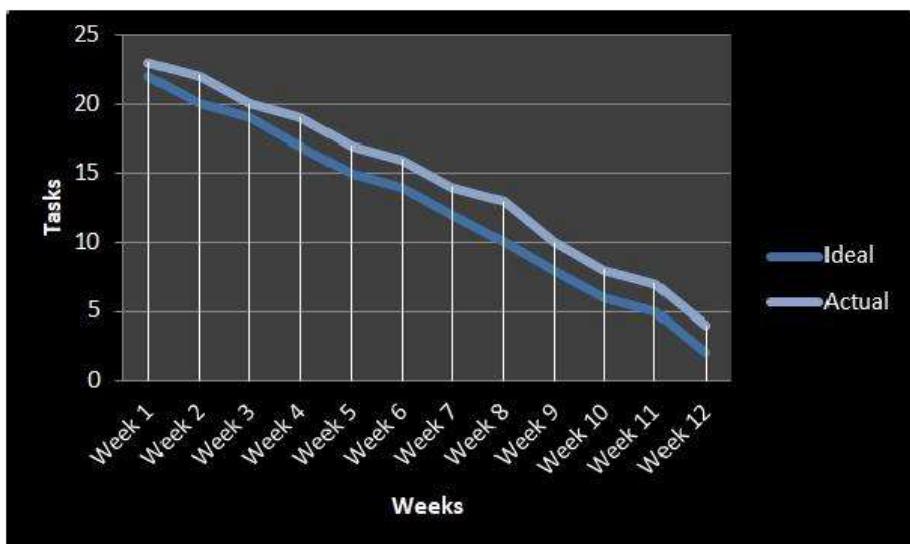
Nov 20, 2022 – Dec 3, 2022

Contributions: Additions ▾

Contributions to main, excluding merge commits and bot accounts



BURNDOWN CHART :



Code :

<https://github.com/PavankumarHegde/ShopMe>

-----THANK YOU-----