

**A Project Report on**  
**SHOPPERSTACK**  
**Submitted as partial fulfillment of the requirement**  
**For M.Sc. IT - Semester IV**

**Prepared for Subject: IT Project (ITCC14)**

**Prepared By**

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**Enrollment No.: 22MSCIT22015**

**22MSCIT22016**

**Exam No.:**



**Shri Maneklal M. Patel Institute of Sciences and Research,  
Kadi Sarva Vishwavidyalaya  
M.Sc. (IT), Gandhinagar.**

**Shri Maneklal M. Patel Institute of Sciences and Research,  
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---



Date:

**IT Project CERTIFICATE**

This is to certify that the project report submitted by Gaurav Zalavadiya,  
Kotharia Samir, having enrollment no. 22MSCIT2215, 22MSCIT22016, a student  
of M.Sc. IT Semester- IV, has completed his/her project titled "Shopper stack"  
satisfactorily during the academic year 2023-24.

We appreciate the enthusiasm & dedication towards work submitted.

**Internal Project Guide**

Mr. /Ms. Name of Guide  
Asst. Professor  
M.Sc. (IT) Department.

**Prof. (Dr) B. R. Pandya**

Head of Department, M.Sc. IT



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Date: 05/04/2024

INTERNSHIP COMPLETION CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Gaurav Rajnibhai Zalavadiya (Enrolment No. 22MSCIT22015) Student of Shree Maneklal M Patel Institute Of Science and Research, KSV University has undergone an internship program with QSPIDERS- AHMEDABAD as an Intern from 3 Months. [HE/SHE] was successfully able to participate in and accomplish all the tasks required for the project of Shoppers Stack related to Software Testing With Java.

During this time [HE/SHE] found to be hard-working, punctual, sincere, and very co-operative with other team members.

We are so grateful to have an such an Intern who has put [his/her] efforts into the project. We consider [he/she] the best team player and would like to appreciate the student's technical as well as non-technical skills throughout the internship program.

We QSPIDERS-AHMEDABAD branch wish [his/her] future endeavors.

Yours Sincerely,

From QSPIDERS-AHMEDABAD,  
Address: No. 5th & 6th Floor,  
Peninsula Plaza Between Stadium Circle &  
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Authorized Signatory

Student Signature & Date:  
Name:

## **ACKNOWLEDGMENT**

I am grateful to my internal guide **Dr.Bhavesh Kataria** for providing me valuable guidance for the **IT PROJECT** (ITCC14) and other domain related information.

I would like to express my endless thanks to **Shivu D. Shetty**, for giving invaluable advice, direction, support and transferring knowledge throughout the project work.

Also my hearty gratitude to Head of Department, **Prof. (Dr.) B. R. Pandya** for giving me an opportunity for learning through the process of project work by which I can improve my technical skills along with practical exposure and its applicability in the industry.

**Name of Student:**

**Gaurav Zalavadiya**

**Kotharia Samir**

**Signature of Student:**

Enrollment No.:

**22MSCIT22015**

**22MSCIT22016**

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## **INTRODUCTION**

Welcome to Shopperstack, where convenience meets quality!

At Shopperstack, we pride ourselves on offering a seamless online shopping experience tailored to meet your needs.

Whether you're searching for the latest fashion trends, cutting-edge gadgets, or everyday essentials, we've got you covered.

Browse through our extensive collection of products handpicked from top brands and trusted sellers. From fashion-forward apparel to state-of-the-art electronics, home essentials to fitness gear, we have something for everyone.

With our user-friendly interface and secure payment options, shopping with us is not just easy but also safe and reliable. Plus, our dedicated customer support team is always here to assist you every step of the way, ensuring your satisfaction is our top priority.

Join the millions of satisfied customers who have made Shopperstack their go-to destination for all their shopping needs. Start exploring now and experience the ultimate convenience of online shopping with us!

## **SCOPE**

The scope of an e-commerce website refers to the range and extent of features, functionalities, and services that the website aims to offer to its users. Here's a breakdown of the typical scope of an e-commerce website:

1. Product Catalog Management
2. User Registration and Authentication
3. Browsing and Search Functionality
4. Shopping Cart
5. Checkout Process
6. Payment Gateway Integration
7. Order Management
8. Customer Support and Communication
9. Security Features
10. Scalability and Performance
11. Integration with Other Systems

## **FUNCTIONAL REQUIREMENT**

Functional requirements for Shopperstack website outline the specific features and functionalities that the website must have in order to meet the needs of users and achieve its business objectives. Here are some essential functional requirements for an e-commerce website:

- 1) User Registration and Authentication: Users should be able to create accounts, log in securely, and manage their profiles, including addresses, payment methods, and order history.
- 2) Product Catalog Management: The website should allow administrators to add, edit, and delete product listings, including details such as title, description, images, pricing, and inventory levels.
- 3) Browsing and Search Functionality: Users should be able to easily browse through products using categories, filters, and sorting options, as well as search for specific products using keywords.
- 4) Product Details Pages: Each product should have its own dedicated page displaying detailed information, including images, descriptions, specifications, pricing, availability, and related products.
- 5) Shopping Cart: Users should be able to add items to their shopping carts, view cart contents, update quantities, remove items, and proceed to checkout seamlessly.
- 6) Checkout Process: A smooth and intuitive checkout process is essential, including multiple payment options, shipping

methods, billing and shipping address entry, order summary, and order confirmation.

- 7) Order Management: Administrative tools for managing orders, including order processing, order status updates, order fulfillment, shipping tracking, and communication with customers regarding order status.
- 8) Responsive Design: The website should be optimized for various devices and screen sizes, ensuring a seamless user experience across desktops, tablets, and smartphones.
- 9) Inventory Management: Tools for managing product inventory, including real-time updates on stock levels, inventory tracking, low stock alerts, and automated inventory replenishment.

## **SYSTEM ARCHITECTURE, TOOLS & TECHNOLOGY**

There are main 3 modules in Shopperstack :

- 1) Admin
- 2) User
- 3) Merchant

Technology & Tools :

- 1) Window 10/11
- 2) Operating System x32/x64

Require Software :

- 1) For Automation Scripting :
  - Eclipse IDE
- 2) For AI Automation Scripting :
  - Fireflink

# REQUIREMENT

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## SHOPPERSTACK APPLICATION

(Requirement Document)

### 1. Admin Sign Up

#### 1.1 Create Admin Account

To create an admin account, the user clicks on the link "Create Admin Account". It should consist of the following fields to create admin account 'First Name', 'Last Name', 'Gender', 'Phone Number', 'E-mail Address', 'Password', 'Confirm Password', 'Terms and conditions', 'Country', 'State', 'City' as the mandatory field to be filled for creating Admin Account in Shoppersstack application.

- 1.1.1 'First Name' text field
  - 1.1 Should accept a minimum of 3 alphabets and a maximum of 20 alphabets
  - 1.2 It is a mandatory field
- 1.1.2 'Last Name' text field
  - 2.1 Should accept a minimum of 3 alphabets and a maximum of 20 alphabets
  - 2.2 It is a mandatory field
- 1.1.3 'Gender' Radio button
  - 3.1 Should select either Male or Female
  - 3.2 It is a mandatory field
- 1.1.4 'Phone Number' text field
  - 4.1 Should accept 10 digits and a minimum of 10 digits
  - 4.2 It is a mandatory field
  - 4.3 Should accept phone numbers starting with the digits 9, 8, 7, 6
- 1.1.5 'E-mail Address' text field
  - 5.1 It is a mandatory field
  - 5.2 Should accept valid email IDs only with domain names (e.g., gmail, hotmail, yahoo)
  - 5.3 It can accept alphabets, numbers, and special characters, but space is not allowed
- 1.1.6 'Password' text field
  - 6.1 Should be alphanumeric and should contain at least one special character
  - 6.2 It is a mandatory field
- 1.1.7 'Confirm Password' text field
  - 7.1 Should be alphanumeric and should contain at least one special character
  - 7.2 It is a mandatory field
  - 7.3 Should contain a minimum of 6 and a maximum of 10 characters
  - 7.4 Should contain at least one uppercase letter
- 1.1.8 'Terms and conditions' link
  - 8.1 Should display the terms and conditions page on click
  - 8.2 It is a mandatory field
- 1.1.9 'Country' dropdown
  - 9.1 It is a mandatory field
  - 9.2 Choose a country from the dropdown
- 1.1.10 'State' dropdown
  - 10.1 It is a mandatory field
  - 10.2 Choose a State from the dropdown
- 1.1.11 'City' dropdown
  - 11.1 It is a mandatory field
  - 11.2 Choose a city from the drop down
- 1.1.12 'Register' button should be present.

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- 1.1.7 'Confirm Password' text field
  - 7.1 Should be alphanumeric and should contain at least one special character
  - 7.2 It is a mandatory field
  - 7.3 Should contain a minimum of 6 and a maximum of 10 characters
  - 7.4 Should contain at least one uppercase letter
- 1.1.8 'Terms and conditions' link
  - 8.1 Should display the terms and conditions page on click
  - 8.2 It is a mandatory field
- 1.1.9 'Country' dropdown
  - 9.1 It is a mandatory field
  - 9.2 Choose a country from the dropdown
- 1.1.10 'State' dropdown
  - 10.1 It is a mandatory field
  - 10.2 Choose a State from the dropdown
- 1.1.11 'City' dropdown
  - 11.1 It is a mandatory field
  - 11.2 Choose a city from the drop down
- 1.1.12 'Register' button should be present.

### 2. Merchant Signup

#### 2.1 To create shopper account

To Create Shopper Account, user clicks on the link Create Shopper/Merchant. Admin email to be attached to create Shopper or Merchant.

It should consist of the following fields to create admin account 'First Name', 'Last Name', 'Phone Number', 'E-mail Address', 'Password', 'Gender', 'Company Name', 'Company Name', 'Company Email', 'Company Phone Number', 'Company GSTN', 'Company Registration', 'Company Website', 'Commission', 'Company Type', 'Company Type', 'Landmark', 'Street Info', 'Pin Code', 'Country', 'State', 'City', 'Terms and conditions' as the mandatory field to be filled for creating Admin Account in Shoppersstack application.

#### 2.1.1 User Information

- 2.1.1.1 'Admin Email Id' text field

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3.1.8. 'Terms and conditions' link  
 8.1 Should display terms and conditions page on click.  
 8.2 It is mandatory.

3.1.9. 'Register' button should be present.

**4. Shopper Login**

**4.1 To login to shopper**  
 To Login to Shopper Account, User clicks on the LOGIN button

It should consist of the following fields to login as a shopper: 'Email' and 'Password', as the mandatory field to be filled for creating a Shopper Account in Shoppersstack application

4.1.1 'Email' text field  
 1.1 It is a mandatory field  
 1.2 It should accept valid Email ids only with domain name i.e. Gmail, Hotmail, Yahoo and also email which is registered to the application.  
 1.3 It can accept alphabet numbers and special characters but space is not allowed.

4.1.2 'Password' text field  
 2.1 It should be alphanumeric and should contain minimum one special character  
 2.2 It is a mandatory field  
 2.3 It should contain minimum 6 and maximum 10 characters.  
 2.4 It should contain at least one upper case.

After entering the Required Details click on "LOGIN" button

A landing Page of Shoppers will be displayed which includes various products

**5. Search Product as Shopper**

**5.1 To Search for a Specific Product as Shoppers**

5.1.1 To search for any specific product, click on the "SEARCH BAR" in the landing page  
 1.1 Click on the search bar and enter the name of the product  
 1.2 Click on the search icon present at the right hand side of the search bar  
 1.3 The products description page will be displayed

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Name', 'Company Name', 'Company Email', 'Company Phone Number', 'Company GSTN', 'Company Registration', 'Company Website', 'Commission', 'Company Type', 'Company Type', 'Landmark', 'Street Info', 'Pin Code', 'Country', 'State', 'City', 'Terms and conditions' as the mandatory field to be filled for creating Admin Account in Shoppersstack application.

**2.1.1 User Information**

2.1.1.1. 'Admin Email Id' text field  
 1.1 Should accept registered Email Id  
 1.2 It is a mandatory field

2.1.1.2. 'First Name' text field  
 2.1 Should accept minimum 3 alphabets and maximum 20 alphabets  
 2.2 It is a mandatory field

2.1.1.3. 'Last Name' text field  
 3.1 Should accept minimum 3 alphabets and maximum 20 alphabets  
 3.2 It is a mandatory field

2.1.1.4. 'E-mail Address' text field  
 4.1 It is a mandatory field  
 4.2 It should accept valid Email ids only with domain name i.e. gmail, hotmail, yahoo  
 4.3 It can accept alphabets numbers and special characters but space not allowed

2.1.1.5. 'Phone Number' text field  
 5.1 Should accept 10 digits and minimum 10 digits  
 5.2 It is a mandatory field  
 5.3 should accept phone number starting with digit 9,8,7,

2.1.1.6. 'Password' text field  
 6.1 It should be alphanumeric and should contain minimum one special character  
 6.2 It is a mandatory field  
 6.3 It should contain minimum 6 and maximum 10 characters.  
 6.4 It should contain at least one upper case

2.1.1.7. 'Gender' radio button  
 7.1 Should select either Male or Female

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7.1 Should select either Male or Female  
 7.2 It is a mandatory field.

2.1.1.8. "Next" button should be present.  
 9.1 It is a mandatory field  
 9.2 Choose a country from the dropdown

**2.1.2 Company Information**

2.1.2.1. 'Company Name' text field  
 1.1 Should accept minimum 4 alphabets  
 1.2 It is a mandatory field

2.1.2.2. 'Company Email' text field  
 2.1 It is a mandatory field.  
 2.2 It should accept valid Email ids only with domain name i.e. gmail, hotmail, yahoo  
 2.3 It can accept alphabets numbers and special characters but space not allowed

2.1.2.3. 'Company Phone Number' text field  
 3.1 Should accept 10 digits and minimum 10 digits  
 3.2 It is a mandatory field  
 3.3 should accept phone number starting with digit 9,8,7,6

2.1.2.4. 'Company GSTN' text field  
 4.1 It is a mandatory field.  
 4.2 It should accept only AlphaNumeric value  
 4.3 It should contain a minimum of 6 characters

2.1.2.5. 'Company Registration Number' text field  
 5.1 It is a mandatory field.  
 5.2 It should accept AlphaNumeric value or Numeric value  
 5.3 It should contain a minimum of 6 characters.

2.1.2.6. 'Company Website' text field  
 6.1 It is a mandatory field.  
 6.2 It should must end with .com or .in

2.1.2.7. 'Commission' text field  
 6.2 It should must end with .com or .in

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2.1.2.7. 'Commission' text field  
 7.1 It is a mandatory field.  
 7.2 It should accept number in terms of percentage min 20%

2.1.2.8. 'Company Type' dropdown  
 8.1 It is a mandatory field  
 8.2 It should contain Beauty, Pharmacy, Grooming, Clothing, Electronic, Hardware, Furniture, Appliance, Books, Toys in order.  
 8.3 If chosen is Others then must enter the company type manually.

2.1.2.9. 'Back' button should be present.

2.1.2.10. 'Next' button should be present

**2.1.3 Company Address**

2.1.3.1. 'Company Type' text field  
 1.1 It is a mandatory field  
 1.2 Should accept text information about building

2.1.3.2. 'Landmark' text field  
 2.1 It is a mandatory field  
 2.2 Should accept minimum 4 characters

2.1.3.3. 'Street Info' text field  
 3.1 It is a mandatory field  
 3.2 Should accept text information about street  
 3.3 Should accept minimum 4 characters

2.1.3.4. 'Pin Code' text field  
 4.1 It is a mandatory field  
 4.2 Should accept number about pin code  
 4.3 Should accept minimum 6 digit

2.1.3.5. 'Country' dropdown  
 5.1 It is a mandatory field

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1.3 Should accept minimum 3 digits

2.1.3.5. 'Country' dropdown  
5.1 It is a mandatory field  
5.2 Choose a country from the drop down

2.1.3.6. 'State' dropdown  
6.1 It is a mandatory field  
6.2 Choose a State from the drop down

2.1.3.7. 'City' dropdown  
7.1 It is a mandatory field.  
7.2 It should accept number in terms of percentage min 20%

2.1.3.8. 'Terms and conditions' link  
8.1 Should display terms and conditions page on click.  
8.2 It is mandatory.

2.1.3.9. 'Back' button should be present.

2.1.3.10. 'Finish' button should be present.

**3. Shopper Sign Up**

**3.1 To create shopper account**

To Create Shopper Account, user clicks on the link Create Shopper/Merchant

Admin email to be attached to create Shopper or Merchant.  
or

Shopper wants to create an account linked to Super Admin then user should click on link below login of Shopper to create linked to Super Admin. It should consist of the following fields to create admin account 'First Name', 'Last Name', 'Gender', 'Phone Number', 'E-mail Address', 'Password', 'Confirm Password', 'Terms and conditions', as the mandatory field to be filled for creating Admin Account in Shoppersstack application.

3.1.1. 'First Name' text field  
1.1 Should accept minimum 3 alphabets and maximum 20 alphabets  
1.2 It is a mandatory field

3.1.2. 'Last Name' text field  
2.1 Should accept minimum 2 alphabets and maximum 20 alphabets

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3.1.2. 'Last Name' text field  
2.1 Should accept minimum 3 alphabets and maximum 20 alphabets  
2.2 It is a mandatory field

3.1.3. 'Gender' Radio button  
3.1 Should select either Male or Female  
3.2 It is a mandatory field

3.1.4. 'Phone Number' text field/span>  
4.1 Should accept 10 digits and minimum 10 digits  
4.2 It is a mandatory field  
4.3 should accept phone number starting with digit 9,8,7,6

3.1.5. 'E-mail Address' text field  
5.1 It is a mandatory field.  
5.2 It should accept valid Email ids only with domain name i.e. gmail, hotmail, yahoo  
5.3 It can accept alphabets numbers and special characters but space not allowed

3.1.6. 'Password' text field  
6.1 It should be alphanumeric and should contain minimum one special character  
6.2 It is a mandatory field  
6.3 It should contain minimum 6 and maximum 10 characters.  
6.4 It should contain at least one upper case

3.1.7. 'Confirm Password' text field  
7.1 It should be alphanumeric and should contain minimum one special character  
7.2 It is a mandatory field  
7.3 It should contain minimum 6 and maximum 10 characters.  
7.4 It should contain at least one upper case

3.1.8. 'Terms and conditions' link  
8.1 Should display terms and conditions page on click.  
8.2 It is mandatory.

3.1.9. 'Register' button should be present.

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**5.1 To Search for a Specific Product as Shoppers**

5.1.1 To search for any specific product, click on the "SEARCH BAR" in the landing page  
 1.1 Click on the search bar and enter the name of the product  
 1.2 Click on the search icon present at the right hand side of the search bar  
 1.3 The products description page will be displayed

**5.2 To View a Product from Landing Page**

2.1 A list of products will be displayed after logging in as Shopper in the landing page  
 2.2 Scroll down until the products categories are displayed  
 2.3 Select the required category  
 2.4 Click on the product and the product description page will be displayed

**6. To Add a Product to Cart**

**6.1 To Add product to Cart from Search Bar**

6.1.1 After searching and selecting the product and entering in to the product description page  
 1.1 click on the "ADD TO CART" button present below the product description  
 1.2 "Added" will be displayed in place of "ADD TO CART"  
 After adding the product to cart number of products added will be displayed in the cart icon in the top right corner

**6.2 To Add Product to Cart from Landing Page**

6.1.2 Click on the specific product present under the products list of the categories page  
 2.1 select the specific product  
 2.2 click on the "ADD TO CART" button present below the product description  
 2.3 "Added" will be displayed in place of "ADD TO CART"  
 After adding the product to cart number of products added will be displayed in the cart icon in the top right corner

**7. To Buy a Product as Shopper**

**7.1 To buy a Product from Landing Page**

7.1.1 After selecting the required product  
 1.1 Click the Product description page there is an option "BUY NOW"  
 1.2 Click on "BUY NOW"  
 After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

**7.2 To buy a Product from Cart**

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7.1.1 After selecting the required product  
 1.1 Click the Product description page there is an option "BUY NOW"  
 1.2 Click on "BUY NOW"  
 After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

**7.2 To buy a Product from Cart**

7.1.2 After selecting the required product  
 2.1 Click on Cart icon present in the top right corner of the page  
 2.2 The products added to the cart page will be displayed  
 2.3 Click on "BUY NOW"  
 After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

**8. To Add an Address to Shoppers**

**8.1 To Add a New Address to Shoppers**

After clicking on "BUY NOW" in the "SELECT A DELIVERY ADDRESS" click on "+ADD NEW ADDRESS"  
 It should consist of the following fields to add Address as a shopper: 'Address type','Name','House Office Info','Street','Landmark','Country','State','City','Pin code','Phone Number' as the mandatory field to be filled for creating a Shopper Account in Shoppersstack application.  
 In the Add Address Form:

8.1.1 'Address type' Radio Button  
 1.1 select the required address type radio button  
 After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

8.1.2 'Name' Text field  
 1.1 Should accept minimum 3 alphabets and maximum 20 alphabet  
 1.2 It is a mandatory field  
 After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

8.1.3 'House Office Info' Text field  
 1.1 It is a mandatory field  
 1.2 The valid house address information should be entered

8.1.4 'Street' Info text field  
 1.1 Enter the valid Street Name in the text field  
 1.2 It is a mandatory field

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1.2 It is a mandatory field  
 8.1.5 'Landmark' text field  
 1.1 Enter the nearest landmark in the text field  
 1.2 It is a mandatory field  
 8.1.6 'Country' Drop down  
 1.1 click on the drop down  
 1.2 select the COUNTRY from the drop down  
 1.3 It is a mandatory field  
 8.1.7 'State' Drop down  
 1.1 click on the drop down  
 1.2 select the STATE from the drop down  
 1.3 It is a mandatory field  
 8.1.8 'City' Drop down  
 1.1 click on the drop down  
 1.2 select the CITY from the drop down  
 1.3 It is a mandatory field  
 8.1.9 'Pin code' Text field  
**NOTE: BEFORE ENTERING THE PINCODE PLEASE CLICK ON THE (i) ICON, PRODUCTS WILL BE DELIVERED ONLY TO THOSE PINCODES**  
 1.1 Enter the pin code  
 1.2 It is a mandatory field  
 8.2.0 'Phone Number' Text field  
 1.1 Should accept 10 digits and minimum 10 digits.  
 1.2 It is a mandatory field  
 1.3 should accept phone number starting with digit 9,8,7,6  
 Click on "ADD ADDRESS" at the bottom  
 "SUCCESSFULLY ADDED" message will be displayed  
**To get access to "NET BANKING" AND "DEBIT/CREDIT CARD"**  
**SCROLL DOWN TO "HELP CENTER" PRESENT AT THE BOTTOM OF THE PAGE AND CLICK ON IT**

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"SUCCESSFULLY ADDED" message will be displayed  
**To get access to "NET BANKING" AND "DEBIT/CREDIT CARD"**  
**SCROLL DOWN TO "HELP CENTER" PRESENT AT THE BOTTOM OF THE PAGE AND CLICK ON IT**

**Net Banking**  
 1 In the "HELP CENTER" click on "NET BANKING"  
 2 "REGISTER NET BANKING" page will be displayed  
 3 click on "SELECT BANK" dropdown and select the required bank  
 4 Click on "SUBMIT"

THE REQUIRED DETAILS WILL BE DISPLAYED RELATED TO NET BANKING WITH A SUCCESSFUL MESSAGE

**DEBIT CARD**  
 1 In the "HELP CENTER" click on "DEBIT CARD"  
 2. click on "SELECT BANK" dropdown and select the required bank  
 3. Click on "SUBMIT"

THE REQUIRED DETAILS WILL BE DISPLAYED RELATED TO DEBIT CARD WITH A SUCCESSFUL MESSAGE

**CREDIT CARD**  
 1 In the "HELP CENTER" click on "DEBIT CARD"  
 2. click on "SELECT BANK" dropdown and select the required bank  
 3. Click on "SUBMIT"

THE REQUIRED DETAILS WILL BE DISPLAYED RELATED TO CREDIT CARD WITH A SUCCESSFUL MESSAGE

**9.To Place an Order in Shoppers**  
 Before placing an order select the address radio button and click on "PROCEED" button  
 Select a Payment Method Page

9.1 Cash On Delivery  
 1.1 Select the cash on delivery (COD) radio button  
 1.2 Click on "PROCEED"

After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"

**Order confirm page will be displayed with a Successful banner message**

9.2 NET BANKING  
 In the select payment page click on "NET BANKING"

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Before placing an order select the address radio button and click on "PROCEED" button  
Select a Payment Method Page

9.1 Cash On Delivery  
1.1 Select the cash on delivery (COD) radio button  
1.2 Click on "PROCEED"  
After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"  
Order confirm page will be displayed with a Successful banner message

9.2 NET BANKING  
In the select payment page click on "NET BANKING"  
2.1 After selecting "NET BANKING" click on "Proceed"  
2.2 "Please select a bank" page will be displayed  
2.3 Select the required Bank radio button  
2.4 click on "Submit"  
**NET BANKING LOGIN PAGE WILL BE DISPLAYED**

It consists of the mandatory field User Id, Password  
2.5 Enter valid User Id  
2.6 Enter valid Password  
2.7 click on "Submit"  
After clicking on "BUY NOW" it will take User to the "SELECT A DELIVERY ADDRESS"  
Success banner message will be displayed  
Pay amount page will be displayed

2.8 click on "PAY NOW"  
Success Banner Message will be displayed  
"ORDER CONFIRMED" message will be displayed with a successful banner message

9.3 DEBIT CARD  
In the select payment page click on "ADD CARD"  
The mandatory fields in the "ADD CARD" page are Card Holder Name, Card Number, Pin, Expiry Month, Expiry Year, CVV  
3.1 After selecting "ADD CARD"  
3.2 "ADD CARD" popup page will be displayed  
3.3 Fill the Mandatory fields  
3.4 Click on "DEBIT" radio button  
3.5 Click on "ADD"  
3.6 "Created" banner message will be displayed

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In the select payment page click on "ADD CARD"  
The mandatory fields in the "ADD CARD" page are Card Holder Name, Card Number, Pin, Expiry Month, Expiry Year, CVV  
3.1 After selecting "ADD CARD"  
3.2 "ADD CARD" popup page will be displayed  
3.3 Fill the Mandatory fields  
3.4 Click on "DEBIT" radio button  
3.5 Click on "ADD"  
3.6 "Created" banner message will be displayed

Select the "debit card" radio button to process the payment

3.7 "Enter Card Pin" page will be displayed  
3.8 Enter the valid "PIN"  
3.9 Click on "Submit"  
4.0 Click on "Proceed"  
Success Banner Message will be displayed  
"ORDER CONFIRMED" message will be displayed with a successful banner message

9.4 CREDIT CARD  
In the select payment page click on "ADD CARD"  
The mandatory fields in the "ADD CARD" page are Card Holder Name, Card Number, Pin, Expiry Month, Expiry Year, CVV  
4.1 After selecting "ADD CARD"  
4.2 "ADD CARD" popup page will be displayed  
4.3 Fill the Mandatory fields  
4.4 Click on "DEBIT" radio button  
4.5 Click on "ADD"  
4.6 "Created" banner message will be displayed

Select the "Credit card" radio button to process the payment

3.7 "Enter Card Pin" page will be displayed  
3.8 Enter the valid "PIN"  
3.9 Click on "Submit"  
4.0 Click on "Proceed"  
Success Banner Message will be displayed  
"ORDER CONFIRMED" message will be displayed with a successful banner message

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Login

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4.0 Click on "Proceed"

Success Banner Message will be displayed  
"ORDER CONFIRMED" message will be displayed with a successful banner message

**NOTE:**  
"MAKE SURE THE DETAILS PROVIDED DURING CREATION OF ONLINE PAYMENT METHODS MATCH WITH THE DETAILS YOU PROVIDE DURING THE PAYMENT PROCESS ELSE IT WILL THROW AN ERROR MESSAGE (EVEN A SMALL SPACE MATTERS)"

**10 Admin LOGIN**  
To Login to Admin Account, User clicks on the LOGIN button and select Admin Login in the left side of the page It should consist of the following fields to login as a merchant: 'Email' and 'Password', as the mandatory field to be filled for creating an Admin Account in Shoppersstack application.

- 10.1.1 'Email' text field
  - 1.1 It is a mandatory field.
  - 1.2 It should accept valid Email ids only with domain name i.e. Gmail, Hotmail, Yahoo And also email is registered to the application.
  - 1.3 It can accept alphabet numbers and special characters but space is not allowed.
- 10.1.2 'Password' text field
  - 2.1 It should be alphanumeric and should contain minimum one special character
  - 2.2 It is a mandatory field
  - 2.3 It should contain minimum 6 and maximum 10 characters.
  - 2.4 It should contain at least one upper case.
- 10.1.3 'Login' button should be present.  
After entering the Required Details click on "LOGIN"button  
Admin home page will be displayed

**11 Merchant LOGIN**  
To Login to Admin Account, User clicks on the LOGIN button and select Admin Login in the left side of the page It should consist of the following fields to login as a merchant: 'Email' and 'Password', as the mandatory field to be filled for creating an Admin Account in Shoppersstack application.

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12.1.3 'Cost' text field  
1.1 enter the required cost in the textfield

12.1.4 'Start date , End Date'  
1.1 Click on the Calendar Icon present at the right corner of the textfield

12.1.5 'Application Name dropdown'  
1.1 By default when You click on the text field "SHOPPINGKART" will be selected

12.1.6 'Voucher count Text field'  
1.1 Enter the required Count in the testfield  
Click on "GENERATE"  
The voucher will get created

**12.2 View Coupons**  
After the coupons get generated a "COUPON GENERATOR" page will be displayed , click on View coupons

- 1.1 In the "Search Text Field" enter the email id and click on search button  
The coupon will be displayed

**13 To Use The Coupon Generated**  
To Use the coupon

- 1.1 First go to "Account Settings"
- 1.2 Select "My Wallet"
- 1.3 Copy the Voucher Code from the table
- 1.4 Paste it in the "Apply Coupon"
- 1.5 Click on "Verify"

Voucher Redeemed successfully will be displayed

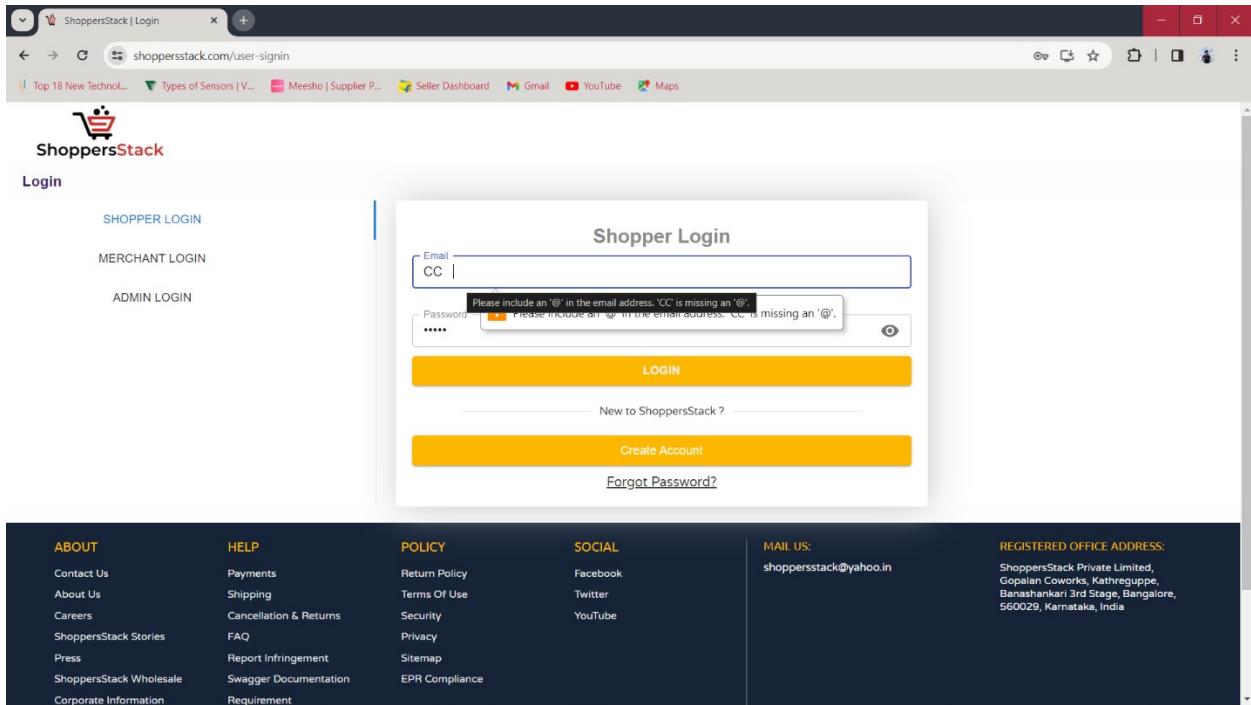
- 1.6 Add a product to cart
- 1.7 Click on "Buy Now"
- 1.8 Select the address
- 1.9 Select the "Payment" Method
- 1.10 check the "Use Wallet Balance" Check box
- 1.11 Click on proceed

The cost of the product will be reduced based on the Voucher cost applied

## FUNCTIONALITY TESTING

Testing each and every component or feature of an application thoroughly in detail, against customer requirement specification is called as Functionality Testing.

### 1.Login Page:



### Email Text Field:

- To check that or verify that Email ID Text field Should accept only alphabetic characters.
- To check that or verify that Email ID Text field Should not accept special characters.
- To check that or verify that Email ID Text field Should accept special characters only '@' and '\_'.
- To check that or verify that Email ID Text field Should accept the mail ID ends with email format like

‘abc@gmail.com’,  
‘Abc@yahoo.com’,’ABC@hotmail.com’.

- To check that or verify that Email ID Text field Should not accept empty or null value.
- To check that or verify that Email ID Text field Should not accept duplicate or repeated mail Id.
- To check that or verify that Email ID Text field Should be visible or appear in login page.
- To check that or verify that Email ID Text Field should be display validation or suggestion if, user enter an invalid email ID.

#### Password Test Field:

- To check that or verify that Password Text Field should accept only alphanumeric character and special character.
- To check that or verify that Password Text Field should accept more than 6 characters
- To check that or verify that Password Text Field should not accept null or empty value.
- To check that or verify that Password Text Field should accept only alphanumeric character and special character.
- To check that or verify that Password Text Field should be visible or appear in login page.
- To check that or verify that Password Text Field should accept one or more uppercase letters, lowercase letter and one or more special character.

- To check that or verify that Password Text Field should be display validation or suggestion if, user enter an invalid password.
- To check that or verify that Password Text Field should be maximum length of characters.
- To check that or verify that Password Text Field should hide the password character, if user clicks on Hide option.
- To check that or verify that Password Text Field should show the password character, if user clicks on Show option.
- To check that or verify that Password Text Field, Hide and Show button should be workable or not.

#### Login Button:

- To check that or verify that Login button should be visible or appear in the login page.
- To check that or verify that Login button should be redirect to home page, if user enter all valid inputs.
- To check that or verify that Login button should be displays an appropriate error message, if user enter an invalid input.

#### 2. Registration Page:

**Create Your Profile**

One profile ID is all you need to access all KART services. You already have a profile? [Sign In](#)

First Name *	Last Name *
Gender	<input type="radio"/> Female <input type="radio"/> Male <input type="radio"/> Other
Phone Number *	Email Address *
Password *	Confirm Password *

I agree to the [Terms and Conditions](#)\*

[Register](#)

---

<b>ABOUT</b>	<b>HELP</b>	<b>POLICY</b>	<b>SOCIAL</b>	<b>MAIL US:</b>	<b>REGISTERED OFFICE ADDRESS:</b>
Contact Us About Us Careers ShoppersStack Stories Press	Payments Shipping Cancellation & Returns FAQ Report Infringement	Return Policy Terms Of Use Security Privacy Sitemap	Facebook Twitter YouTube	shoppersstack@yahoo.in	ShoppersStack Private Limited, Gopalan Coworks, Kathreguppe, Banasankari 3rd Stage, Bangalore, 560029, Karnataka, India

## First Name Text Field:

- To check that or verify that First Name Text field Should accept only alphabets.
- To check that or verify that First Name Text field Should not accept special character.
- To check that or verify that First Name Text field Should not accept numbers.
- To check that or verify that First Name Text field Should not accept only one character.
- To check that or verify that First Name Text field Should accept more than one characters.
- To check that or verify that First name Text field Should accept character according to specified length.
- To check that or verify that First Name Text field Should be visible in registration page.

- To check that or verify that First Name Text field Should not accept special character.
- To check that or verify that First Name Text field Should be display validation, if user enter wrong input.

#### Last Name Text Field:

- To check that or verify that Last Name Text field Should accept only alphabets.
- To check that or verify that Last Name Text field Should not accept special character.
- To check that or verify that Last Name Text field Should not accept numbers.
- To check that or verify that Last Name Text field Should not accept only one character.
- To check that or verify that Last Name Text field Should accept more than one characters.
- To check that or verify that Last Name Text field Should accept character according to specified length.
- To check that or verify that Last Name Text field Should be visible in registration page.
- To check that or verify that Last Name Text field Should not accept special character.
- To check that or verify that Last Name Text field Should be display validation, if user enter wrong input.

#### Gender Radio Button Field:

- To check that or verify that Gender Radio Button Field Should accept only one select option.

- To check that or verify that Gender Radio Button Field Should not accept input, if user select more than one option.
- To check that or verify that Gender Radio Button Field Should be clickable only one option at a time.
- To check that or verify that Gender Radio Button Field Should be visible in registration page.
- To check that or verify that Gender Radio Button Field Should be display validation, if user enter not select any option.

#### Phone Number Text Field:

- To check that or verify that Phone Number Text Field Should accept only numbers.
- To check that or verify that Phone Number Text Field Should accept only integer numbers.
- To check that or verify that Phone Number Text Field Should not accept special characters.
- To check that or verify that Phone Number Text Field Should not accept alphabets.
- To check that or verify that Phone Number Text Field Should not accept more than 10 numbers.
- To check that or verify that Phone Number Text Field Should not accept less than 0 numbers.
- To check that or verify that Phone Number Text Field Should not accept floating value.
- To check that or verify that Phone Number Text Field Should be visible in registration page.

- To check that or verify that Phone Number Text Field Should be display validation, if user enter wrong input.

### Register Button:

- To check that or verify that Register button should be visible or appear in the registration page.
- To check that or verify that Register button should be redirect to home page, if user enter all valid inputs.
- To check that or verify that Register button should be displays an appropriate error message, if user enter an invalid input.

### Scenario:

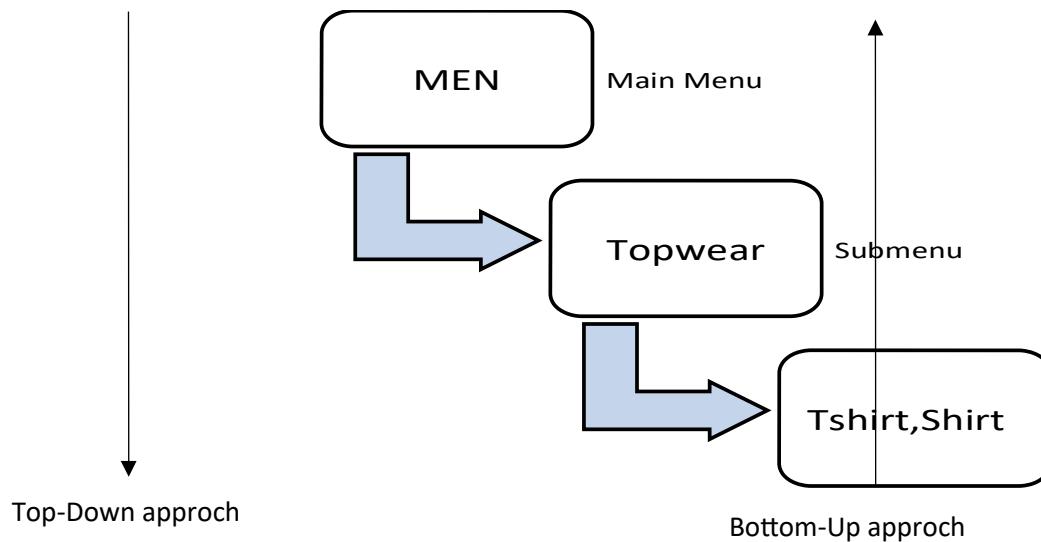
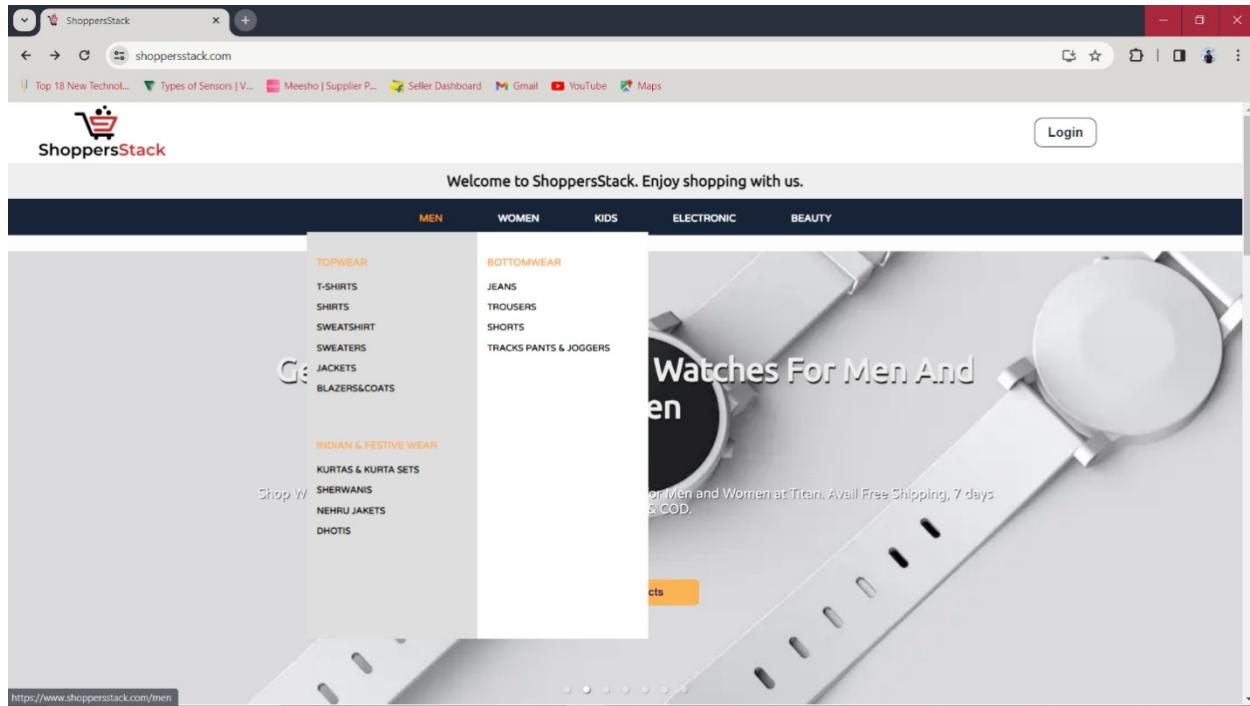
Component	Input/Scenario/Cases	Expected Result
Username	ABCD	A
	abcde	A
	Abc	R
	Aa@a12	R
Password	A1@a1A	A
	A1A1A1	R
	A@#16	A
	B@aC	R
Gender	User select Male	A
	User select Female	A
	User Select Other	A

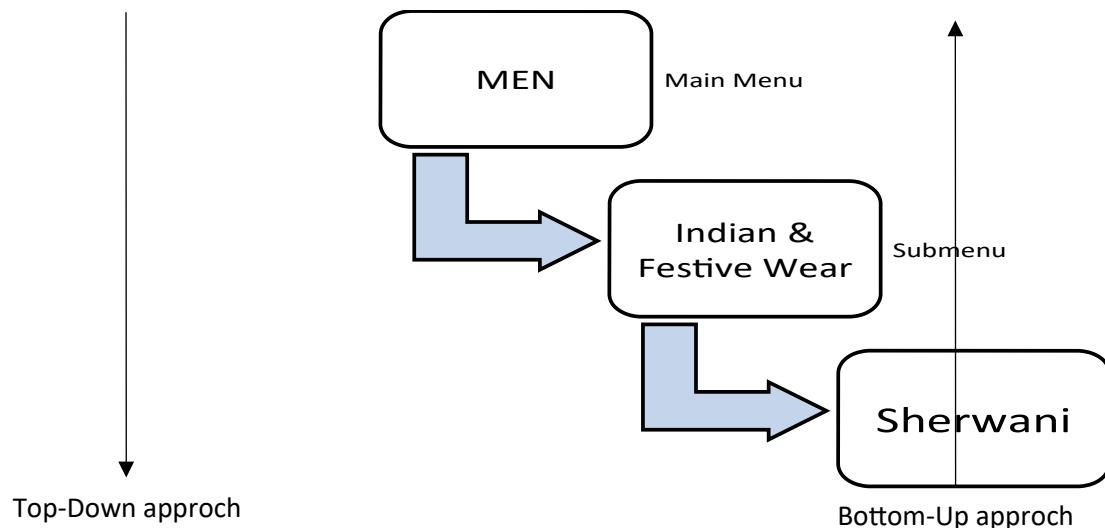
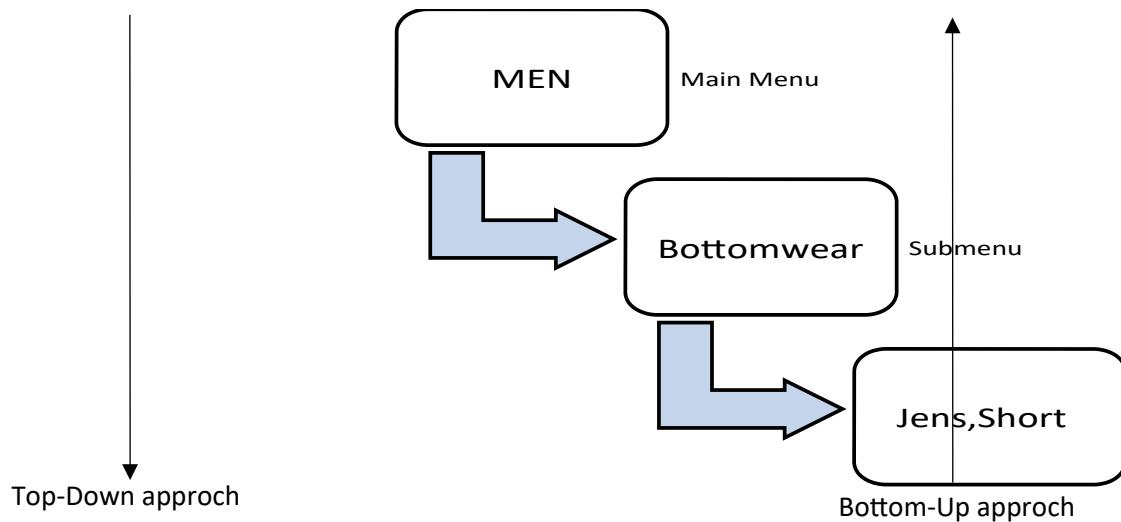
	Select both option Not select any option	R R
Phone no.	12 12 12 12 12 8849485558 +91 8849485558 0000.509991.5 A987654321 8849#12654 7875642101	R A R R R R A

## **INTEGRATION TESTING**

Testing the data flow between the modules is called as Integration Testing.

1. Men Menu:

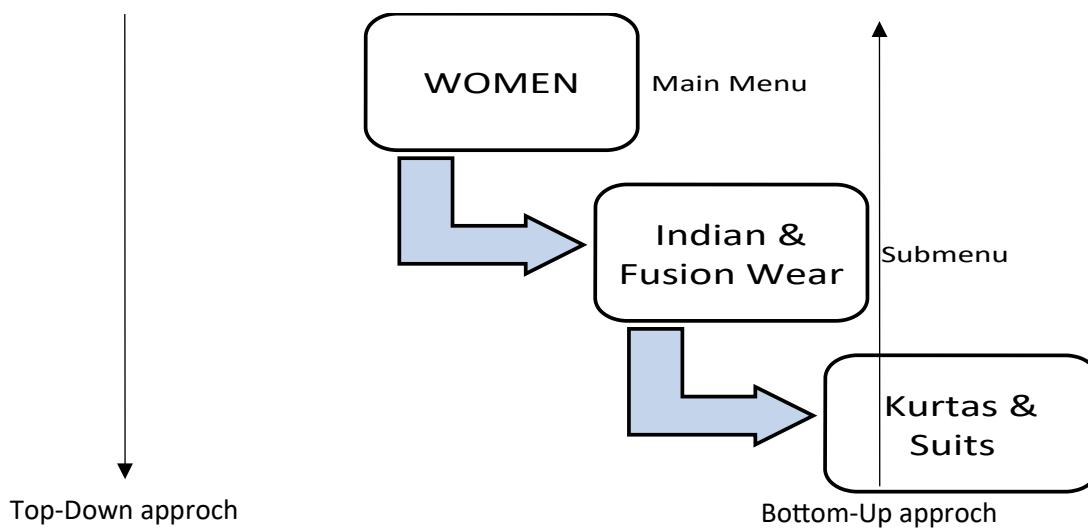
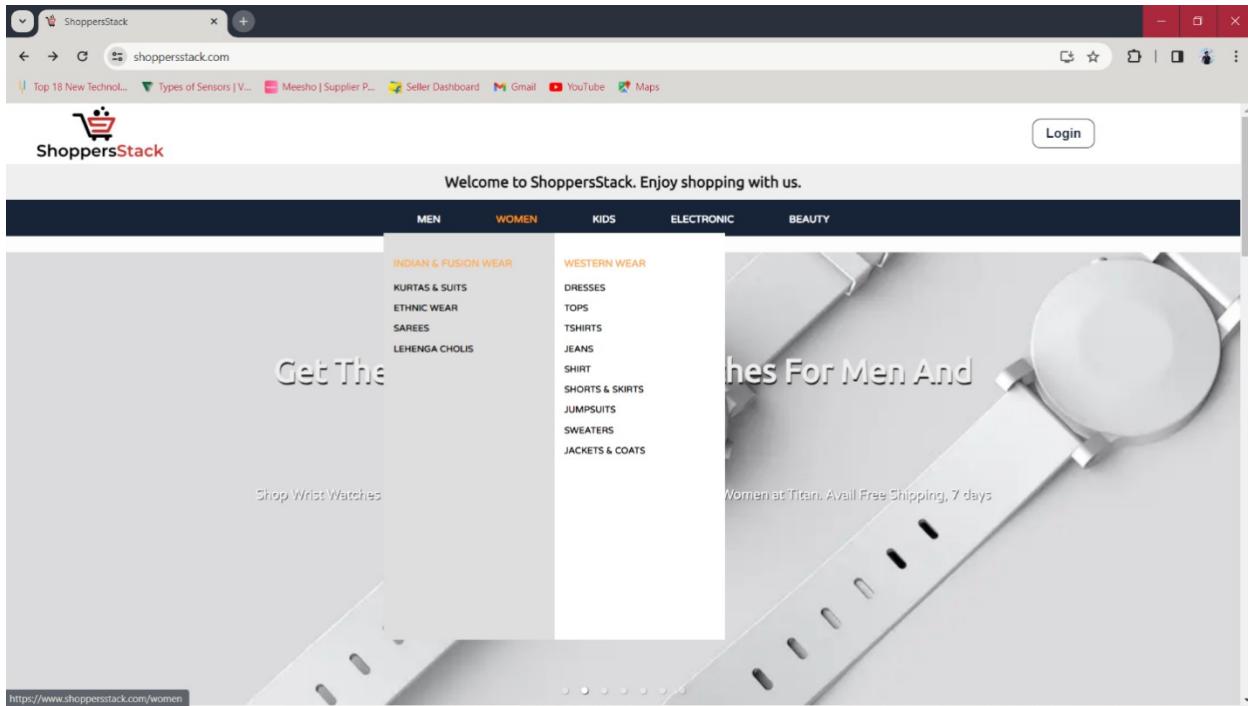




If user want to buy T-shirt or others top wear :

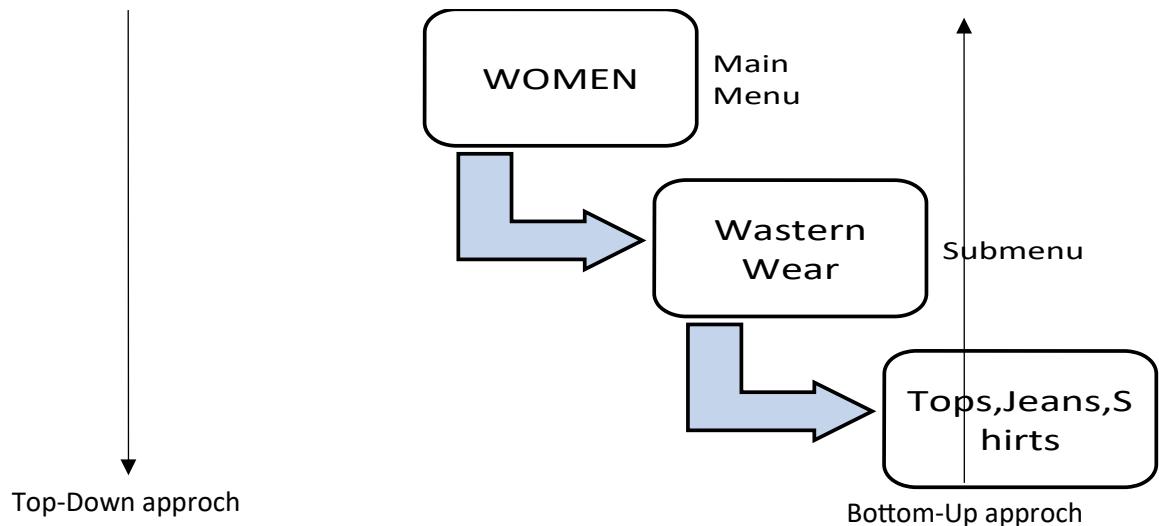
- Log as username and password.
- Select ‘men’ menu.
- In ‘men’ menu select ‘Top wear’.
- In a ‘Top wear’ menu select T-shirt or particular items.

## 2. Women Menu:



If user want to buy sarees or others Indian wear:

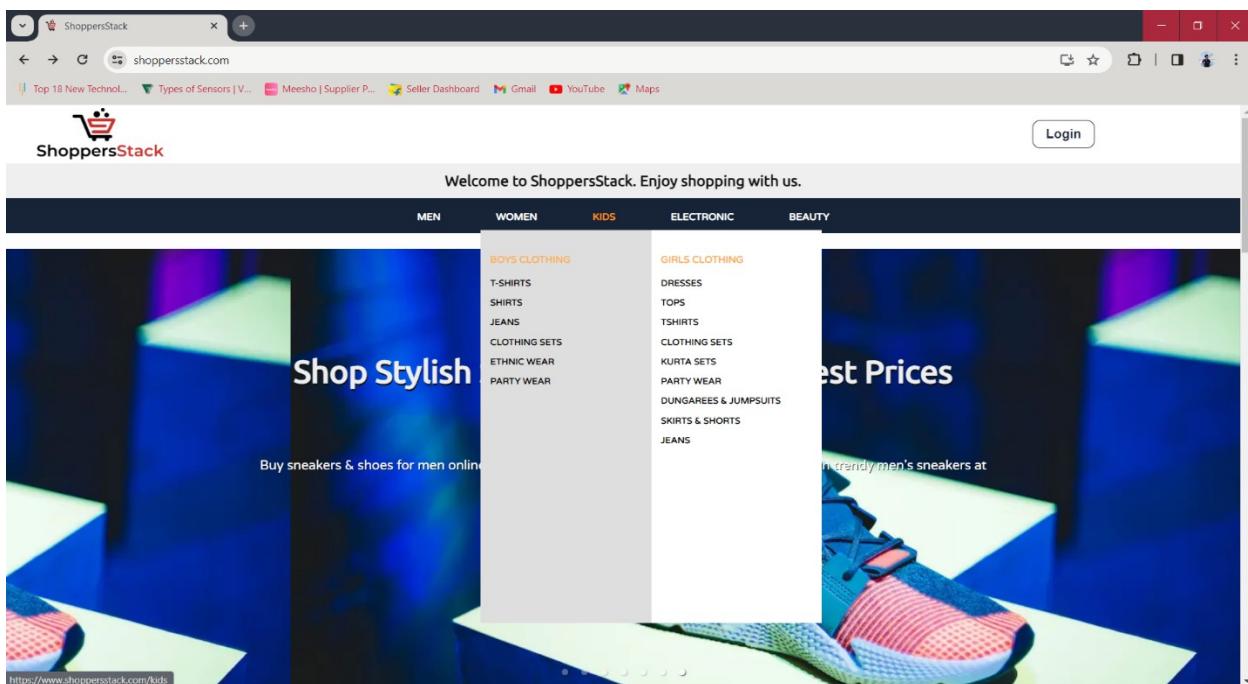
- Log as username and password.
- Select 'women' menu.
- In 'men' menu select 'Indian & Fusion Wear'.
- In a 'Indian & Fusion wear' menu select Sarees or particular items.

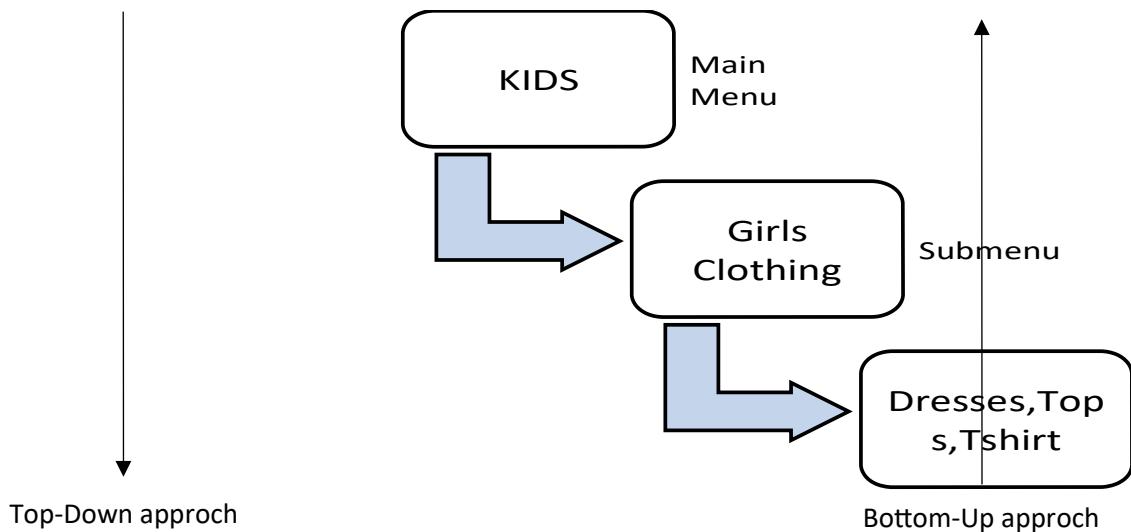
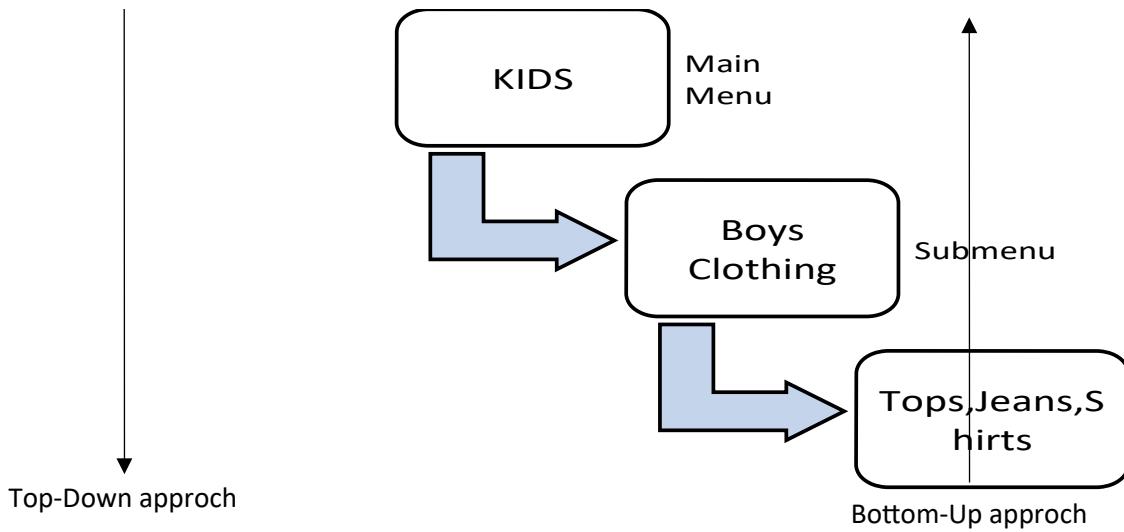


If user want to buy Jeans or others Western wear:

- Log as username and password.
- Select ‘women’ menu.
- In ‘men’ menu select ‘Western wear’.
- In a ‘Western wear’ menu select Jeans or particular items.

### 3. Kids Menu:





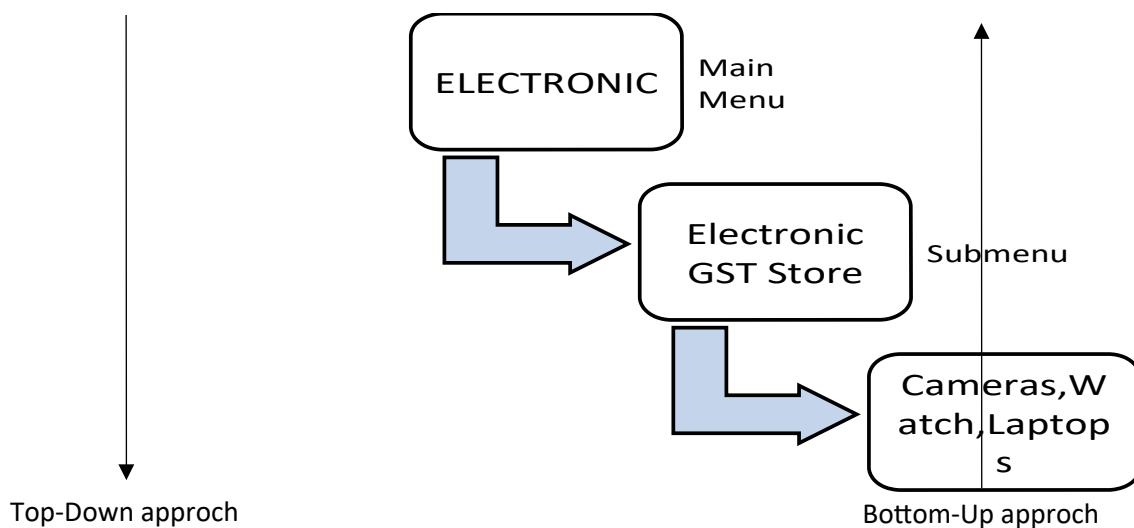
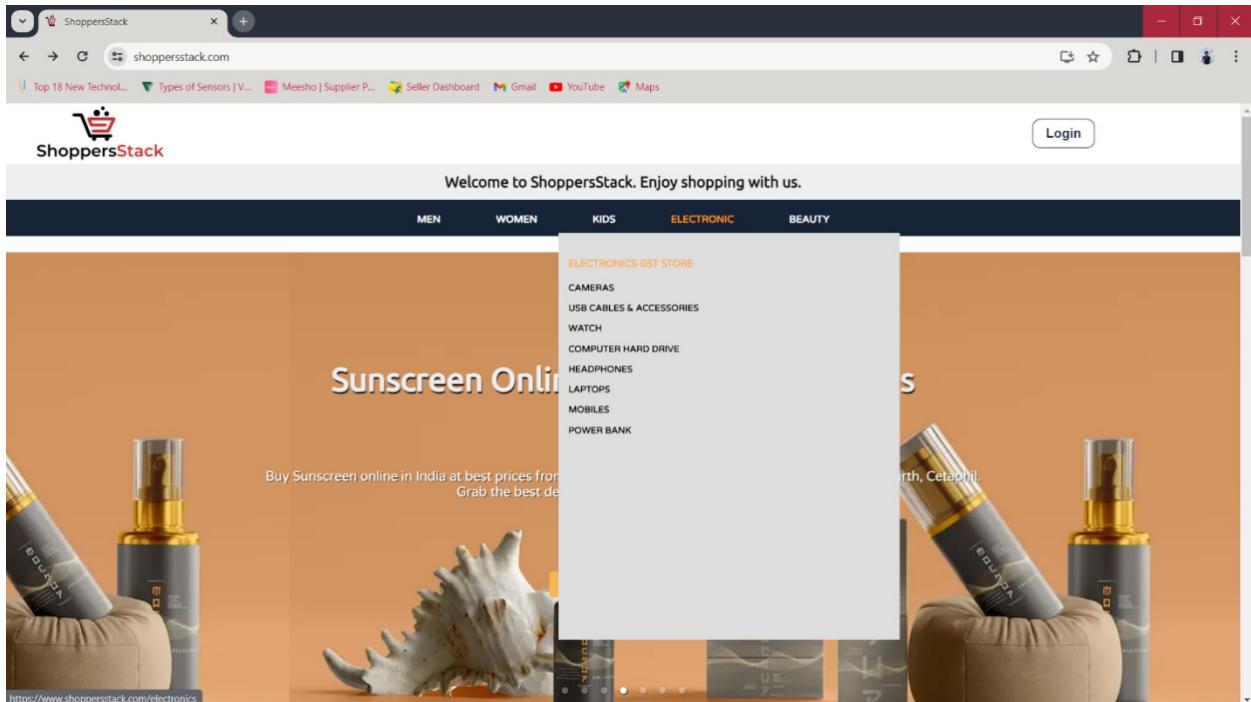
If user want to buy child girl t-shirt:

- Log as username and password.
- Select ‘kids’ menu.
- In ‘kids’ menu selects ‘Girls Clothing’.
- In a ‘Girls Clothing’ menu select t-shirt.

If user want to buy children cloths:

- Log as username and password.
- Select ‘kids’ menu.
- In ‘kids’ menu selects ‘Girls Clothing’ or ‘Boys Clothing’.

#### 4. Electronic Menu:



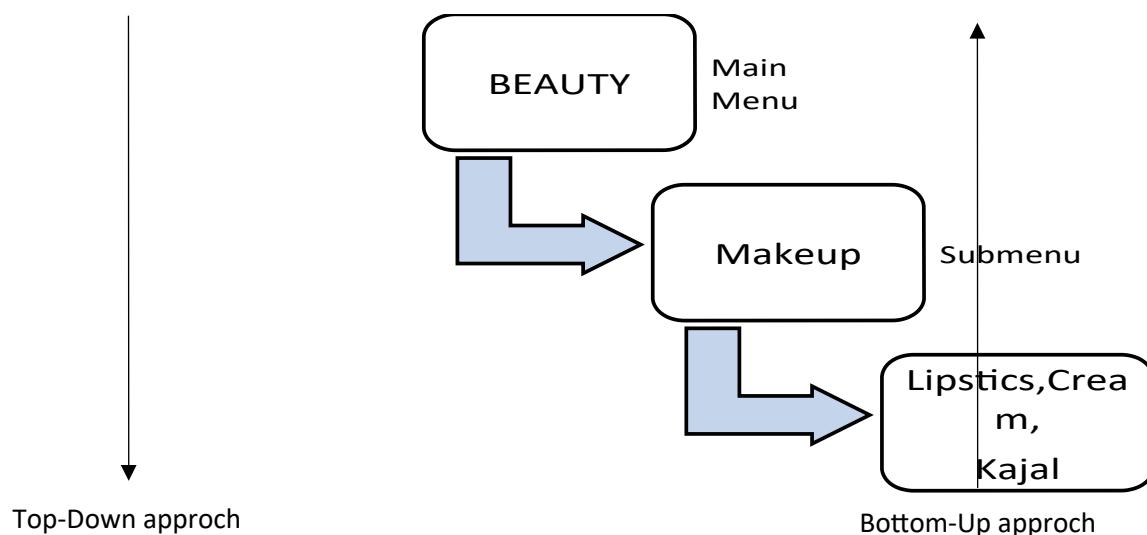
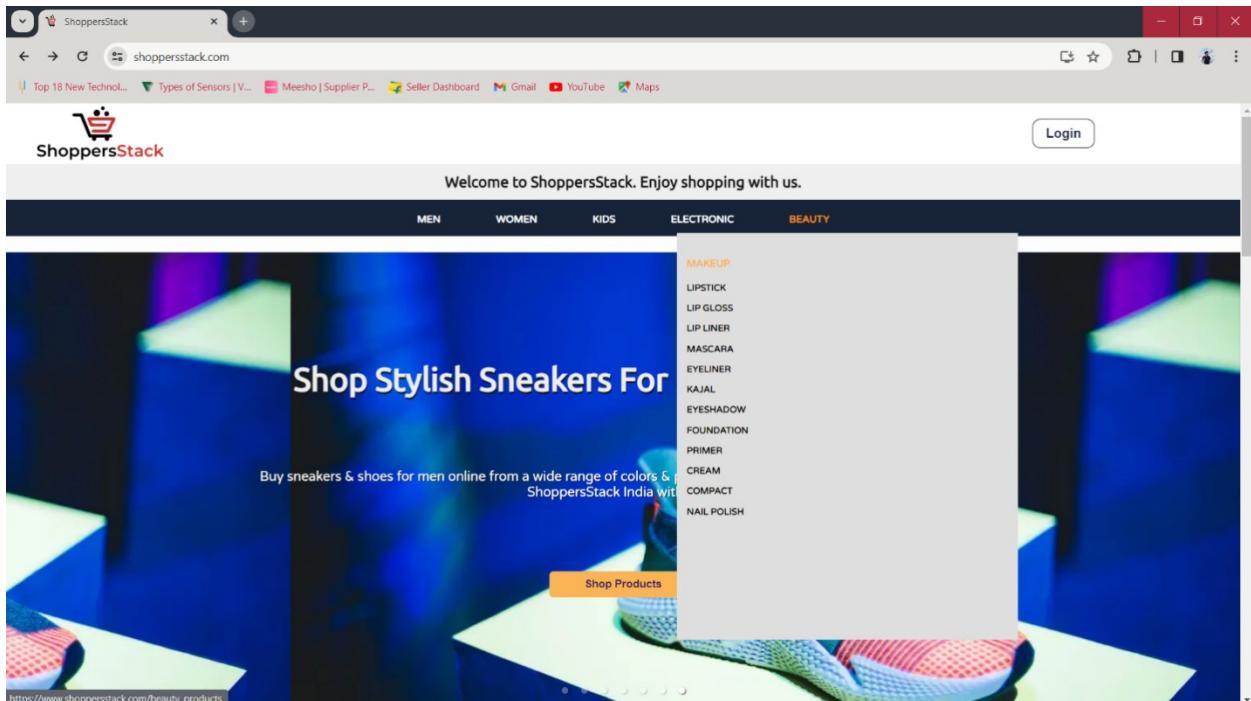
If user want to buy Mobile:

- Log as username and password.
- Select 'Electronic' menu.
- In 'Electronic' menu select 'Electronic GST Store'.
- In a 'Electronic GST Store' menu select mobiles.

If user want to buy any electronics items:

- Log as username and password.
- Select ‘Electronic’ menu.
- In ‘Electronic’ menu select ‘Electronic GST Store’.

## 5. Beauty Menu:



If user want to buy any beauty items:

- Log as username and password.
- Select ‘Beauty’ menu.
- In ‘Beauty’ menu select ‘makeup’.

If user want to buy cream or other beauty items:

- Log as username and password.
- Select ‘Beauty’ menu.
- In ‘Beauty’ menu select ‘makeup’.
- In ‘makeup’ menu select ‘cream’ or other beauty items.

## SYSTEM TESTING

It is end to end testing where in test Environment is just similar to production environment.

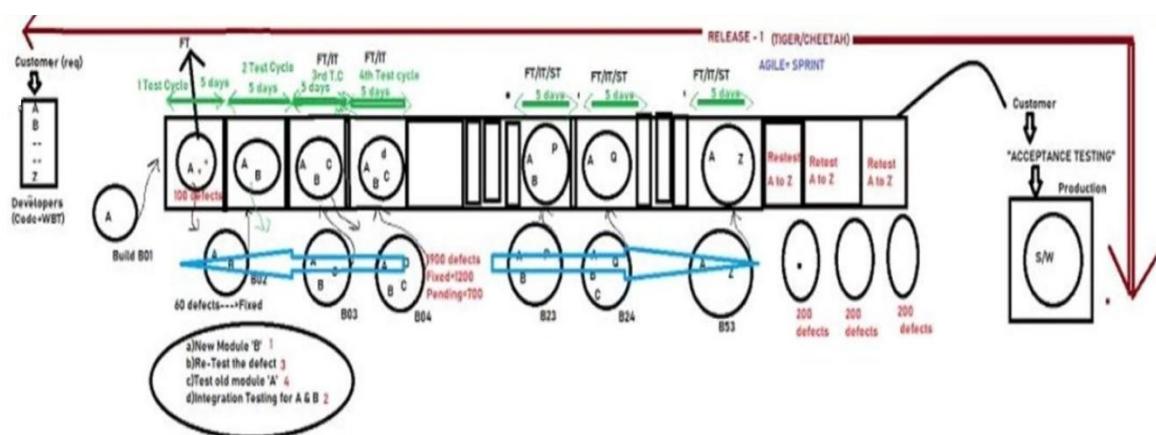
- End to end testing: -

Navigating through all the features and make sure that end features or last feature is working or not is called as end to end testing.

NOTE:

- Whenever we are doing end to end testing, we are not bothered about Functionality testing and integration testing.

Below figure is Showing the System Testing:



## **PERFORMANCE TESTING**

It is also known as Bottle neck testing, Spikelike testing or Baseline testing.

Testing the stability and response time of an application by applying load, is called as performance testing.

Response time: -

Total time taken to receive the request, Execute the program and send the response is called response time.

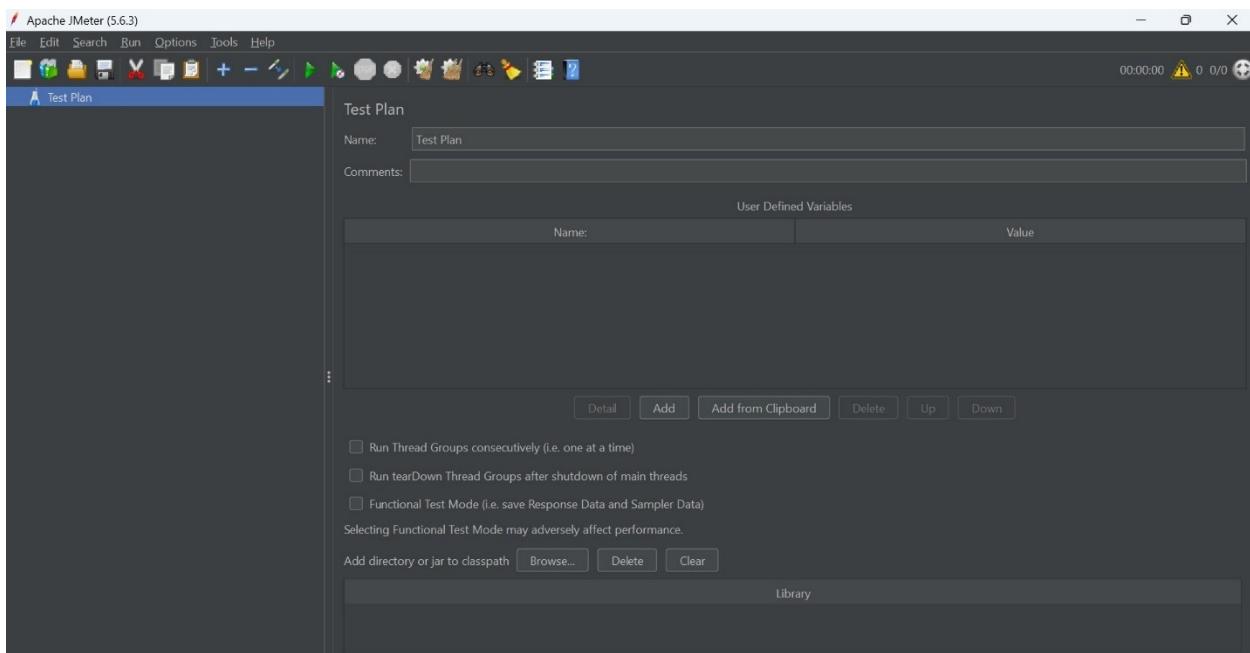
Performance Testing Tools: -

1. JMeter
2. Neo-load
3. Load-Runner

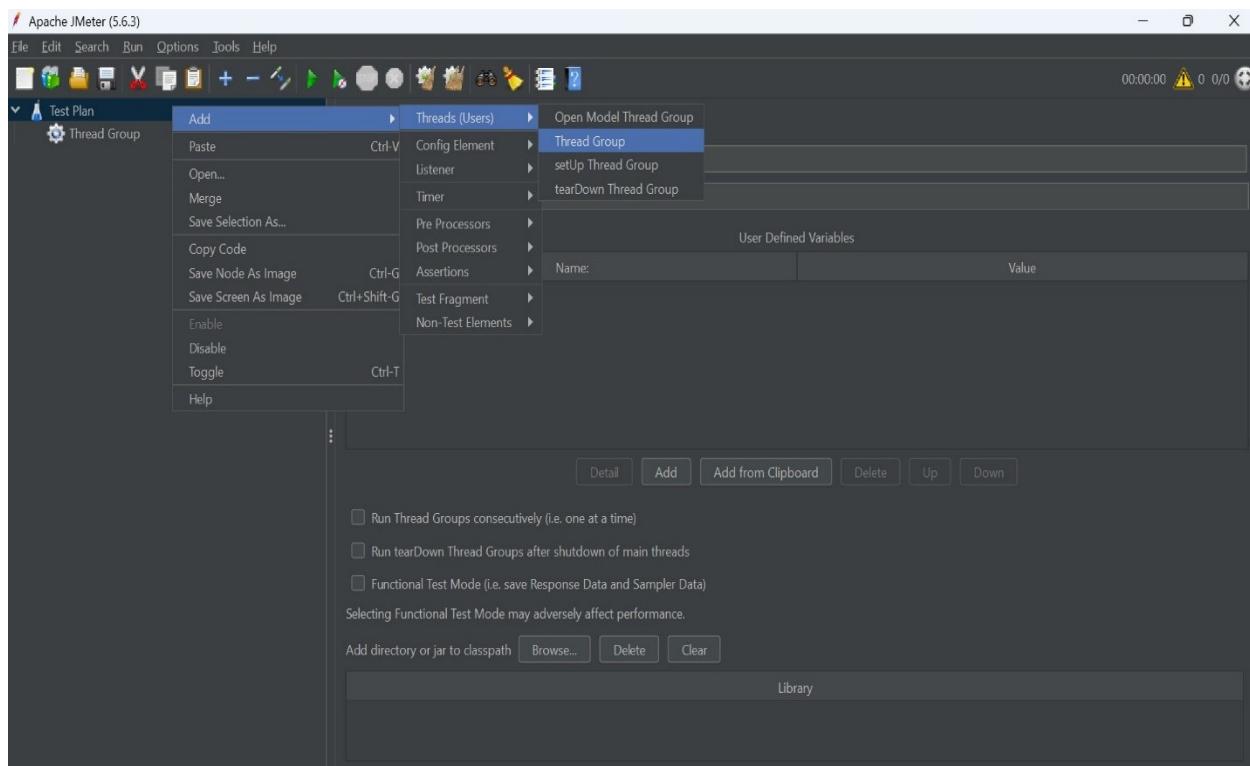
- How to do performance testing using performance testing with tools.
  - Take performance testing tool (JMeter), Write a Script.
  - Click on run it will ask how many users and click on run.
  - Request are fired to server, now there is a heavy load on server.
  - Server send the response to performance testing tool.

- Tool analyze the response and gives the result and in form of flow chart, Table, and Graph.
  - Check whether the test is pass or fail.
- 
- If test fail send it to developer, developer will alter the code to improve the performance this is called performance tuning.
  - Once again test engineer should run the script.
  - Repeat all the Steps.

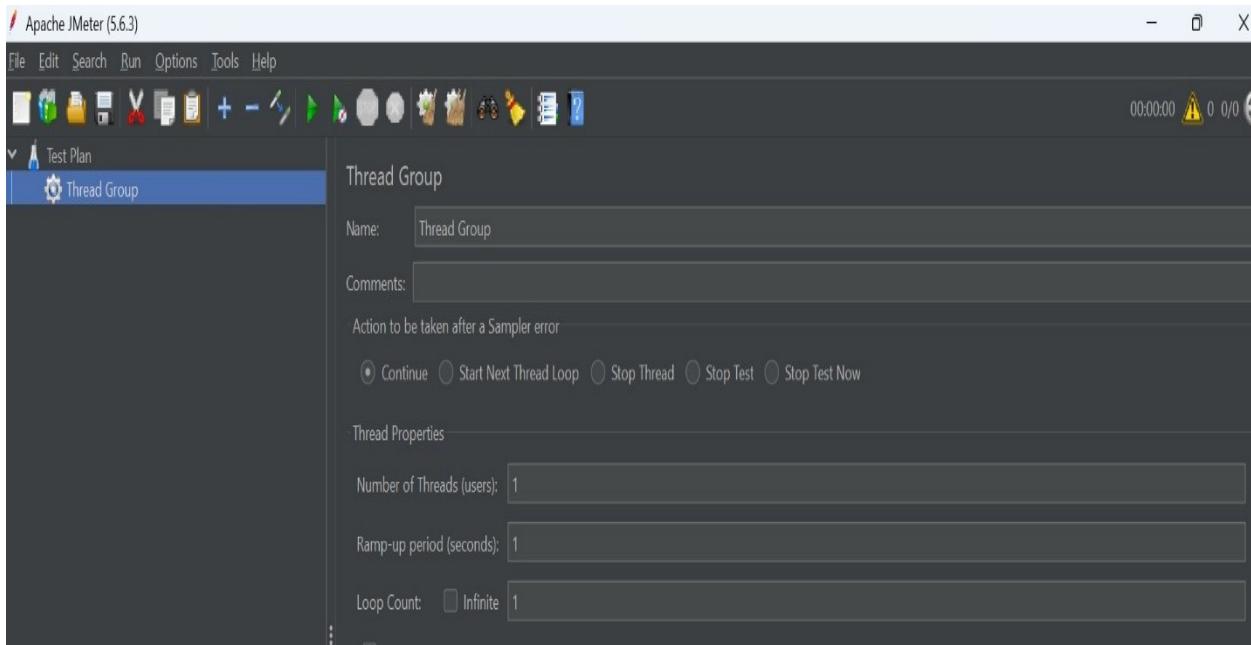
## **Below Are Some Step-by-Step Images for Performing Performance Testing with JMETER Tool.**



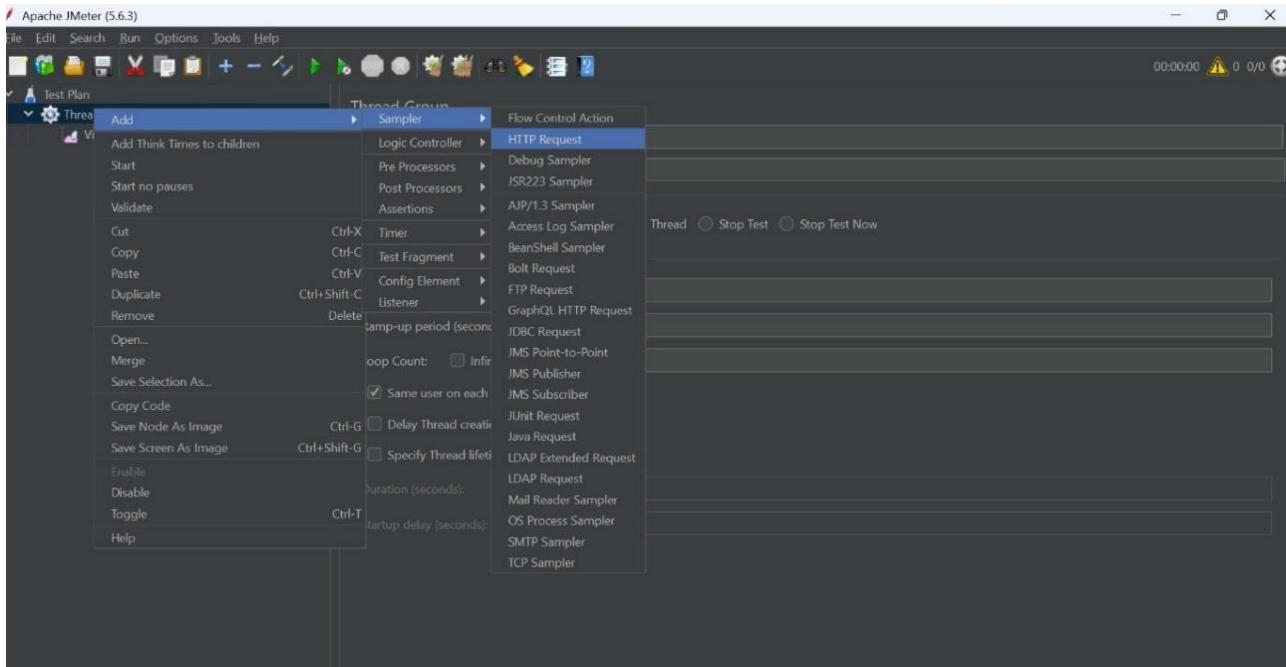
Here, we add the name of the test plan.



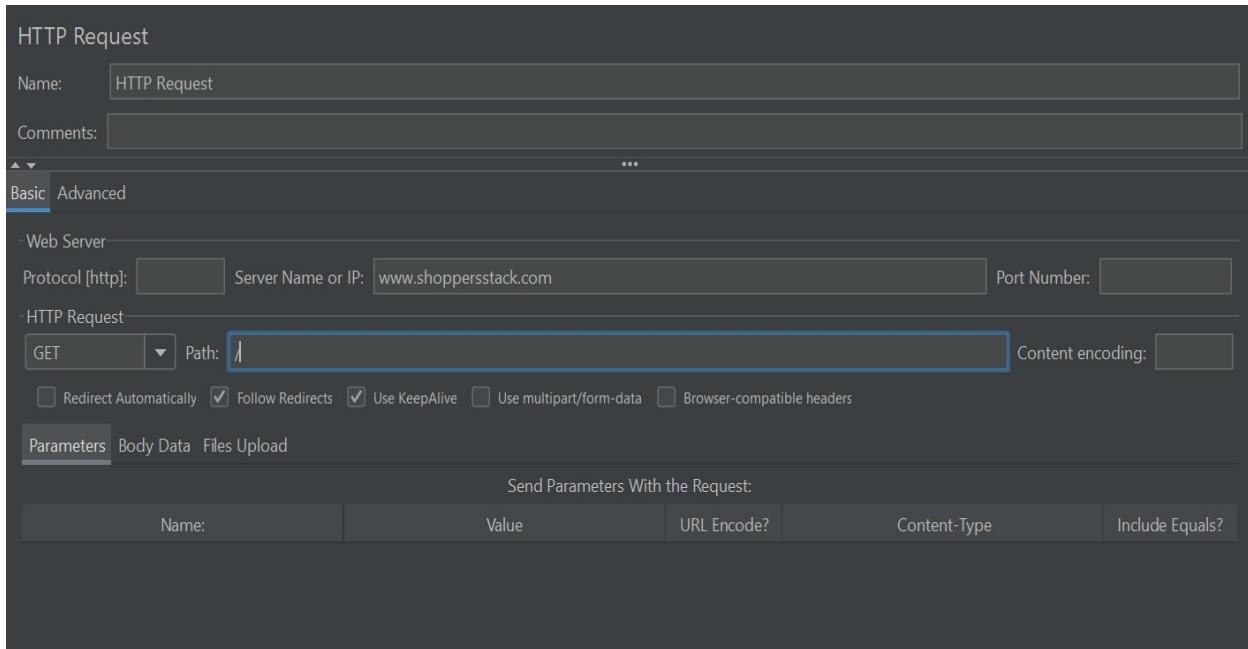
Here we add the Thread Group where we enter the details for performing no. of threads/Users accessing the application, with time.



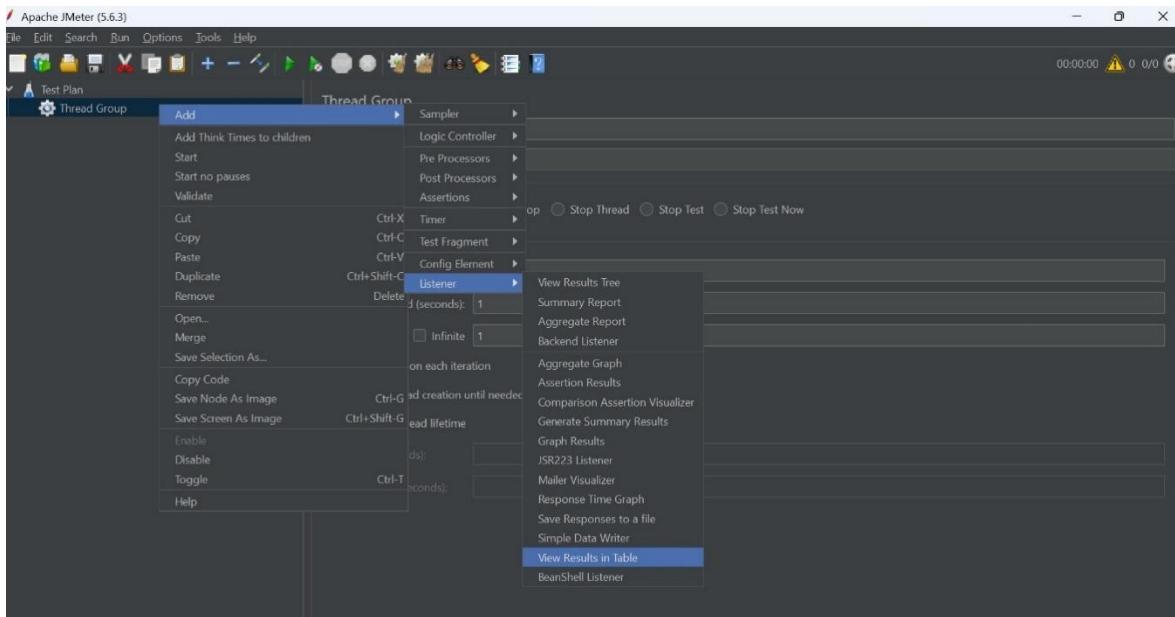
After Setting up the Thread Group, we add the Sampler where we can select HTTP Request.



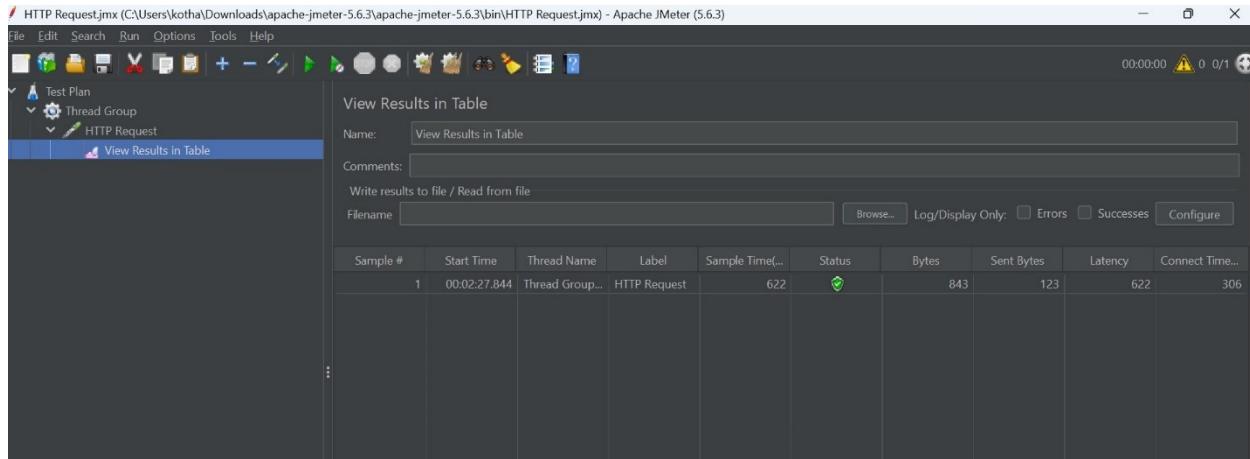
In HTTP Request we can enter Server ID or IP And we can add the Path, as shown in Figure...



After Setting up the HTTP Request, we add the Listener where we can select in which form, we want testing result.



After adding the listener, we run the test and its gives result in the form of table which we select in listener.



It's a result with 1 user only and its pass, in status its shows green than the test is pass, if its shows red than fail. Its shows Average time, Latency, Bytes size, Connection time as shown in Image. It depends on the number of users are enter.

Here, it's a failure test result: -

Comments: [ ]									
Write results to file / Read from file									
Filename [ ] Browse... Log/Display Only: <input type="checkbox"/> Errors <input type="checkbox"/> Successes <input type="button" value="Configure"/>									
<b>Sample #</b> <b>Start Time</b> <b>Thread Name</b> <b>Label</b> <b>Sample Time(...)</b> <b>Status</b> <b>Bytes</b> <b>Sent Bytes</b> <b>Latency</b> <b>Connect Time...</b>									
1	00:05:06.119	Thread Group...	HTTP Request	12502	<span style="color: red;">✗</span>	2228	0	0	12502
2	00:05:07.063	Thread Group...	HTTP Request	11559	<span style="color: red;">✗</span>	2228	0	0	11559
3	00:05:06.292	Thread Group...	HTTP Request	12329	<span style="color: red;">✗</span>	2228	0	0	12329
4	00:05:20.551	Thread Group...	HTTP Request	505	<span style="color: green;">✓</span>	942	123	505	289

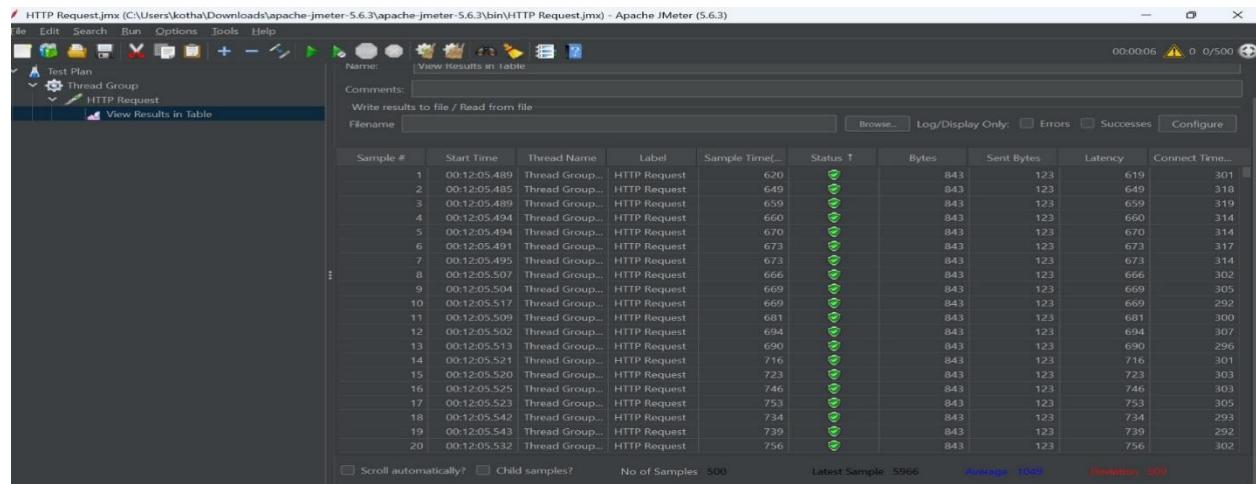
After completing the testing of one path, then we repeat the steps and we have to just change the path as we see in the image:

**HTTP Request**

Name:	<input type="text" value="HTTP Request"/>				
Comments:	<input type="text"/>				
<input checked="" type="radio"/> Basic <input type="radio"/> Advanced					
<b>Web Server</b>					
Protocol [http]:	<input type="text"/>	Server Name or IP:	<input type="text" value="www.shoppersstack.com"/>	Port Number:	<input type="text"/>
<b>HTTP Request</b>					
Method:	<input type="button" value="GET"/>	Path:	<input type="text" value="/user-signin"/>		
<input type="checkbox"/> Redirect Automatically <input checked="" type="checkbox"/> Follow Redirects <input checked="" type="checkbox"/> Use KeepAlive <input type="checkbox"/> Use multipart/form-data <input type="checkbox"/> Browser-compatible headers					
<input type="button" value="Parameters"/> <input type="button" value="Body Data"/> <input type="button" value="Files Upload"/>					
Send Parameters With the Request: <input type="checkbox"/>					

If we increase the Number the users than it gives result like as shown in image:

It's for passing result.



For Failure result:

Sample #	Start Time	Thread Name	Label	Sample Time(...)	Status	Bytes	Sent Bytes	Latency	Connect Time...
81	00:07:19.958	Thread Group...	HTTP Request	621	✗	294	134	621	303
82	00:07:19.848	Thread Group...	HTTP Request	767	✗	294	134	767	370
83	00:07:19.968	Thread Group...	HTTP Request	663	✗	294	134	663	324
84	00:07:19.919	Thread Group...	HTTP Request	728	✗	294	134	728	356
85	00:07:20.007	Thread Group...	HTTP Request	652	✗	294	134	652	310
86	00:07:19.989	Thread Group...	HTTP Request	676	✗	294	134	676	323
87	00:07:20.018	Thread Group...	HTTP Request	647	✗	294	134	647	320
88	00:07:19.977	Thread Group...	HTTP Request	688	✗	294	134	688	321
89	00:07:19.428	Thread Group...	HTTP Request	1300	✗	294	134	1300	265
90	00:07:19.998	Thread Group...	HTTP Request	781	✗	294	134	781	382
91	00:07:19.459	Thread Group...	HTTP Request	1353	✗	294	134	1353	260
92	00:07:19.547	Thread Group...	HTTP Request	1410	✗	294	134	1410	281
93	00:07:19.569	Thread Group...	HTTP Request	1466	✗	294	134	1466	293
94	00:07:19.748	Thread Group...	HTTP Request	1575	✗	294	134	1575	308
95	00:07:19.758	Thread Group...	HTTP Request	1565	✗	294	134	1565	297
96	00:07:19.729	Thread Group...	HTTP Request	1611	✗	294	134	1611	1306
97	00:07:19.788	Thread Group...	HTTP Request	1616	✗	294	134	1616	1304
98	00:07:19.929	Thread Group...	HTTP Request	1588	✗	294	134	1588	1289
99	00:07:19.897	Thread Group...	HTTP Request	1620	✗	294	134	1620	1310
100	00:07:19.948	Thread Group...	HTTP Request	3702	✗	294	134	3702	339

## Types of Performance Testing: -

- Load Testing

- Stress Testing
- Volume Testing
- Soak/Endurance Testing

### **Load Testing: -**

Testing stability and response time of application by applying load less than or equal to designed number of users.

### **Stress Testing: -**

Testing stability and response time of application by applying load more than designed number of users.

### **Volume Testing: -**

Testing stability and response time of application by transforming huge volume of data.

### **Soak Testing: -**

Testing Stability and response time of application by applying load continuously for particular period of time.

- For what kind of application we do performance Testing.
  - Any application which is used by multiple users.
  - Any application which generates lots of revenue.

## **TEST CASE**

Login Page :

Step No.	Description	Input	Expected result	Actual result	Status	Comment
11	1 Open browser and enter test url	https://www.shoppersstack.com/	Welcome page should be displayed	Welcome page displayed	PASS	
12	2 Click on login link	N/A	Login page should be dispalyed	Login page displayed	PASS	
13	Enter email-id and Password and 3 click on login button	Email-id: gauravzalavadiya123@gmail.com Password: Password@123	Home page should be dispalyed	Home page displayed	PASS	
14	Enter valid email-id and click on 4.1 login button	Email-id: gauravzalavadiya123@gmail.com Password: Password@123	Error message should not be displayed	No error message display.	PASS	
15	Enter only alphabets in email-id 4.2 text field and click on login button	ABCDEFGH	Error message should be displayed	Error message dispalyed	PASS	
16	Enter only numbers in email-id 4.3 text field and click on login button	123456789	Error message should be displayed	Error message displayed	PASS	
17	Enter '!' before '@' in email-id and 4.4 and click on login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should not be displayed	No error message display.	PASS	
18	Enter numbers and special character in between the email-id and click on 4.5 login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should not be displayed	No error message display.	PASS	
19	Enter invalid email-id and click 4.6 on login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be displayed	Error message displayed	PASS	
20	Enter valid email-id and give space at the beginning of the email-id and 4.7 click login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be displayed	Error message displayed	PASS	

A	B	C	D	E	F	G
20	4.7 at the beginning of the email-id and click login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be displayed	Error message displayed	PASS	
21	Enter valid email-id and give space at the end of the email-id 4.8 and click on login button.	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should not displayed	No error message display.	PASS	
22	Enter valid email-id and give space in between the email-id and click 4.9 login button	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be displayed	Error message displayed	PASS	
23	Empty the email-id text field and 4.10 click on login button.	N/A	Error message should be displayed	Error message displayed	PASS	
24	Enter email-id from right side of 4.11 of email-id text field	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be dispalyed	Error message diaplayed	PASS	
25	Enter valid email-id and enter dot . in between the email-id and click 4.12 login button.	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should not be displayed	No error message display.	PASS	
26	Enter valid password in password 5.1 text field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS	
27	Enter alphabets in password text 5.2 field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS	
28	Enter numbers in password text field 5.3 and click on login button	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS	
29	Enter Special characters in password 5.4 text field and click on login button	<a href="mailto:Password@124">Password@124</a>	Error message should not be displayed	No error message display.	PASS	

	A	B	C	D	E	F	G
29	5.4	text field and click on login button Enter only alphabets in password	Password@124 ABCDEFGH	Error message should not be displayed Error message should be displayed	No error message display. Error message displayed	PASS	
30	5.6	text field and click on login button Enter only numbers in password	123456789	Error message should be displayed	Error message displayed	PASS	
31	5.7	text field and click on login button Enter only special character in password text field and click on login button	*#@#!^&	Error message should be displayed	Error message displayed	PASS	
32	5.8	Enter first letter be uppercase in password text field and click on login button	Password@123	Error message should be displayed	Error message displayed	PASS	
33	5.9	Enter letters in smallcase except the first letter in password text field and click on login button	qiwu1	Error message should not be displayed	No error message display.	PASS	
34	5.10	Enter invalid password in password text field and click on login button	N/A	Error message should not be displayed	No error message display.	PASS	
35	5.11	Empty the password text field and click on login button.	Email: gauravzalavadiya123@gmail.com	Error message should be displayed	Error message displayed	PASS	
36	5.12	Enter valid email-id and valid password and click on login button	Password: Password@123	Error message shouldnot be displayed	No error message display.	PASS	
37	6.1	Enter valid email-id and invalid password and click on login button	Email: gauravzalavadiya123@gmail.com			PASS	
38	6.2	Enter valid email-id and invalid password and click on login button	Email: gauravzalavadiya123@gmail.com Password: 1@124	Error message should be displayed	Error message dispalyed	PASS	
39	6.3	Enter invalid email-id and valid password and click on login button	Email: gauravzalavadiya@gmail.com Password: 1@125	Error message should be displayed	Error message dispalyed	PASS	

	A	B	C	D	E	F	G
31	5.7	text field and click on login button Enter only special character in password text field and click on login button	123456789 *#@#!^&	Error message should be displayed Error message should be displayed	Error message displayed Error message displayed	PASS	
32	5.8	Enter first letter be uppercase in password text field and click on login button	Password@123	Error message should not be displayed	No error message display.	PASS	
33	5.9	Enter letters in smallcase except the first letter in password text field and click on login button	qiwu1	Error message should not be displayed	No error message display.	PASS	
34	5.10	Enter invalid password in password text field and click on login button	N/A	Error message should be displayed	Error message displayed	PASS	
35	5.11	Empty the password text field and click on login button.	Email: gauravzalavadiya123@gmail.com	Error message should be displayed	Error message displayed	PASS	
36	5.12	Enter valid email-id and valid password and click on login button	Password: Password@123	Error message shouldnot be displayed	No error message display.	PASS	
37	6.1	Enter valid email-id and invalid password and click on login button	Email: gauravzalavadiya123@gmail.com Password: 1@124	Error message should be displayed	Error message dispalyed	PASS	
38	6.2	Enter valid email-id and invalid password and click on login button	Email: gauravzalavadiya@gmail.com Password: 1@125	Error message should be displayed	Error message dispalyed	PASS	
39	6.3	Enter invalid email-id and valid password and click on login button				PASS	

## Registration page :

Step No.	Description	Input	Expected result	Actual result	Status	Comment
1	Open browser and enter test url	https://www.shoppersstack.com/	Welcome page should be displayed	Welcome page displayed	PASS	
2	Click on Create Account link	N/A	Registration page should be displayed	Registration page displayed	PASS	
3.1	Enter valid name and click on register button	Samir Kotharia	Error message should not be displayed	No error message displayed	PASS	
3.2	Enter only alphabets in name text field and click on register	Samir Kotharia	Error message should not be displayed	No error message displayed	PASS	
3.3	Enter only numbers in name text field and click on register	12345678	Error message should be displayed	Error message displayed	PASS	
3.4	Enter only Special characters in name text field and click on register	!##@!#\$%	Error message should be displayed	Error message displayed	PASS	
3.5	Empty the name text field and click on register button	N/A	Error message should be displayed	Error message displayed	PASS	
3.6	Enter space at the beginning of the name in name text field and click on register button	Samir	Error message should be displayed	Error message displayed	PASS	
3.7	Enter space in between the name in name text field and click on register button	Sam ir	Error message should be displayed	Error message displayed	PASS	
3.8	Enter space at the end of the name in name text field and click on register button	Samir	Error message should not be displayed	No error message displayed	PASS	
	Enter only smallcase letters in name text field and click on register button					

A	B	C	D	E	F	G
3.9	Enter only smallcase letters in name text field and click on register button	tanish	Error message should be displayed	Error message displayed	PASS	
3.10	Enter only Uppercase letters in name text field and click on register button	TANISH	Error message should be displayed	Error message displayed	PASS	
3.11	Enter both smallcase and uppercase letters in name text field and click on register button	samIR	Error message should not be displayed	No error message displayed	PASS	
3.12	Enter less than 3 letter in name text field and click on register button	Sa	Error message should be displayed	Error message displayed	PASS	
3.13	Enter more than 20 letter in name text field and click on register button	Samirkothariaaa	Error message should be displayed	Error message displayed	PASS	
3.14	Enter more than 4 letter in name text field and click on register button	Samir	Error message should not be displayed	No error message displayed	PASS	
3.15	Enter less than 20 letter in name text field and click on register button	Samir Kotharia	Error message should not be displayed	No error message displayed	PASS	
4.1	Enter valid last name and click on register button	Kot	Error message should not be displayed	No error message displayed	PASS	
4.2	Enter only alphabets in last name text field and click on register	KOT	Error message should not be displayed	No error message displayed	PASS	

4.3	Enter only numbers in last name text field and click on register button	12345678	Error message should be displayed	Error message displayed	PASS
4.4	Enter only Special characters in last name text field and click on register button	!##@!#%	Error message should be displayed	Error message displayed	PASS
4.5	Empty the last name text field and click on register button	N/A	Error message should be displayed	Error message displayed	PASS
4.6	Enter space at the beginning of the last name in last name text field and click on register button	Dey	Error message should be displayed	Error message displayed	PASS
4.7	Enter space in between the last name in last name text field and click on register button	K ot	Error message should be displayed	Error message displayed	PASS
4.8	Enter space at the end of the last name in last name text field and click on register button	Kot	Error message should not be displayed	No error message displayed	PASS
4.9	Enter only smallcase letters in last name text field and click on register button	dey	Error message should be displayed	Error message displayed	PASS
4.10	Enter only Uppercase letters in last name text field and click on register button	DEY	Error message should be displayed	Error message displayed	PASS
4.11	Enter both smallcase and uppercase letters in last name text field and click on register button	dEY	Error message should not be displayed	No error message displayed	PASS
4.12	Enter less than 3 letter in last name text field and click on register	De	Error message should be displayed	Error message displayed	PASS
4.13	Enter more than 20 letter in last name text field and click on register button	kothariasamirhussainzakirhussain	Error message should be displayed	Error message displayed	PASS
4.14	Enter more than 4 letter in last name text field and click on register button	Nath	Error message should not be displayed	No error message displayed	PASS
4.15	Enter less than 20 letter in last name text field and click on register button	kothariasamir	Error message should not be displayed	No error message displayed	PASS
5.1	Click on 'Male' in gender checkbox and click on register button	N/A	Error message should not be displayed	No error message displayed	PASS
5.2	Click on 'Female' in gender checkbox and click on register	N/A	Error message should not be displayed	No error message displayed	PASS
5.3	Click on 'Others' in gender checkbox and click on register button	N/A	Error message should not be displayed	No error message displayed	PASS
5.4	Select both 'Male' and 'Female' in gender checkbox and click on register button.	N/A	Error message should be displayed	Error message displayed	PASS
5.5	Select both 'Male' and 'Others' in gender checkbox and click on register button.	N/A	Error message should be displayed	Error message displayed	PASS
	Select both 'Others' and 'Female' in gender checkbox and click on				PASS

						Exit Full Screen
5.6	Select both 'Others' and 'Female' in gender checkbox and click on register button.	N/A	Error message should be displayed	Error message displayed	PASS	
6.1	Enter valid phone number and click on register button	8849485558	Error message should not be displayed	No error message display.	PASS	
6.2	number text field and click on register button	ABCDEFGH	Error message should be displayed	Error message dispalyed	PASS	
6.3	Enter only numbers in phone number	8849485558	Error message should not be displayed	No error message display.	PASS	
6.4	Enter country code phone number text field and click on register	+91 8849485558	Error message should not be displayed	No error message display.	PASS	
6.5	Enter only special character in phone number text field and click on register button	%^&*^#%#	Error message should be displayed	Error message displayed	PASS	
6.6	Enter invalid phone number and click	78365367	Error message should be displayed	Error message displayed	PASS	
6.7	Enter valid phone number and give space at the beginning of the phone number and click register button	8849485558	Error message should be displayed	Error message displayed	PASS	
6.8	space at the end of the phone number and click on register button.	9101699095_	Error message should not displayed	No error message display.	PASS	
6.9	Enter valid phone number and give space in between the phone number and click register button	9101 699095	Error message should be displayed	Error message displayed	PASS	
6.10	Empty the phone number text field and click on register button.	N/A	Error message should be displayed	Error message displayed	PASS	
6.11	Enter phone number from right side of phone number text field and click on register button	8849485558	Error message should be dispalyed	Error message diaplayed	PASS	
6.12	Enter 11 digit phone number in phone number text field and click on register button	98849485558	Error message should be dispalyed	Error message diaplayed	PASS	
6.13	Enter already registered phone number in phone number text field and click on register button	7060554838	Error message should be dispalyed	Error message diaplayed		
6.14	Enter 9 digit phone number in phone number text field and click on register button	884948555	Error message should be dispalyed	Error message diaplayed	PASS	
7.1	Enter valid confirm phone number and click on register button	8849485558	Error message should not be displayed	No error message display.	PASS	
7.2	Enter only alphabets in confirm phone number text field and click on register button	ABCDEFGH	Error message should be displayed	Error message dispalyed	PASS	
7.3	Enter only numbers in confirm phone number text field and click on register button	8849485558	Error message should not be displayed	No error message display.	PASS	
7.4	Enter country code confirm phone number text field and click on register button	+91 8849485558	Error message should be dispalyed	No error message display.	PASS	
7.5	Enter only special character in confirm phone number text field and click on register button	%^&*^#%#	Error message should be displayed	Error message displayed	PASS	
	Enter invalid confirm phone number and click				PASS	

7.5	Enter only special character in confirm phone number text field and click on register button	%^&*^#%#	Error message should be displayed	Error message displayed	PASS
7.6	Enter invalid confirm phone number and click on register button	88494855	Error message should be displayed	Error message displayed	PASS
7.7	Enter valid confirm phone number and give space at the beginning of the confirm phone number and click register button	8849485558	Error message should be displayed	Error message displayed	PASS
7.8	Enter valid confirm phone number and give space at the end of the confirm phone number and click on register button.	9101699095	Error message should not displayed	No error message display.	PASS
7.9	Enter valid confirm phone number and give space in between the confirm phone number and click register button	918849 485558	Error message should be displayed	Error message displayed	PASS
7.10	Empty the confirm phone number text field and click on register	N/A	Error message should be displayed	Error message displayed	PASS
7.11	Enter phone number from right side of confirm phone number text field and click on register button	8849485558	Error message should be dispalyed	Error message diaplayed	PASS
7.12	Enter 11 digit phone number in confirm phone number text field and click on register button	918849485558	Error message should be dispalyed	Error message diaplayed	PASS
	Enter 9 digit phone number in confirm phone number text field				PASS
7.14	number in confirm phone number text field and click on register button	8849485558	Error message should be dispalyed	Error message diaplayed	PASS
8.1	Enter valid email-id and click on login button	Email-id: gauravzalavadiya123@gmail.com	Error message should not be displayed	No error message display.	PASS
8.2	Enter only alphabets in email-id text field and click on login button	ABCDEFGHI	Error message should be displayed	Error message dispalyed	PASS
8.3	Enter only numbers in email-id text field and click on login button	123456789	Error message should be displayed	Error message displayed	PASS
8.4	Enter '!' before '@' in email-id and click on login button	gauravzalavadiya123@gmail.com	Error message should not be displayed	No error message display.	PASS
8.5	Enter numbers and special character in between the email-id and click on login button	gauravzalavadiya123@gmail.com	Error message should not be displayed	No error message display.	PASS
8.6	Enter invalid email-id and click on login button		Error message should be displayed	Error message displayed	PASS
8.7	Enter valid email-id and give space at the beginning of the email-id and click login button	gauravzalavadiya123@gmail.com	Error message should be displayed	Error message displayed	PASS
8.8	Enter valid email-id and give space at the end of the email-id and click on login button.	gauravzalavadiya123@gmail.com	Error message should not displayed	No error message display.	PASS
8.9	Enter valid email-id and give space in between the email-id and click login button	gauravzalavadiya123@gmail.com	Error message should be displayed	Error message displayed	PASS
8.10	Empty the email-id text field and click on login button.	N/A	Error message should be displayed	Error message displayed	PASS
	Enter email-id from right side of				PASS

8.11	Enter email-id from right side of email-id text field	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should be displayed	Error message displayed	PASS
8.12	Enter valid email-id and enter dot '.' in between the email-id and click login button.	<a href="mailto:gauravzalavadiya123@gmail.com">gauravzalavadiya123@gmail.com</a>	Error message should not be displayed	No error message display.	PASS
9.1	Enter valid password in password text field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
9.2	Enter alphabets in password text field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
9.3	Enter numbers in password text field and click on login button	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
9.4	Enter Special characters in password text field and click on login button	<a href="mailto:Password@124">Password@124</a>	Error message should not be displayed	No error message display.	PASS
9.5	Enter only alphabets in password text field and click on login button	ABCDEFGHI	Error message should be displayed	Error message displayed	PASS
9.6	Enter only numbers in password text field and click on login button	123456789	Error message should be displayed	Error message displayed	PASS
9.7	Enter only special character in password text field and click on login button	*#@#!^&	Error message should be displayed	Error message displayed	PASS
9.8	Enter only special character in password text field and click on login button	*#@#!^&	Error message should be displayed	Error message displayed	PASS
9.9	Enter first letter be uppercase in password text field and click on login button	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
	Enter letters in smallcase except the first letter in password text field and				PASS
9.11	Enter invalid password in password text field and click on login button	qiwu1	Error message should be displayed	Error message displayed	PASS
9.12	Empty the password text field and click on login button.	N/A	Error message should be displayed	Error message displayed	PASS
10.1	Enter valid Confirm password in Confirm password text field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
10.2	Enter alphabets in Confirm password text field and click on login button.	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
10.3	Enter numbers in Confirm password text field and click on login button	<a href="mailto:Password@123">Password@123</a>	Error message should not be displayed	No error message display.	PASS
10.4	Enter Special characters in Confirm password text field and click on login button	<a href="mailto:Password@124">Password@124</a>	Error message should not be displayed	No error message display.	PASS
10.5	Enter only alphabets in Confirm password text field and click on login button	ABCDEFGHI	Error message should be displayed	Error message displayed	PASS
10.6	Enter only numbers in Confirm password text field and click on login button	123456789	Error message should be displayed	Error message displayed	PASS
10.7	Enter only special character in Confirm password text field and click on login button	*#@#!^&	Error message should be displayed	Error message displayed	PASS
10.8	Enter only special character in Confirm password text field and click on login button	*#@#!^&	Error message should be displayed	Error message displayed	PASS
	Enter first letter be uppercase in				

					PASS	Exit Full Screen
10.5	Enter only alphabets in Confirm password text field and click on login button	ABCDEFGH	Error message should be displayed	Error message displayed	PASS	
10.6	Enter only numbers in Confirm password text field and click on login button	123456789	Error message should be displayed	Error message displayed	PASS	
10.7	Enter only special character in Confirm password text field and click on login button	*@#!^&	Error message should be displayed	Error message displayed	PASS	
10.8	Enter only special character in Confirm password text field and click on login button	*@#!^&	Error message should be displayed	Error message displayed	PASS	
10.9	Enter first letter be uppercase in Confirm password text field and click on login button	Password@123	Error message should not be displayed	No error message display.	PASS	
10.10	Enter letters in smallcase except the first letter in Confirm password text field and click on login button	Password@123	Error message should not be displayed	No error message display.	PASS	
10.11	Enter invalid Confirm password in Confirm password text field and click on login button	qiwu1	Error message should be displayed	Error message displayed	PASS	
10.12	Empty the Confirm password text field and click on login button.	N/A	Error message should be displayed	Error message displayed	PASS	
11.1	Enter valid credentials and click on register button	N/A	Error message shouldnot be displayed	No error message display.	PASS	
11.2	Enter invalid credentials and click on register button	N/A	Error message should be displayed	Error message dispalyed	PASS	

## Main menu :

Step No.	Description	Input	Expected result	Actual result	Status	Comments
1	Open browser and enter test url	https://www.shoppersstack.com/	Welcome page should be displayed	Welcome page displayed	PASS	
2	Click on login link	N/A	Login page should be dispalyed	Login page displayed	PASS	
3	and click on login button	gauravzalavadiya123@gmail.com Password: Password@123	Home page should be dispalyed	Home page displayed	PASS	
4.1	Click on search bar and search for any item	Tshirt	Tshirt' category list page should be displayed	Category list page dispalyed	PASS	
4.2	Click on search bar	N/A	Suggestion should be displayed	Suggestion displayed	PASS	
4.3	Click on search bar	N/A	Cursor should starts from left side	Cursor starts from left side	PASS	
5.1	Click on add to cart	N/A	Add to cart page should be displayed	Add to cart page displayed	PASS	
5.2	Click on add to cart	N/A	Add to cart icon should show the number of added items	Add to cart icon displayed the numbers of item that are added	PASS	

## Footer Section :

Step No.	Description	Input	Expected result	Actual result	Exit Full Screen
1	Open browser and enter test url	https://www.shoppersstack.com/	Welcome page should be displayed	Welcome page displayed	PASS
2	Click on login link	N/A	Login page should be dispalyed	Login page displayed	PASS
3	Enter email-id and Password and click on login button	Email-id: tanishdey22@gmail.com Password: Password@123	Home page should be dispalyed	Home page displayed	PASS
4	Scroll down	N/A	Footer section should be displayed	Footer section displayed	PASS
5.1	Click on 'Contact us' in about section	N/A	Contact us page should be dispalyed	Contact us page didn't display	FAIL
5.2	Click on 'About us' in about section	N/A	About us page should be displayed	About us page didn't display	FAIL
5.3	Click on 'Carrers' in about section	N/A	Carrers page should be displayed	Carrers page didn't display	FAIL
5.4	Click on 'Shopperstack stories' in about section	N/A	Shopperstack stories page should be displayed	Shopperstack stories page didn't display	FAIL
5.5	Click on 'Press' in about section	N/A	Press page should be displayed	Press page didn't display	FAIL
5.6	Click on 'Shopperstack Wholesale' in about section	N/A	Shopperstack Wholesale page should be displayed	Shopperstack Wholesale page didn't display	FAIL
5.7	Click on 'Corporate information' in about section	N/A	Corporate information page should be displayed	Corporate information page didn't display	FAIL
6.1	Click on 'payments' in help section	N/A	Payment page should be dispalyed	Payment page didn't display	FAIL
6.2	Click on 'shipping' in help section	N/A	Shipping page should be displayed	Shipping page didn't display	FAIL
6.3	Click on 'Cancellation & Returns' in help section	N/A	Cancellation & Returns page should be displayed	Cancellation & Returns page didn't display	FAIL
6.4	Click on 'FAQ' in help section	N/A	FAQ page should be displayed	FAQ page didn't display	FAIL
6.5	Click on 'Report Infringement' in help section	N/A	Report Infringement page should be displayed	Report Infringement page didn't display	FAIL
7.1	Click on 'Return Policy' in policy section	N/A	Return policy page should be displayed	Return policy page didn't display	FAIL
7.2	Click on 'Terms of use' in policy section	N/A	Terms of use page should be displayed	Terms of use page didn't display	FAIL
7.3	Click on 'Security' in policy section	N/A	Security page should be displayed	Security page didn't display	FAIL
7.4	Click on 'Privacy' in policy section	N/A	Privacy page should be displayed	Privacy page didn't display	FAIL
7.5	Click on 'sitemap' in policy section	N/A	Sitemap page should be displayed	Sitemap page didn't display	FAIL
7.6	Click on 'EPR Compliance' in policy section	N/A	EPR Compliance page should be displayed	EPR Compliance page didn't display	FAIL
8.1	Click on 'facebook' in Social section	N/A	Facebook welcome page should be displayed	Facebook page didn't display	FAIL
			Twitter welcome page should be		FAIL

				Exit Full Screen
6.2	Click on 'shipping' in help section	N/A	Shipping page should be displayed	Shipping page didn't display
6.3	Click on 'Cancellation & Returns' in help section	N/A	Cancellation & Returns page should be displayed	Cancellation & Returns page didn't display
6.4	Click on 'FAQ' in help section	N/A	FAQ page should be displayed	FAQ page didn't display
6.5	Click on 'Report Infringement' in help section	N/A	Report Infringement page should be displayed	Report Infringement page didn't display
7.1	Click on 'Return Policy' in policy section	N/A	Return policy page should be displayed	Return policy page didn't display
7.2	Click on 'Terms of use' in policy section	N/A	Terms of use page should be displayed	Terms of use page didn't display
7.3	Click on 'Security' in policy section	N/A	Security page should be displayed	Security page didn't display
7.4	Click on 'Privacy' in policy section	N/A	Privacy page should be displayed	Privacy page didn't display
7.5	Click on 'sitemap' in policy section	N/A	Sitemap page should be displayed	Sitemap page didn't display
7.6	Click on 'EPR Compliance' in policy section	N/A	EPR Compliance page should be displayed	EPR Compliance page didn't display
8.1	Click on 'facebook' in Social section	N/A	Facebook welcome page should be displayed	Facebook page didn't display
8.2	Click on 'twitter' in Social section	N/A	Twitter welcome page should be displayed	Twitter page didn't display
8.3	Click on 'youtube' in Social section	N/A	Youtube welcome page should be displayed	Youtube page didn't display

## AI AUTOMATION SCRIPTING

We use Firelink for AI automation scripting.

Firelink Platform, a high-speed test automation platform, is the future of agile software testing.

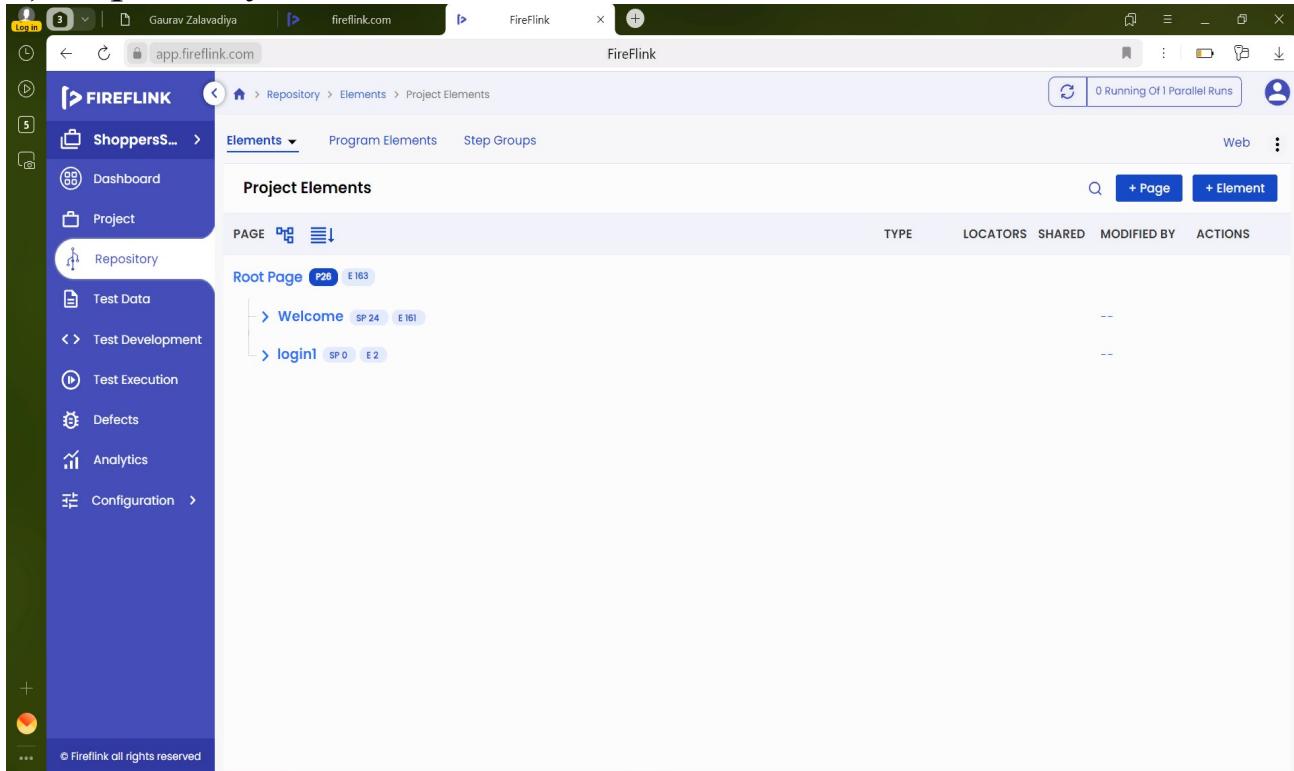
It is a revolutionary advancement in the testing industry because it is a script less, end-to-end test automation platform for Web, Android, iOS, and API tests.

Firelink is an automation AI Scripting tool for testing a particular web application or software according to customer requirement specification.

There are main basis of repository, test development and test execution in Firelink scripting tool.

There are main 2 component in Firelink :

1) Repository:



The screenshot shows the Firelink Platform interface. The left sidebar has a dark blue background with white icons and text. It includes links for 'Dashboard', 'Project', 'Repository' (which is highlighted in orange), 'Test Data', 'Test Development', 'Test Execution', 'Defects', 'Analytics', and 'Configuration'. At the bottom of the sidebar is a footer with the text '© Firelink all rights reserved'. The main content area has a light gray background. At the top, there's a header bar with the Firelink logo and some status indicators. Below the header, the breadcrumb navigation shows 'Repository > Elements > Project Elements'. The main content area is titled 'Project Elements' and contains a table with one row. The row is for 'Root Page' (P26, E163). It has two child items: 'Welcome' (SP 24, E 161) and 'login' (SP 0, E 2). To the right of the table are filters for 'TYPE', 'LOCATORS', 'SHARED', 'MODIFIED BY', and 'ACTIONS', along with search and add buttons ('+ Page' and '+ Element').

The screenshot shows the FireLink application interface. The left sidebar has a dark blue background with white icons and text. It includes sections for Log in, ShoppersStack (selected), Dashboard, Project, Repository, Test Data, Test Development, Test Execution, Defects, Analytics, and Configuration. Below these are icons for creating new items and a copyright notice: "Firelink all rights reserved". The main content area has a light gray header with the title "Project Elements". Under "Root Page" (P28 E163), there is a tree view of elements:

- Welcome (SP 24 E 161)
  - Login (SP 23 E 156)
    - Welcome to ShoppersStack. Enjoy shopping with us.
    - Login
    - Men
    - Women
    - Kids
    - Electronic
    - Beauty
  - login1 (SP 0 E 2)

Below the tree view is a table with columns: TYPE, LOCATORS, SHARED, MODIFIED BY, and ACTIONS. The table lists the elements from the tree view, showing their type (Text, Button, Link), locators (e.g., 3, 5), shared status (e.g., off, on), modified by (Vishnu P...), and actions (edit, delete, more).

This screenshot shows the same FireLink interface after modifications. The left sidebar remains the same. The main content area shows the same "Project Elements" view for the "Root Page" (P28 E163). However, the tree view under "Welcome" has been changed:

- Welcome (SP 24 E 161)
  - Login (SP 23 E 156)
    - Shopper Login (SP 1 E 22)
    - Merchant Login (SP 1 E 7) [+](#)
    - Admin Login (SP 1 E 27)
    - Home (SP 16 E 100)
  - Welcome to ShoppersStack. Enjoy shopping with us.
  - Login
  - Men
  - Women
  - Kids
  - Electronic

The "Merchant Login" element under "Login" has a plus sign icon next to it, indicating it can be expanded or edited. The rest of the table and interface are identical to the first screenshot.

The screenshot shows the FireLink interface for the 'ShoppersStack' project. The left sidebar includes links for Log in, Dashboard, Project, Repository, Test Data, Test Development, Test Execution, Defects, Analytics, Configuration, and Help. The main area displays the 'Project Elements' section with a search bar and buttons for '+ Page' and '+ Element'. A table lists elements under 'Root Page' (P28 E163). The table columns are TYPE, LOCATORS, SHARED, MODIFIED BY, and ACTIONS. Elements listed include Merchant Login (with Merchant Signup, Merchant Login, Email, Password, Login, Forgot Password?, and Create Account), Admin Login, and Home. A note at the bottom states 'Welcome to ShoppersStack. Enjoy shopping with us.' modified by Vishnu P...

This screenshot is identical to the one above, showing the FireLink interface for the 'ShoppersStack' project. It displays the same tree view of project elements under 'Root Page' (P28 E163), the same table structure with columns for TYPE, LOCATORS, SHARED, MODIFIED BY, and ACTIONS, and the same note at the bottom: 'Welcome to ShoppersStack. Enjoy shopping with us.' modified by Vishnu P...

Screenshot of the FireLink application interface showing the Project Elements page for the "ShoppersStack" project.

The left sidebar shows the navigation menu with the following items:

- Log in
- Dashboard
- Project
- Repository
- Test Data
- Test Development
- Test Execution
- Defects
- Analytics
- Configuration
- ...

The main content area displays the "Project Elements" table:

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
<b>Root Page</b> P26 E163					
Create Account	Button	3	<input checked="" type="checkbox"/>	--	
Admin Login SP1 E27					
Admin signup SP0 E20	Button	2	<input checked="" type="checkbox"/>	Vishnu P...	
Admin Login	Text	2	<input checked="" type="checkbox"/>	--	
Email	Textfield	5	<input checked="" type="checkbox"/>	--	
Password	Textfield	5	<input checked="" type="checkbox"/>	--	
Login	Button	3	<input checked="" type="checkbox"/>	--	
Forgot Password?	Link	4	<input checked="" type="checkbox"/>	--	
Create Account	Button	3	<input checked="" type="checkbox"/>	--	
Home SP16 E100	Text	3	<input checked="" type="checkbox"/>	Vishnu P...	
Welcome to ShoppersStack. Enjoy shopping with us.					

Screenshot of the FireLink application interface showing the Project Elements page for the "ShoppersStack" project.

The left sidebar shows the navigation menu with the following items:

- Log in
- Dashboard
- Project
- Repository
- Test Data
- Test Development
- Test Execution
- Defects
- Analytics
- Configuration
- ...

The main content area displays the "Project Elements" table:

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
<b>Root Page</b> P26 E163					
Create Account	Button	3	<input checked="" type="checkbox"/>	--	
Home SP16 E100					
Cart SP3 E23					
MEN SP1 E12					
Beauty SP0 E3					
Search Product SP0 E2					
PLP SP0 E0					
PDP SP0 E2					
My Orders SP0 E12					
Account Settings SP3 E27					
Wishlist SP0 E5					
Home	Link	2	<input checked="" type="checkbox"/>	--	

Screenshot of FireLink Project Elements page for ShoppersSmart project.

The page shows the following structure:

- Root Page** (P26 E163):
  - Levis Mens Regular Fit Tee (Text)
  - Logout (Button)
  - add to cart (Button)
  - Men Product (Text)
- Beauty** (SP 0 E 3):
  - Beauty (Link)
  - Lipstick (Link)
  - Lakme Forever Matte Lipstick (Link)
- Search Product** (SP 0 E 2):
- PLP** (SP 0 E 0):
- PDP** (SP 0 E 2):
- My Orders** (SP 0 E 12):
- Account Settings** (SP 3 E 27):

Actions column includes icons for edit, delete, and more.

Screenshot of FireLink Project Elements page for ShoppersSmart project.

The page shows the following structure:

- Root Page** (P26 E163):
  - Address** (SP 2 E 12):
    - Remove from cart (Button)
    - Yes (Button)
    - Buy Now (Button)
    - cart** (Link):
      - levis (Text)
      - decrease (Icon)
      - increase (Icon)
      - Continue Shopping (Button)
      - Qty:2 (Text)
      - Remove Product (Text)
      - Your cart is empty! (Text)

**Project Elements**

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
Root Page P26 E163	My Orders	SP 0 E 12			
	Cancel icon				
	My Orders				
	My Orders				
	PLACED				
	Invoice				
	Track Order				
	Cancel Order				
	Cancel Order				
	Cancel				
	Yes				
	close				
	order has been cancelled				
	Toaster				

**Project Elements**

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
Root Page P26 E163	Levis Mens Regular Fit Tee				
	Logout				
	add to cart			Vishnu P...	
	Men Product				
	Beauty SP 0 E 3				
	Beauty				
	Lipstick				
	Lakme Forever Matte Lipstick				
	Search Product SP 0 E 2				
	PLP SP 0 E 0				
	PDP SP 0 E 2				
	My Orders SP 0 E 12				
	Account Settings SP 3 E 27				

The screenshot displays two separate views of the Firelink Project Elements interface, likely from different browser tabs or windows.

**Top View (Left Tab):**

- Project Elements:** Root Page (P26 E163)
- Elements:** My Orders (SP 0 E 12)

  - Cancel icon
  - My Orders
  - My Orders
  - PLACED
  - Invoice
  - Track Order
  - Cancel Order
  - Cancel Order
  - Cancel
  - Yes
  - close
  - order has been cancelled

**Bottom View (Right Tab):**

- Project Elements:** Root Page (P26 E163)
- Elements:** Cancel (SP 0 E 12)

  - Cancel
  - Yes
  - close
  - order has been cancelled

**Common Interface Elements:**

- Left Sidebar:** FIRELINK, ShoppersS..., Dashboard, Project, Repository, Test Data, Test Development, Test Execution, Defects, Analytics, Configuration.
- Header:** Gaurav Zalavadiya, firelink.com, FireLink, 0 Running Of 1 Parallel Runs.
- Search:** + Page, + Element.
- Actions:** Edit, Delete, More.

The screenshot shows the Firelink Project Elements interface. The left sidebar includes links for Log in, ShoppersS..., Dashboard, Project, Repository, Test Data, Test Development, Test Execution, Defects, Analytics, Configuration, and Firelink all rights reserved. The main area displays a tree view of project elements under the Root Page. A successful message 'successfully added' is highlighted in a blue box. The table below lists the elements:

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
Root Page	Page	E 163			
__ My Likes	Button	1	Off	--	
__ Edit Profile	Button	1	Off	--	
__ My Addresses	Link	SP 0 E 8	On	--	
__ my addresses	Link	2	On	--	
__ Add Address	Button	1	On	--	
__ edit	Button	2	On	--	
__ delete	Button	2	On	--	
__ successfully added	Toaster	3	On	--	
__ cancel	Button	1	On	--	
__ Yes	Button	1	On	--	
__ Remove Address	Text	1	On	--	
__ Addressform	Page	SP 0 E 13			

The screenshot shows the Firelink Project Elements interface. The left sidebar includes links for Log in, ShoppersS..., Dashboard, Project, Repository, Test Data, Test Development, Test Execution, Defects, Analytics, Configuration, and Firelink all rights reserved. The main area displays a tree view of project elements under the Root Page. A success message 'order has been cancelled' is highlighted in a blue box. The table below lists the elements:

PAGE	TYPE	LOCATORS	SHARED	MODIFIED BY	ACTIONS
Root Page	Page	P 26 E 163			
__ close	Button	1	Off	--	
__ order has been cancelled	Toaster	1	On	--	
__ Account Settings	Link	SP 3 E 27	On	--	
__ My Profile	Link	SP 0 E 6	On	--	
__ My Profile	Link	2	Off	--	
__ My Addresses	Link	4	Off	--	
__ My Wallet	Link	1	Off	--	
__ My Likes	Link	1	Off	--	
__ Edit Profile	Link	1	Off	--	
__ My Addresses	Page	SP 0 E 8			
__ Addressform	Page	SP 0 E 13			

## 2) Test Development :

The screenshot shows the Firelink Test Automation Platform interface. The left sidebar has a blue navigation bar with icons for Dashboard, Project, Repository, Test Data, Test Development (selected), Test Execution, Defects, Analytics, and Configuration. The main content area displays a test run titled "CM001\_Verify User Is Able To Add Product To Cart Successfully". The status is "Failed". The table below lists the automation steps:

DESCRIPTION	RESULT	STATUS	ACTIONS
Steps ▾ 1 / 9 Failed 5 / 9 Skipped 3 / 9 Passed	One or more steps are failed	Failed	
1. Navigate to Home Page - Step Group	Navigate to Home Page is passed	Passed	
2. Click on Men link	Clicked on Men link in Home page	Passed	
3. Move mouse pointer on add to cart button	Moved mouse pointer on add to cart button i...	Passed	
4. Click on Levi's Mens Regular Fit Tee text	Failed to click on Levi's Mens Regular Fit Tee te...	Failed	↻
5. Verify if Product Description link is displayed	Verify if Product Description link is displayed	Skipped	
6. Click on add to cart button	Click on add to cart button	Skipped	
7. Verify if added button is displayed	Verify if added button is displayed	Skipped	
8. Shopper Logout - Step Group	Shopper Logout is failed	Skipped	
9. Close Browser - Step Group	CloseBrowser is failed	Skipped	

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

## **FUTURE ENHANCEMENT**

When considering future enhancements for an Shopperstack in testing, it's essential to focus on improving user experience, increasing efficiency, and staying ahead of emerging trends. Here are some potential areas for future enhancement:

- 1) Personalization and Recommendation Engines
- 2) Augmented Reality (AR) and Virtual Try-On
- 3) Voice Commerce
- 4) Social Commerce Integration
- 5) Subscription Services
- 6) Dynamic Pricing and Offers
- 7) Mobile Wallet Integration
- 8) Progressive Web Applications (PWAs)
- 9) Chat bots and Virtual Assistants
- 10) Block chain Technology
- 11) Voice Commerce
- 12) Social Commerce Integration
- 13) Subscription Services
- 14) Dynamic Pricing and Offers
- 15) Augmented Reality (AR) and Virtual Try-On