

**SMART FASHION RECOMMENDER APPLICATION WITH  
CHATBOT**



**A MINI-PROJECT REPORT**

*Submitted by*

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**BONAFIDE CERTIFICATE**

Certified that this mini project report “**SMART FASHION RECOMMENDER APPLICATION WITH CHATBOT**” is the bonafide work of “**JOTHIPRASATH M (AC19UCS043), NITHISH R(AC18UCS071), GANESH KUMAR M(AC18UCS029) HARSHA VARDHAN S(AC19UCS035)**” who carried out the project under my supervision.

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## ABSTRACT

In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. Image-based fashion recommendation systems (FRSs) have attracted a huge amount of attention from fast fashion retailers as they provide a personalized shopping experience to consumers. With technological advancements, this branch of artificial intelligence exhibits a tremendous amount of potential in image processing, parsing, classification, and segmentation. Despite its huge potential, the number of academic articles on this topic is limited. The available studies do not provide a rigorous review of fashion recommendation systems and the corresponding filtering techniques. To the best of the authors' knowledge, this is the first scholarly article to review the state-of-the-art fashion recommendation systems and the corresponding filtering techniques. In addition, this review also explores various potential models that could be implemented to develop fashion recommendation systems in the future. This paper will help researchers, academics, and practitioners who are interested in machine learning, computer vision, and fashion retailing to understand the characteristics of the different fashion recommendation systems.

# CHAPTER 1

## INTRODUCTION

### 1.1 Project Overview

Humans are inevitably drawn toward something that is visually more attractive. This tendency of humans has led to the development of the fashion industry over time. With the introduction of recommender systems in multiple domains, retail industries are coming forward with investments in the latest technology to improve their business. Fashion has been in existence for centuries and will be prevalent in the coming days as well. Women are more correlated with fashion and style, and they have a larger product base to deal with making it difficult to take decisions. It has become an important aspect of life for modern families since a person is more often than not judged based on his attire. Moreover, apparel providers need their customers to explore their entire product line so they can choose what they like the most which are not possible by simply going into a cloth store

Analytics is important to every business as they dissect sales into meaningful variables. Customer segmentation is a key aspect of the personalization of the product. How the customer interacts with offers, discounts, new product launches, pricing, coupons, trend, and season plays a huge role in segmentation. Here consumers are grouped based on preferences and likes. Products can also be grouped and mapped based on consumer behavior thanks to the vectorization of words

Chatbots are great at communicating with consumers at scale. They redirect consumers to appropriate locations to solve their queries. A sales bot converts a potential customer into a sale by patronizing the customers. They provide a customized solution to end consumers from previous sales analytics.

By coupling product recommenders with Chatbots, customers can get a personalized response, they can also aid data collection that can be deployed in the analysis of consumer behavior, chats can be used to analyze the sentiment, collect customer feedback on the product.

## **1.2 PROPOSE**

This is an e-commerce website project, the backend was written by Flask (Python) and the frontend used Bootstrap. In addition to an easy-to-use and robust web interface, we also integrated some AI technologies to make the project unique. For example, there is a recommendation system to provide useful feedback on what a user might potentially want to buy, based on their previous choices. A chatbot is also available to provide a sense of personalized shopping and seamless service.



## **CHAPTER 2**

### **LITERATURE SURVEY**

#### **2.1 Existing problem**

In shopping apps navigating to the desired product is very difficult and no proper assistance will be provided.

- Which you can directly do your online shopping based on your choice without any search.
- Instead of navigating to several screens for booking products online the user can directly talk to Chatbot regarding the products.

#### **2.2 References**

Cristiana Stan et al. Creating an outfit is a problem based on the preferences of each person and it can be difficult even for the best experts. This paper presents an automation system that can recommend a full outfit based on fashion recommendations. there are two convolutional neural networks based on the AlexNet model that is used to identify cloth items and attributes associated with each item they are continuously updated to obtain a recommendation that is more suitable for each user

WEIQIAN LI et al [1]. Nowadays rapid growth of fashion e-commerce, fashion recommendation has become a main digital marketing tool built for customer reviews, ratings, and feedback. online feedback and review is a powerful source and this is useful for enhancing the product of fashion recommendations for future purchases. the effectiveness in customer rating predictions as compared red several states of fashion recommenders.

Hindawi et al. Nowadays people are higher shopping attractive and increased demand for garments. People are facing too many garments and consumers need to try them on repeatedly, thus fashion evaluation methods based on appearance in the paper and the experimental results show that consumer's fashion level can be accurately described basic on the index of appearance of the approach higher level application value for the fashion recommendation system.

Tariq Hussain et al. In recent days larger amount of information and rules of the internet service, phenomenon leads to extremely low utilization of information also known as the information overload problem, such the images are used to traditionally & keywords, any picture object can be represented by its specific color, shape and texture, this experimental model shows and achieve better than the ones of the previous techniques

Pankaj Agarwal et al. In the fashion e-commerce platforms, there are many components to use the platform for the user. Product discovery is one of the key components of the user's good experience and also collaborative filtering-based approach is popular now a day's, it is for recommending non-personalizing the product and also for q

Pengpeng Zhao et al. Online shopping is now a well-developed platform to purchase a product. For fashion recommendations using the image is getting more attention now a day's, so the visual and textual jointly enhanced interpretable(VTJEI) model is used for these product recommendations based on the image and review

Victoria Oguntosin et al. Chatbots are used in many fields, for the e-commerce chatbot we aim at developing a web-based chatbot called Covenant university community mall(CUSM). The e-commerce chatbot application for CUSM seeks to provide an easy, smart and comfortable shopping experience

Vitaliy Husak et al. the work is devoted to the development of creating a list of recommendations for the style of clothing. It provides practical use of chatbots as virtual assistants involve natural language processing, so that will helps to archive a high level of natural language recognition that the communication is connected

Yashar Deldjoo et al. The recommender systems help users navigate the collection of products to find the items and followed or ignored webpage visits to determine, Due to Market dynamics and customer preferences this is the challenge the usage of traditional recommender syste

Neera Sanjay Agashe et al. Data has no research and they include e-commerce and the system has significance. It is one of the large scales of makes a scope and domains and improves the semantic analysis of provider outputs and tools, websites, etc. If the analysis is taking a minimal use

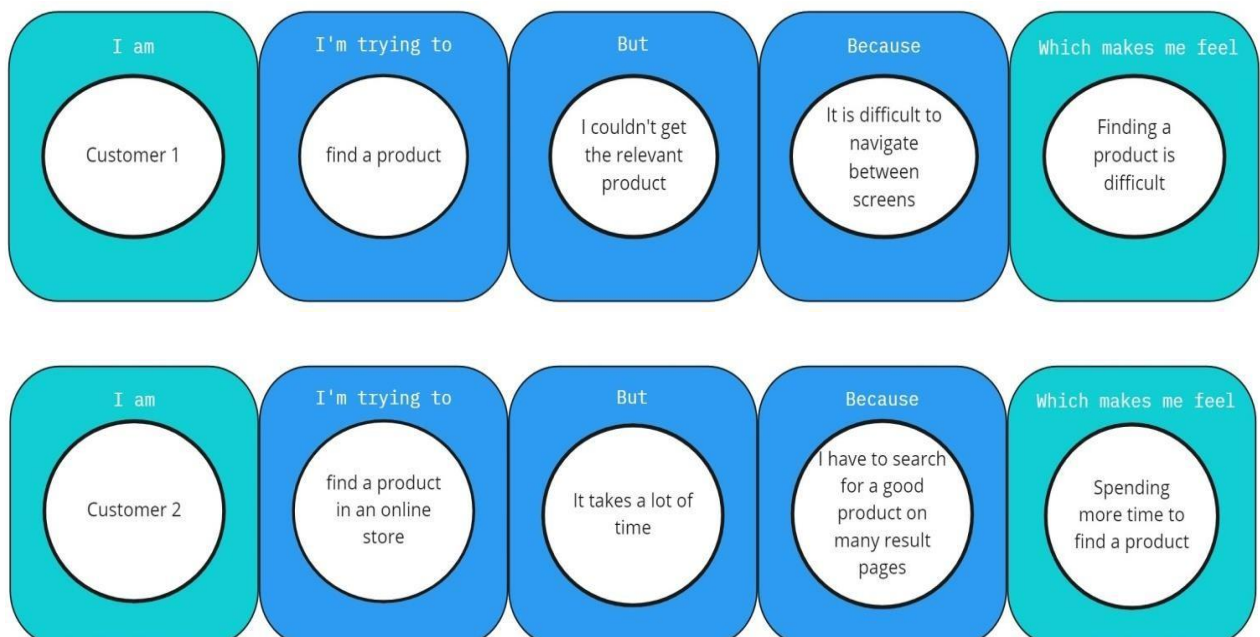
## 2.3 PROBLEM STATEMENT DEFINITION

### Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

### Example:



<b>Problem Statement (PS)</b>	<b>I am (Customer)</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
PS-1	Customer 1	find a product	I couldn't get the relevant product	It is difficult to navigate between screens	Finding a product is difficult
PS-2	Customer 2	find a product in an online store	It takes a lot of time	I have to search for a good product on many result pages	Spending more time to find a product

## CHAPTER 3

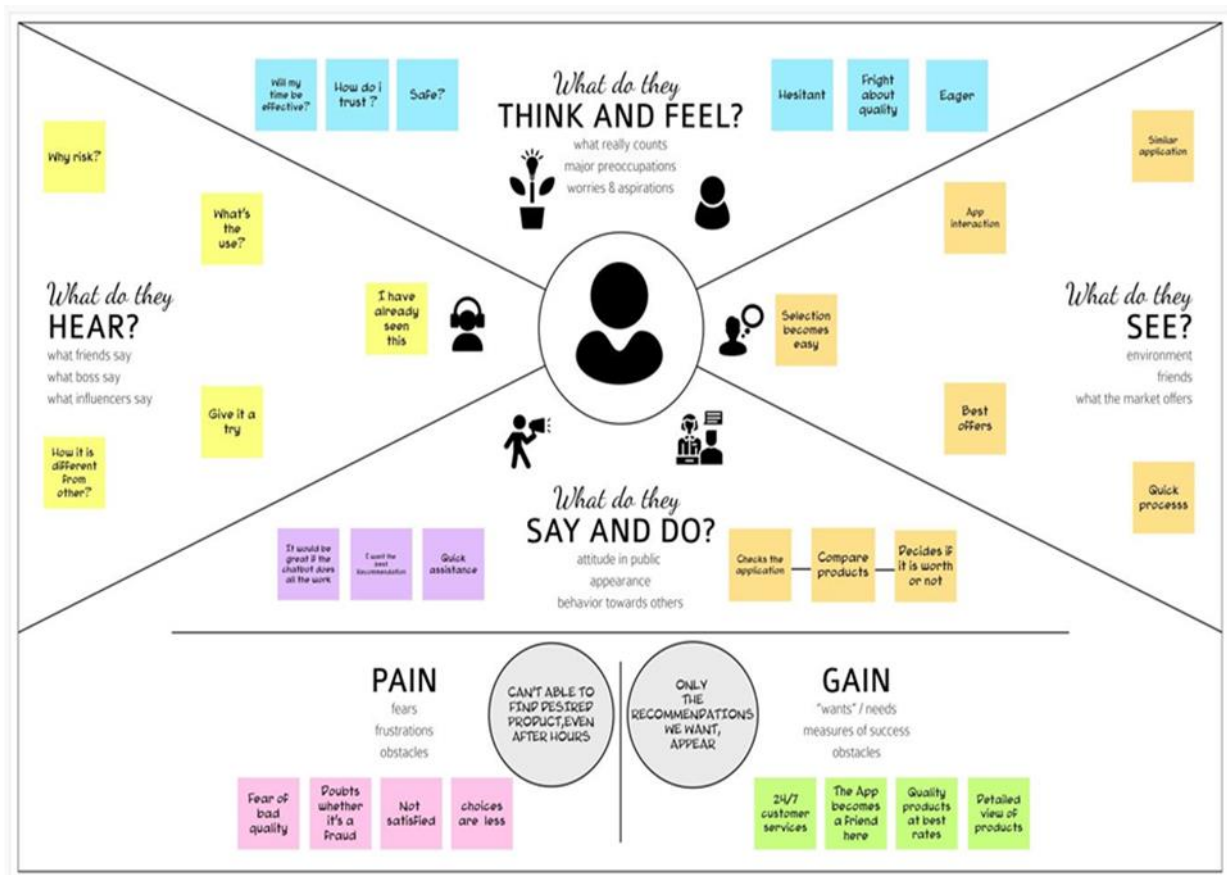
### IDEATION & PROPOSED SOLUTION

#### 3.1 Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviors and attitudes.

It is a useful tool to help teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.




## 3.2 Ideation & Brainstorming:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

### Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template




## Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 10 minutes to prepare  
🕒 1 hour to collaborate  
👤 2-8 people recommended

[Share template feedback](#)



### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

---

A

**Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.


B

**Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

C

**Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →



### 1 Define your problem statement


What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

---

PROBLEM

John is a fashion designer, who needs an efficient way to choose his fashion products.



#### Key rules of brainstorming

To run a smooth and productive session

🗣️ Stay in topic.


💡 Encourage wild ideas.

👂 Defer judgment.

👂 Listen to others.

🗣️ Go for volume.

👁️ If possible, be visual.



### Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) →



## Step-2: Brainstorm, Idea Listing and Grouping

### 2 Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

**Jothiprasath M**

**Ganesh kumar M**

**Harshavardhan S**

**Nithish R**

### 3 Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

**Online shopping**

**Direct dealing**

**Teleshopping**

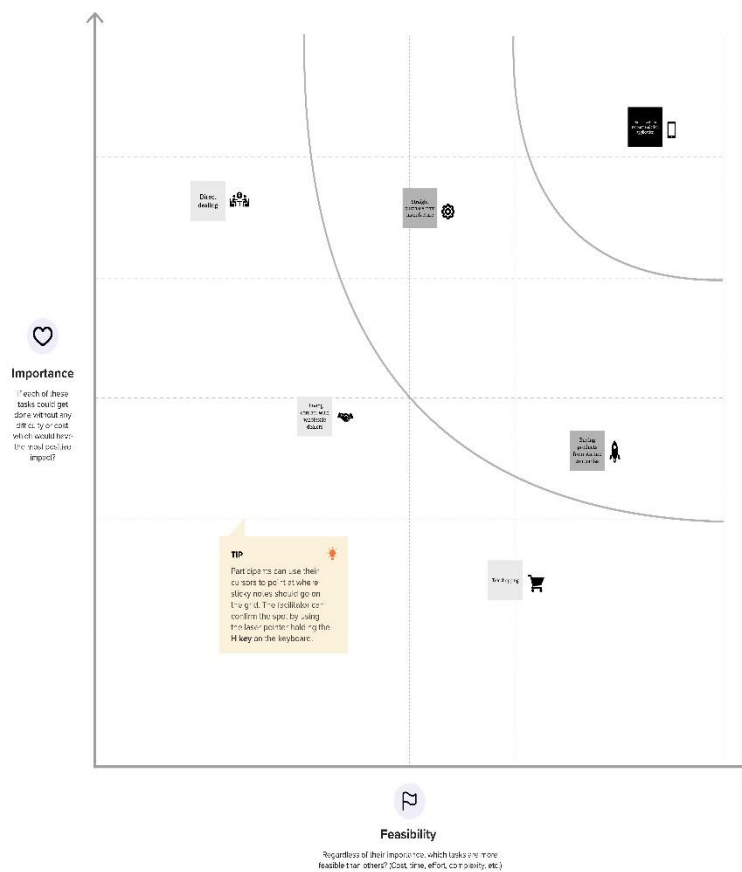
## Step-3: Idea Prioritization

4

### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⌚ 20 minutes



→

### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

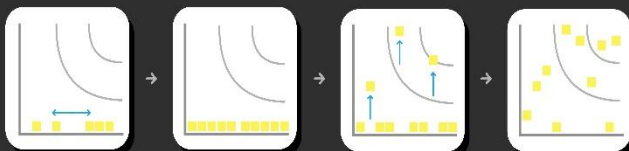
### Quick add-ons

- A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

[Share template feedback](#)



### 3.3 Proposed Solution:

#### Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	<b>Problem Statement (Problem to be solved)</b>	Instead of navigating to several screens for booking products online, the user can directly talk to Chatbot regarding the products.
2.	<b>Idea / Solution description</b>	The user needs to create an account. The user mandatorily has to select a product and has to answer the following questions. The results will be displayed once validated.
3.	<b>Novelty / Uniqueness</b>	If the user finds the right product, then with the help of the chatbot, the user can order the product. The user can also raise queries using the chatbot.
4.	<b>Social Impact / Customer Satisfaction</b>	Our system can recommend products that are suitable and can also save a lot of time.
5.	<b>Business Model (Revenue Model)</b>	Conversion of lead to the customer through better experience and feasibility
6.	<b>Scalability of the Solution</b>	We can sell this application to e-commerce websites or integrate it into individual business sites.

### 3.4 Problem Solution fit:

**Problem–Solution Fit Template:** The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

#### **Purpose:**

- Solve complex problems in a way that fits the state of your customers.
- Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- Sharpen your communication and marketing strategy with the right triggers and messaging.
- Increase touch-points with your company by finding the right problem behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- Understand the existing situation in order to improve it for your target group.

## Problem-Solution fit canvas 2.0

Purpose / Vision

<p><b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span></p> <p><b>Define CS, fit into CC</b></p> <ul style="list-style-type: none"> <li>• People who are looking for right product in online</li> <li>• Sellers or manufacturers who are selling their products online</li> </ul>	<p><b>6. CUSTOMER</b> <span>CC</span></p> <ul style="list-style-type: none"> <li>• Inappropriate product recommendation on various site's in online</li> </ul>	<p><b>5. AVAILABLE SOLUTIONS</b> <span>AS</span></p> <ul style="list-style-type: none"> <li>• Daily alerts</li> <li>• Finding best watch on preferences and requirements</li> </ul> <p><b>Explore AS, differentiate</b></p>
<p><b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span></p> <p><b>Focus on J&amp;P, tap into BE, understand RC</b></p> <ul style="list-style-type: none"> <li>• Customer's/Buyer's facing difficulties in finding the suitable product that fits their requirements</li> <li>• Time consuming</li> </ul>	<p><b>9. PROBLEM ROOT CAUSE</b> <span>RC</span></p> <ul style="list-style-type: none"> <li>• Mismatch product recommendation</li> <li>• Fake sellers</li> </ul>	<p><b>7. BEHAVIOUR</b> <span>BE</span></p> <ul style="list-style-type: none"> <li>• When inappropriate is displayed as result the customer get's irritated</li> </ul> <p><b>Focus on J&amp;P, tap into BE, understand</b></p>
<p><b>3. TRIGGERS</b> <span>TR</span></p> <ul style="list-style-type: none"> <li>• Chatbot that helps in fashion recommendation buying product based on their requirement</li> </ul> <hr/> <p><b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span></p> <p>Before:</p> <ul style="list-style-type: none"> <li>• Untrustworthy</li> </ul> <p>After:</p> <ul style="list-style-type: none"> <li>• Pleasant mindset</li> <li>• Quite relief</li> </ul> <p><b>Identify strong TR &amp; EM</b></p>	<p><b>10. YOUR SOLUTION</b> <span>SL</span></p> <ul style="list-style-type: none"> <li>• Daily alerts</li> <li>• Displaying relevant products based on customer preferences</li> <li>• An alert is sent when there is a match. Product recommendation from seller's. Notification &amp; alerts or sent</li> </ul>	<p><b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span></p> <p>ONLINE:</p> <ul style="list-style-type: none"> <li>• Matching products based on user requirements</li> <li>• Placing order</li> <li>• Payment</li> </ul> <p>OFFLINE:</p> <ul style="list-style-type: none"> <li>• Product delivery</li> </ul> <p><b>Extract online &amp; offline CH of BE</b></p>



Problem-Solution fit canvas is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 license Created by Daria Neprikhina / Amaltama.com

## CHAPTER 4

### REQUIREMENT ANALYSIS

#### 4.1 Functional requirement:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form
FR-2	User Interaction	Interaction through Chat Bot
FR-3	Buying Products	Recommendation through Chat Bot
FR-4	Track Products	Track the Orders with the help of Chat Bot
FR-5	Return Products	Return Products through Chat Bot
FR-6	New Collections	Recommended from Chat Bot

## 4.2 Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

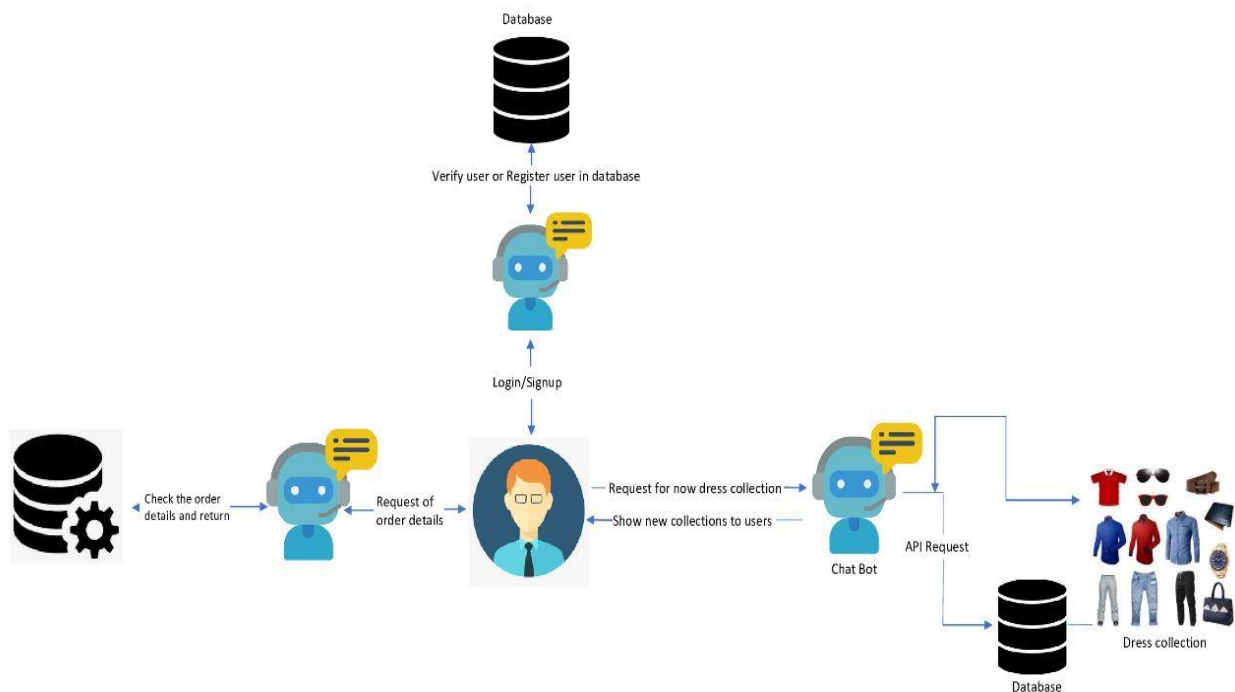
FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Using Android or Windows applications
NFR-2	<b>Security</b>	User data is stored securely in the IBM cloud
NFR-3	<b>Reliability</b>	The Quality of the services is trusted
NFR-4	<b>Performance</b>	Provides smooth user experience
NFR-5	<b>Availability</b>	The Services are available 24/7
NFR-6	<b>Scalability</b>	It's easy to scalable for users and products

# CHAPTER 5

## PROJECT DESIGN

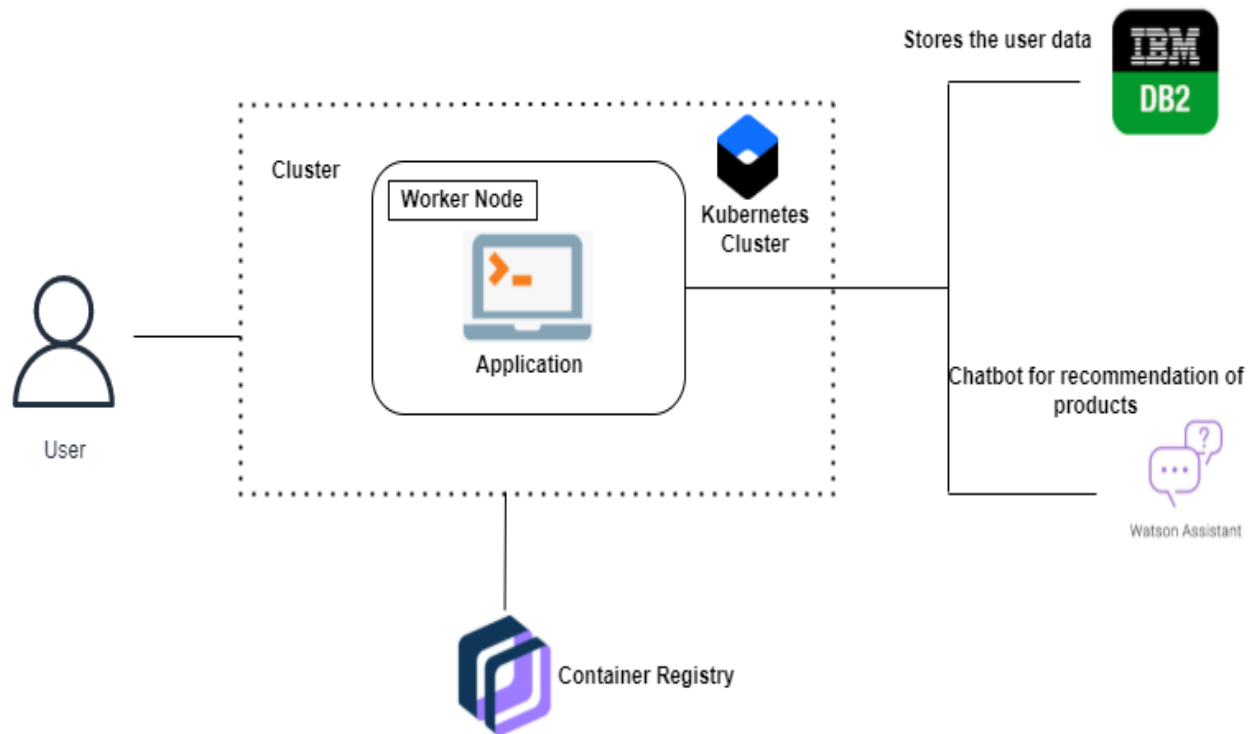
### 5.1 Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can graphically depict the right amount of the system requirement. It shows how data enters and leaves the system, what changes the information, and where data is stored.

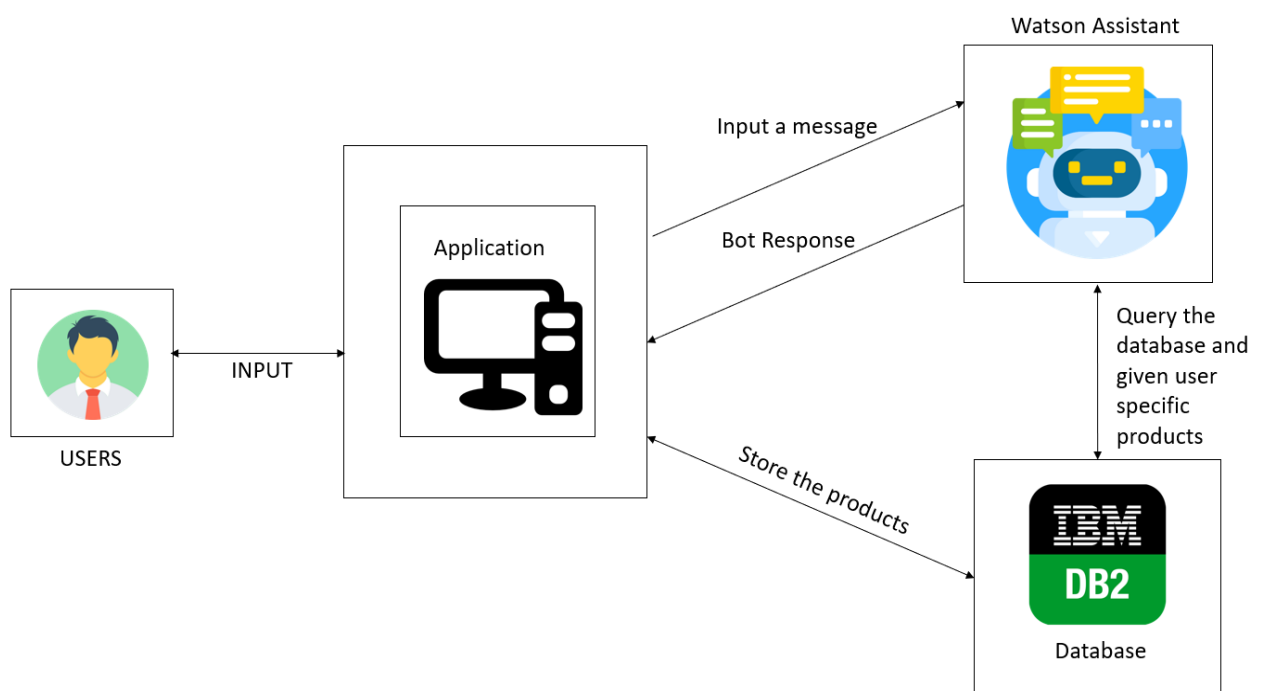




## 5.2 Technical Architecture:



### 5.3 Solution Architecture:



## 5.4 User Stories:

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	Users can register for the application by entering my email, and password, and confirming my password	Users can access my account / dashboard	High	Sprint-1
		USN-2	The user will receive a confirmation email once the user has registered for the application	Users can receive confirmation email & click confirm	High	Sprint-1
		USN-3	Users can register for the application through Facebook	Users can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	Users can register for the application through G mail		Medium	Sprint-1
	Login	USN-5	Users can log into the application by entering their email & password	Users can access my data by Login	High	Sprint-1
	Dashboard	USN-6	Users can view the dashboard by products		High	Sprint-2
Customer (Web user)	Registration / Login	USN-7	Users can register for the application by entering my email, and password, and confirming my password	Users can accessory account / dashboard		Sprint-1
Customer Care Executive	Contact with Customers	USN-8	Customer care executive solexecutivesstomer Requirements and feedback	Can receive calls from customers	High	Sprint-1

## CHAPTER 6

### PROJECT PLANNING & SCHEDULING

#### 6.1 Sprint Planning & Estimation:

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	UI Creation Creating Registration page, Login page	10	Medium	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S
Sprint-1	Database Connectivity	USN-2	Viewing and applying jobs Connecting UI with Database	10	High	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S
Sprint-2	SendGrid Integration	USN-3	SendGrid Integration with Python Code	10	Low	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S
Sprint-2	Chatbot Development	USN-4	Building a chatbot	10	High	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S
Sprint-3	Integration and Containerization	USN-5	Integrating the chatbot to the e-HTML page and containerizing the app	20	Medium	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S
Sprint-4	Upload Image and deployment	USN-6	Upload the image to the IBM Registry and deploy it in the Kubernetes Cluster.	20	High	Jothiprasath M Ganesh Kumar M Nithish R Harshavardhan S

## 6.2 Sprint Delivery Schedule:

### Project Tracker, Velocity:

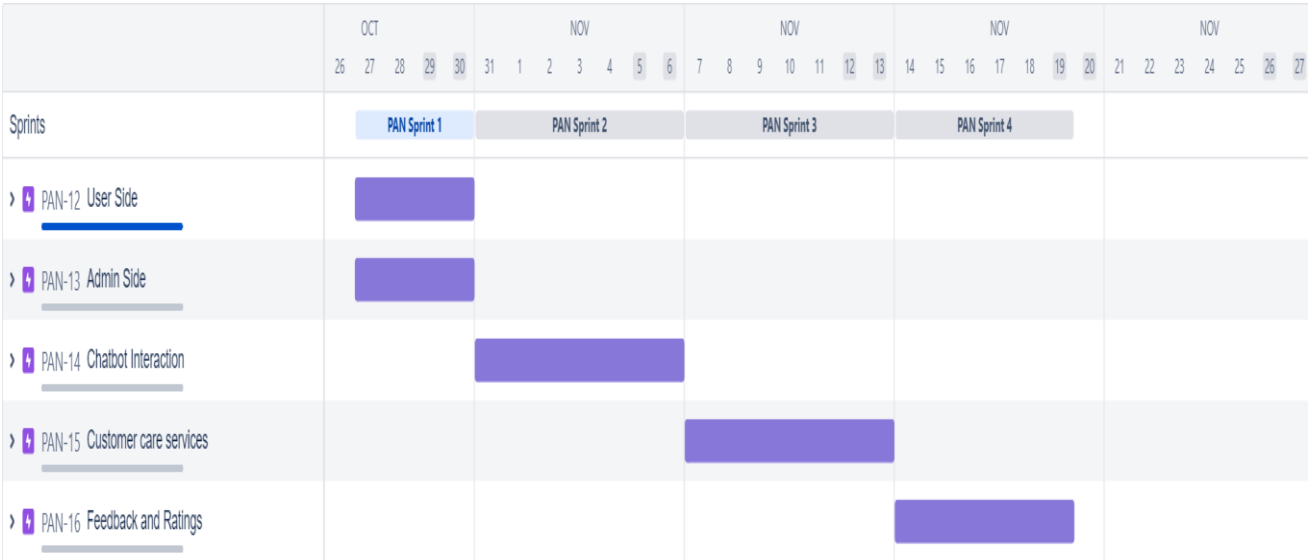
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

### Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

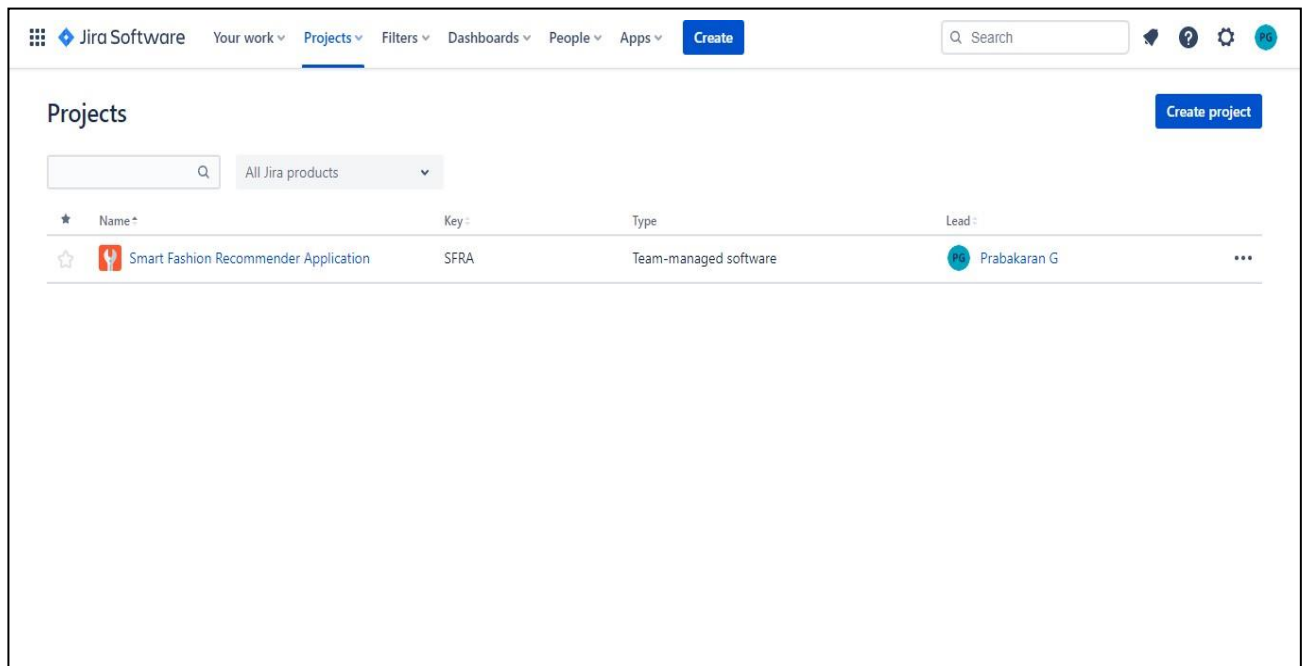
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown Chart :

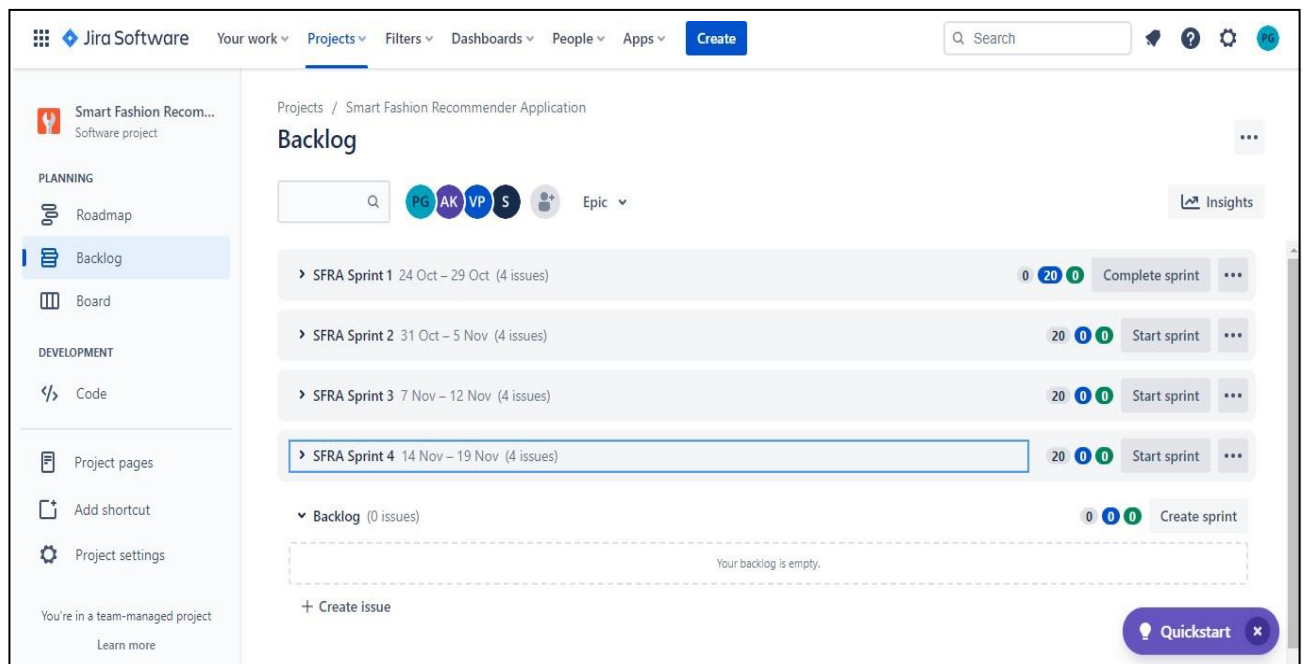


## 6.3 Reports from JIRA

### 1. Image showing the project created in the JIRA software



## 2. Image showing the List of Sprints and their time duration in the project





### 3. Images showing the User Stories involved in each sprint

**Backlog**

PG AK VP S Epic Insights

▼ SFRA Sprint 1 24 Oct – 29 Oct (4 issues) 0 20 0 Complete sprint

■ SFRA-2 As a user, I can register for the application by entering my email, password, and confirming my...	REGISTRATION	5	IN PROGRESS	PG
■ SFRA-3 As a user, I will receive confirmation email once I have registered for the application	REGISTRATION	5	IN PROGRESS	AK
■ SFRA-5 As a user, I can log into the application by entering email & password	LOGIN	5	IN PROGRESS	VP
■ SFRA-6 As an admin, I can log into the admin portal	LOGIN	5	IN PROGRESS	S

+ Create issue

▼ SFRA Sprint 2 31 Oct – 5 Nov (4 issues) 20 0 0 Start sprint

■ SFRA-8 As a user, I can see the available products in the dashboard	DASHBOARD	4	TO DO	AK
■ SFRA-9 As an admin, I can update the product details and manage reviews of the product	DASHBOARD	5	TO DO	VP
■ SFRA-11 As a user, I can access the Chatbot	CHATBOT	7	TO DO	PG
■ SFRA-12 As a user, I provide my preferences to the Chatbot	CHATBOT	4	TO DO	S

+ Create issue

### 3. Images showing the User Stories involved in each sprint (contd)

▼ SFRA Sprint 3 7 Nov – 12 Nov (4 issues) 20 0 0 Start sprint ...

📌 SFRA-14 As an admin, I can update the products in the Cloud database. CLOUD	6	TO DO ▼	PG
📌 SFRA-16 As a user, I can place the order and make payment. ORDER	5	TO DO ▼	S
📌 SFRA-17 As an admin, I can confirm and update the status of the order ORDER	5	TO DO ▼	VP
📌 SFRA-19 As an admin, I can update the status through email to the users E-MAIL	4	TO DO ▼	AK

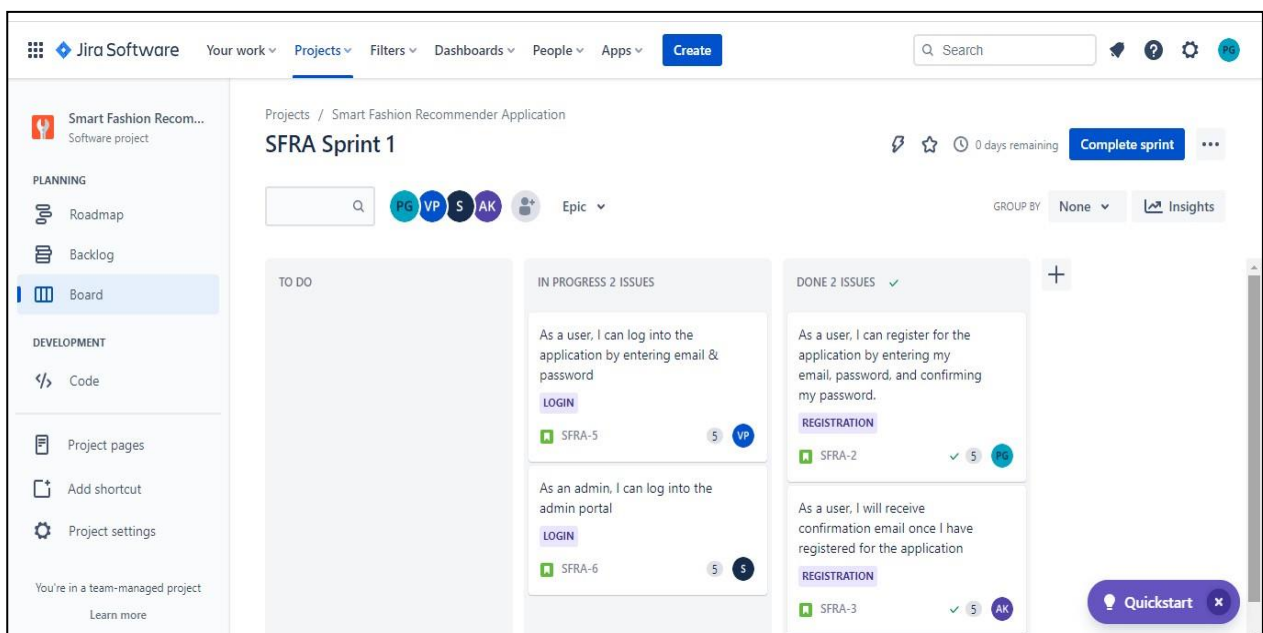
+ Create issue

▼ SFRA Sprint 4 14 Nov – 19 Nov (4 issues) 20 0 0 Start sprint ...

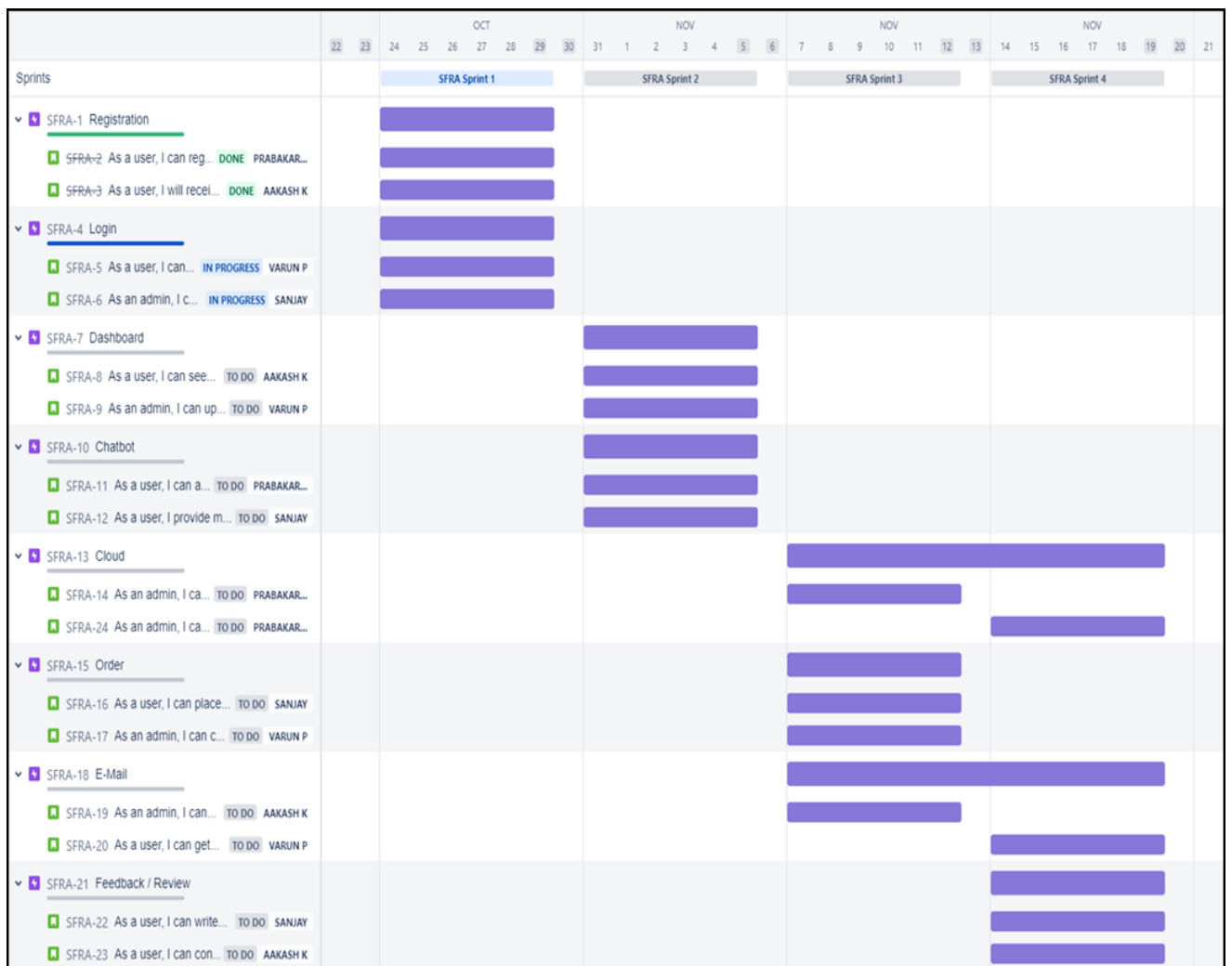
📌 SFRA-20 As a user, I can get confirmation mail after receiving the product E-MAIL	5	TO DO ▼	VP
📌 SFRA-22 As a user, I can write feedback about the product FEEDBACK / REVIEW	4	TO DO ▼	S
📌 SFRA-23 As a user, I can contact with the Chatbot if the product received is not satisfied and can also re... FEEDBACK / REVIEW	5	TO DO ▼	AK
📌 SFRA-24 As an admin, I can manage the user requests and feedbacks about the product and can update in the data... CLOUD	6	TO DO ▼	PG

+ Create issue

#### 4. Image showing the working progress of the tasks in the selected Spring



## 5. Image showing the Roadmap of the Project



## **CHAPTER 7**

### **CODING & SOLUTIONING**

#### **7.1 Feature 1:**

- Using chatbot we can manage user's choices and orders.
- The chatbot can give recommendations to the users based on their interests.
- It can promote the best deals and offers on that day.

#### **7.2 Feature 2:**

- Chatbot will store the customer's details and orders in the database.
- The chatbot will send a notification to customers if the order is confirmed.
- Chatbot can also help in collecting customer feedback

## CHAPTER 8

### TESTING

#### 8.1 Test Cases:

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	6	0	0	7
Home Page	2	0	0	2
Cart page	3	0	0	3
Order products	11	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

## 8.2 User Acceptance Testing:

### Purpose Of Document:

The purpose of this document is to briefly explain the test coverage and open issues of the Smart Fashion Recommender Application project at the time of the release to User Acceptance Testing (UAT).

### Defeat Analysis:

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	6	4	2	6	18
Duplicate	2	0	2	0	4
External	3	3	0	0	6
Fixed	15	2	4	15	36
Not Reproduced	0	0	2	0	2
Skipped	0	0	1	2	3
Won't Fix	0	5	4	1	10
Totals	26	14	15	24	79

## CHAPTER 9

### RESULTS

#### 9.1 Performance Metrics:

Project team shall fill the following information in model performance testing.

NFT - Risk Assessment									
S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Volumen Changes	Risk Score	Justification
1	Smart Fashion Recommender Application	New	Low	No Changes	Moderate		>5 to 10%	ORANGE	As we have seen the chnages

NFT - Detailed Test Plan				
S.No	Project Overview	NFT Test approach	Assumptions/Dependencies/Risks	Approvals/SignOff
1	Smart Fashion Recommender Application	Manual testing	laptop or mobile with internet connection	vkparameshwaran

End Of Test Report								
S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/SignOff
1	Smart Fashion Recommender Application	Manuale		Worked as we expected		Use Laptop / desktop Mode	No Defects	Vkparameshwaran



## **CHAPTER 10**

### **ADVANTAGES & DISADVANTAGES**

#### **ADVANTAGES:**

For customers, recommender systems can help them find items which they are interested in. For enterprises, recommender systems can improve the loyalty of their customers by enhancing the user experience and further convert more browsers to consumers.

#### **DISADVANTAGES:**

Building and managing recommender systems today requires specialized expertise in analytics, applied machine learning, software engineering, and systems operations. This makes it challenging regardless of your background or skillset.

## **CHAPTER 11**

### **CONCLUSION**

Recommendation systems have the potential to explore new opportunities for retailers by enabling them to provide customized recommendations to consumers based on information retrieved from the Internet. They help consumers to instantly find the products and services that closely match with their choices. Moreover, different state-of-the-art algorithms have been developed to recommend products based on users' interactions with their social groups. Therefore, research on embedding social media images within fashion recommendation systems has gained huge popularity in recent times.

This paper presented a review of the fashion recommendation systems, algorithmic models and filtering techniques based on the academic articles related to this topic. The technical aspects, strengths and weaknesses of the filtering techniques have been discussed elaborately, which will help future researchers gain an in-depth understanding of fashion recommender systems. However, the proposed prototypes should be tested in commercial applications to understand their feasibility and accuracy in the retail market, because inaccurate recommendations can produce a negative impact on a customer.

Moreover, future research should concentrate on including time series analysis and accurate categorization of product images based on the variation in colour, trend and clothing style in order to develop an effective recommendation system. The proposed model will follow brand specific personalization campaigns and hence it will ensure highly curated and tailored offerings for users. Hence, this research will be highly beneficial for researchers interested in using augmented and virtual reality features to develop recommendation systems.

## **CHAPTER 12**

### **FUTURE WORK**

In this section, we suggest some future scope directions for fashion recommender systems. Considering the rapid growth of multimedia data, where visual information will be the critical component. More in-depth research in applications of multi-model fusion and multi-task learning in fashion recommender systems are required to model recommender system to be capable of profiling users comprehensively. Besides, while the majority of researches in fashion recommender systems is mainly based on similarity retrieval techniques, there is a need for more studies in the development of new functions such as designing clothes, which are highly demanded in future fashion recommender systems. Furthermore, most of the current fashion datasets do not contain outfit compatibility annotations, or they are limited in terms of size and the type of annotations they provide. Consequently, most researchers built their dataset, which is a labor-costing process, and most of them are not accessible publicly for further research. So, the other future direction for subsequent studies may be focusing on developing automatic annotation methods, constructing large-scale rich annotated data sets for particular task definitions in fashion recommender systems. From an ethical perspective in fashion recommender systems also there is a need for performing the comprehensive study since it has not been studied in almost any of the researches, which have been reviewed through this thesis.

## CHAPTER 13

### APPENDIX

#### Source Code:

##### aboutus.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>About Us</title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.css">
</head>
<body>
<header>
<div class="logo"><a href="#"></a></div>
<div class="menu">
<a href="#">
<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
</ul>
</div>
<div class="heading1">

<ion-icon name="menu" class="ham"></ion-icon>
</div>
```

```

</header>
<h1>About Us</h1>
<div class="container">

<p style="color: #1807b6;">The future of fashion is here. Our team is made
up of fashion enthusiasts, designers and engineers who are passionate
about creating a wearable and personal product that will change the way
people buy
We at Closet are on a mission to make fashion more accessible, more
affordable and more personalized for everyone.
We believe that technology can change the way people buy clothes by
making it easier for them
to find what they want when they want it, without breaking the
bank.<br><br>The future of fashion is here!
We use machine learning to make the world smarter, more personalized,
and more connected.
We are always looking for talented people to join our team.
</p>
</body>
</html>

```

## cart.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Clothing Store</title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.css">
</head>
<body>
<header>
<div class="logo"><a href="#"></a></div>

<div class="menu">
<a href="#">
<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>

```

```

        <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
        <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
        <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
        <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>
        <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
    </ul>
</div>
<div class="heading1">
<ion-icon name="menu" class="ham"></ion-icon>
</div>
</header>
<div class="navbar">
<a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html">
<h2>Clothing Store</h2>
</a>
<a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html">
<div class="cart">
<i class="bi bi-cart2"></i>
<div id="cartAmount" class="cartAmount">0</div>
</div>
</a>
</div>
<div id="label" class="text-center"></div>
<div class="shopping-cart" id="shopping-cart"></div>
</body>
<div>
</div>

<script src="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/data.js"></script>
<script src="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.js"></script>
</html>

```

## contactus.html:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="UTF-8">
<title>Contact Us </title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/contactus.css">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

```

```
<body>
<header>
<div class="logo"><a href="#"></a></div>
<div class="menu">
<a href="#">
<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
</ul>
</div>
<div class="heading1">
<ion-icon name="menu" class="ham"></ion-icon>
</div>
```

```
</header>
<div class="container">
<div class="content">
<div class="left-side">
<div class="address details">
<i class="fas fa-map-marker-alt"></i>
<div class="topic">Address</div>
<div class="text-one">No 143,Kamraj Nagar</div>
<div class="text-two">Bangalore-NH, Hosur-635109.</div>
</div>
<div class="phone details">
<i class="fas fa-phone-alt"></i>
<div class="topic">Phone</div>
<div class="text-one">+91 9876543210</div>
<div class="text-two">+91 1234567890</div>
</div>
<div class="email details">
```

```

<i class="fas fa-envelope"></i>
<div class="topic">Email</div>
<div class="text-one">easyshop@gmail.com</div>
<div class="text-two">info.easyshop@gmail.com</div>
</div>
</div>
<div class="right-side">
<div class="topic-text">Send us a message</div>
<p>If you have any issues , you can send me message from here. It's my pleasure to help you.</p>
<form action="#">
<div class="input-box">
<input type="text" placeholder="Enter your name">
</div>
<div class="input-box">
<input type="text" placeholder="Enter your email">
</div>
<div class="input-box message-box">
<textarea placeholder="Enter your message"></textarea>
</div>
<div class="button">
<input type="button" value="Send Now" >
</div>
</form>
</div>
</div>
</div>
</div>
</body>
</html>

```

## index.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>The Easy Shop</title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">
<script> window.watsonAssistantChatOptions = {
  integrationID: "81cb4742-afac-4237-aa0f-f8a61c3fcf10", // The ID of this integration.
  region: "us-south", // The region your integration is hosted in.
  serviceInstanceID: "c8301189-3bb5-4060-b740-c925435d1596", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script'); t.src="https://web-
chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion ||
'latest') + "/WatsonAssistantChatEntry.js";document.head.appendChild(t);
});
</script>
</head>

```



```

<body>
<header>
  <div class="logo"><a href="#"></a>
  </div>
  <div class="menu">
    <a href="#">
      <ion-icon name="close" class="close"></ion-icon>
    </a>
  </div>
  <div class="heading">
    <ul>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
        class="under">Home</a></li>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
        class="under">Shop</a></li>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
        class="under">Contact Us</a></li>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
        class="under">About Us</a></li>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
        class="under">Login</a></li>
      <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
        class="under">Cart</a></li>
    </ul>
  </div>
  <div class="heading1">
    <ion-icon name="menu" class="ham"></ion-icon>
  </div>
</header>
<section>
  <div class="section">
    <div class="section1">
      <div class="img-slider">
        
        
        
        
        
      </div>
    </div>
  </div>
</section>
<footer>
  <div id="footer" class="footer0">
    <h1 class="bottom-head ">THE EASY SHOP</h1>
  </div>
  <div class="footer1 ">
    Connect with us <div class="social-media">
      <a href="#">
        <ion-icon name="logo-twitter"></ion-icon>

```

```

</a>
</div>
</div>
<div class="footer2">
<div class="product">
<div class="heading">Products</div>
<div class="div">Advertise</div>
<div class="div">Pricing</div>
<div class="div">Product Buisness</div>
</div>
<div class="services">
<div class="heading">Services</div>
<div class="div">Return</div>
<div class="div">Cash Back</div>
<div class="div">Others</div>
</div>
<div class="Company">
<div class="heading">Company</div>
<div class="div">Complaint</div>
<div class="div">Careers</div>
<div class="div">Support</div>
</div>
<div class="Get Help">
<div class="heading">Get Help</div>
<div class="div">Help Center</div>
<div class="div">Privacy Policy</div>
<div class="div">Terms</div>
</div>
</div>
<div class="footer3">Copyright © <h4>Easy Shop </h4> 2002 </div>
</footer>
<script src="https://unpkg.com/ionicons@4.5.10-0/dist/ionicons.js"></script>
<script src="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/app.js"></script>
</body>

```

```

</html>

```

## login.html:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Login Form </title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.css">
</head>
<body>
<header>
<div class="logo"><a href="#"></a></div>
<div class="menu">
<a href="#">

```

```

<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
</ul>
</div>
<div class="heading1">
<ion-icon name="menu" class="ham"></ion-icon>
</div>
</header>
<div class="container">
<div class="wrapper">

<div class="title"><span>Login</span></div>
<form action="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html" method="get">
<div class="row">
<i class="fas fa-user"></i>
<input type="text" placeholder="Email" required>
</div>
<div class="row">
<i class="fas fa-lock"></i>
<input type="password" placeholder="Password" required>
</div>
<div class="row button">
<input type="submit" value="Submit">
</div>
<div class="signup-link">Don't have an account? <a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/register.html">Create
now</a></div>
</form>
</div>
</div>
</body>
</html>

```

## product.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Products</title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.css">
</head>
<body>
<header>
  <div class="logo"><a href="#"></a>
  </div>
<div class="menu">
<a href="#">

<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>
  <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
</ul>
</div>
<div class="heading1">
<ion-icon name="menu" class="ham"></ion-icon>
</div>
</header>
<div class="navbar">
<a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html">
<h2>Fashion Store</h2>
</a>
```

```

<a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html">
<div class="cart">
<i class="bi bi-cart2"></i>
<div id="cartAmount" class="cartAmount">0</div>
</div>
</a>
</div>
<div class="shop" id="shop">
</div>
</body>
<script src="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/data.js"></script>

<script src="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/main.js"></script>
</html>

```

## register.html:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title> Registration</title>
<link rel="stylesheet" href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/register.css">
</head>
<body>
<header>
<div class="logo"><a href="#"></a></div>
<div class="menu">
<a href="#">
<ion-icon name="close" class="close"></ion-icon>
</a>
</div>
<div class="heading">
<ul>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/index.html"
class="under">Home</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/product.html"
class="under">Shop</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/contactus.html"
class="under">Contact Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/aboutus.html"
class="under">About Us</a></li>
<li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/login.html"
class="under">Login</a></li>

```

```

    <li><a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/cart.html"
class="under">Cart</a></li>
</ul>
</div>
<div class="heading1">
<ion-icon name="menu" class="ham"></ion-icon>
</div>
</header>
<div class="wrapper">
<h2>Registration</h2>

```

```

<form method ="get" action="https://easy-shop-bucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/login.html">
<div class="input-box">
<input type="text" placeholder="Enter name" required>
</div>
<div class="input-box">
<input type="text" placeholder="Enter email" required>
</div>
<div class="input-box">
<input type="password" placeholder="Password" required>
</div>
<div class="policy">
<input type="checkbox">
<h3>I accept all terms & condition</h3>
</div>
<div class="input-box button">
<input type="Submit" value="Register Now">
</div>
<div class="text">
<h3>Have an account? <a href="https://easy-shop-bucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/login.html">Sign in</a></h3>
</div>
</form>
</div>
</body>
</html>

```

## aboutus.css:

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap');
*{
    font-family: 'Poppins',sans-serif;
}

```

```
body{
  box-sizing: border-box;text-align:
  center;
  background: linear-gradient(120deg,#2980b9, #8e44ad);margin: 0;
  padding: 0;
}

.container{
  width: 50%;
  background: #fff;
  border-radius: 6px;
  padding: 20px 60px 30px 40px;
  box-shadow: 0 5px 10px rgba(16, 16, 16, 0.2);
}

.container .content{
  display: flex;
  align-items: center;
  justify-content: space-between;
}

.container .content .left-side{ width:
  25%;
  height: 100%;
  display: flex;
  flex-direction: column; align-
  items: center; justify-content:
  center;margin-top: 15px;
  position: relative;
}

h1{
  font-size: 2em;
  color: #000000;
```

```
}
```

```
p{
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;text-align:
    justify;
    line-height: 1.5; font-
    weight: bold;font-size:
    23px; font-weight:
    600; color: #3e2093;

}
```

```
.container{
    width: 60%;
    margin: 0 auto;
}
h5{
```

```
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;line-height: 1.5;
font-weight: bold;
font-size: 23px;
font-weight: 600;
color: #070708;
}
```

```
.credit{
    margin-top: 20%;
    color: rgb(0, 0, 0);text-
    align: center;
}
```

```
.cret{
    text-align: center;
}
```

```
header { display: flex;
    justify-content: space-evenly;align-items:
    center;
    height: 80px;width:
    100%;
    background: #242F9B;
}
```

```
.heading ul { display: flex;
    float: right;
}
```

```
.lgo{
    height: 70px;
}
```



```

.logo a { color: white;
  transition-duration: 1s;font-weight:
  800;
  }
.logo a:hover { color:
  #DBDFFD;
  transition-duration: 1s;
  }
.heading ul li { list-style:
  none;
  }
.heading ul li a {margin: 5px;
  text-decoration: none;color: black;
  font-weight: 500;
  position: relative;color: white;
  margin: 2px 14px; font-size:
  18px;
  transition-duration: 1s;
  }
.heading ul li a:active {color: red;
  }
.heading ul li a:hover { color:
  #DBDFFD; transition-duration: 1s;
  }

.heading ul li a::before {content: "";
  height: 2px; width: 0px;
  position: absolute;left: 0;
  bottom: 0;
  background-color: white;transition-
  duration: 1s;
  }

.heading ul li a:hover::before {width: 100%;
  transition-duration: 1s; background-
  color: #DBDFFD;
  }

.logo a { color: white;
  font-size: 35px; font-
  weight: 500;
  text-decoration: none;
  }
.logo a { color: white;
  font-size: 35px; font-
  weight: 500;
  text-decoration: none;
  }

```

```
ion-icon { width: 30px;
height: 30px;
background-color: white;
color: black;
}
ion-icon:hover { cursor:
pointer;
}
```

```
header a ion-icon { position:
relative;right: 3px;
}
```

## Contactus.css:

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap');
*{
margin: 0;
padding: 0;
box-sizing: border-box;
font-family: "Poppins" , sans-serif;
}
body{
min-height: 100vh;width:
100%;
background: linear-gradient(120deg,#2980b9, #8e44ad);align-items: center;
justify-content: center;margin: 0 auto;
}

header { display: flex;
justify-content: space-evenly;align-items:
center;
height: 80px;width:
100%;
background: #242F9B;
}
.heading ul { display: flex;
float: right;
}

.lgo{
height: 70px;
}
.logo a { color: white;
transition-duration: 1s;font-weight:
800;
}
```

```

.logo a:hover { color:
    #DBDFFD;
    transition-duration: 1s;
}
.heading ul li { list-style:
    none;
}
.heading ul li a {margin: 5px;
    text-decoration: none;color: black;
    font-weight: 500; position:
    relative;color: white; margin:
    2px 14px; font-size: 18px;
    transition-duration: 1s;
}
.heading ul li a:active {color: red;
}
.heading ul li a:hover { color:
    #DBDFFD; transition-duration: 1s;
}

.heading ul li a::before {content: "";
    height: 2px; width: 0px;
    position: absolute;left: 0;
    bottom: 0;
    background-color: white;transition-
    duration: 1s;
}
.heading ul li a:hover::before {width: 100%;
    transition-duration: 1s; background-
    color: #DBDFFD;
}
width: 25%;
height: 100%; display:
flex;
flex-direction: column; align-items:
center; justify-content: center;
margin-top: 15px; position: relative;
}
.content .left-side::before{content: ";
    position: absolute;height:
    70%; width: 2px;
    right: -15px;top: 50%;
    transform: translateY(-50%);background:
    #afafb6;
}
.content .left-side .details{margin: 14px;
    text-align: center;
}

```

```
.content .left-side .details i{font-size: 30px;
  color: #3e2093; margin-bottom:
  10px;
}
.content .left-side .details .topic{font-size: 18px;
  font-weight: 500;
}
  .content .left-side .details .text-one,
.content .left-side .details .text-two{font-size: 14px;
  color: #12728a;
}
.container .content .right-side{width: 75%;
  margin-left: 75px;
}
.content .right-side .topic-text{font-size: 23px;
  font-weight: 600;color:
  #3e2093;
}
.right-side .input-box{height: 50px;
  width: 100%;
  margin: 12px 0;
}
  .right-side .input-box input,
.right-side .input-box textarea{height: 100%;
  width: 100%; border:
  none; outline: none; font-
  size: 16px;
  background: #F0F1F8;border-
  radius: 6px; padding: 0 15px;
  resize: none;
}
.right-side .message-box{min-height:
  110px;
}
.right-side .input-box textarea{padding-top:
  6px;
}
.right-side .button{ display: inline-
  block;margin-top: 12px;
}
.right-side .button input[type="button"]{color: #fff;
  font-size: 18px; outline: none;
  border: none; padding: 8px
  16px; border-radius: 6px;
  background: #3e2093;cursor:
  pointer;
  transition: all 0.3s ease;
}
```

```

.button input[type="button"]:hover{ background:
#5029bc;
}

@media (max-width: 950px) {
.container{
width: 90%;
padding: 30px 40px 40px 35px ;
}
.container .content .right-side{ width:
75%;
margin-left: 55px;
}
}
@media (max-width: 820px) {
.container{ margin: 40px 0;
height: 100%;
}
.container .content{
flex-direction: column-reverse;
}
.container .content .left-side{ width: 100%;
flex-direction: row; margin-top: 40px;
justify-content: center;flex-wrap:
wrap;
}
.container .content .left-side::before{ display: none;
}
.container .content .right-side{ width: 100%;
margin-left: 0;
}
}

```

## Login.css:

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;
700&display=swap');
*{
margin: 0;
padding: 0;
box-sizing: border-box;
font-family: 'Poppins',sans-serif;
}
body{
background: linear-gradient(120deg,#2980b9, #8e44ad);overflow: hidden;
}
::selection{ background: #4070f4;

```

```

    }
    .container{ height: 60%;
        max-width: 440px;
        padding: 0 20px;
        margin: 170px auto;
    }
.wrapper{ width: 100%;
    background: #fff; border-
radius: 5px;
    box-shadow: 0px 4px 10px 1px rgba(0,0,0,0.1);
    }
.wrapper .title{ height: 90px;
    background: #4070f4;
    border-radius: 5px 5px 0 0;color: #fff;
    font-size: 30px; font-
weight: 600;display: flex;
    align-items: center; justify-content:
    center;
    }
    .wrapper form{
padding: 30px 25px 25px 25px;
    }
.wrapper form .row{height:
    45px;
    margin-bottom: 15px;position:
    relative;
    }
.wrapper form .row input{height:
    100%;
    width: 100%; outline: none;
    padding-left: 60px;border-
radius: 5px;
    border: 1px solid lightgrey;font-size:
    16px;
    transition: all 0.3s ease;
    }
form .row input:focus{ border-color:
    #4070f4;
    box-shadow: inset 0px 0px 2px 2px #5029bc;
    }
form .row input::placeholder{color: #999;
    }
.wrapper form .row i{position:
    absolute;width: 47px; height:
    100%;
    color: #fff; font-size:
    18px;
    background: #5029bc; border: 1px solid
    #16a085; border-radius: 5px 0 0 5px;

```

```

display: flex;
align-items: center; justify-content:
center;
}
.wrapper form .pass{ margin: -8px 0
20px 0;
}
.wrapper form .pass a{color:
#16a085;
font-size: 17px;
text-decoration: none;
}
.wrapper form .pass a:hover{ text-
decoration: underline;
}
.wrapper form .button input{color: #fff;
font-size: 20px; font-weight:
500; padding-left: 0px;
background: #4070f4;
border: 1px solid #4070f4;cursor:
pointer;
}
form .button input:hover{
background:#5029bc;
}
.wrapper form .signup-link{text-align:
center; margin-top: 20px;
font-size: 17px;
}
.wrapper form .signup-link a{color:
#5029bc;
text-decoration: none;
}
form .signup-link a:hover{ text-decoration:
underline;
}

header { display: flex;
justify-content: space-evenly;
align-items: center; height:
80px;
width: 100%; background:
#242F9B;
}
.heading ul { display: flex;
float: right;
}

```

```

.lgo{
height: 70px;
}
.logo a { color: white;
transition-duration: 1s;font-weight:
800;
}
.logo a:hover { color:
#DBDFFD;
transition-duration: 1s;
}
.heading ul li { list-style:
none;
}
.heading ul li a {margin: 5px;
text-decoration: none;color: black;
font-weight: 500; position:
relative;color: white; margin:
2px 14px; font-size: 18px;
transition-duration: 1s;
}
.heading ul li a:active {color: red;
}
.heading ul li a:hover { color:
#DBDFFD; transition-duration: 1s;
}

.heading ul li a::before {content: "";
height: 2px;width:
0px;
position: absolute;left: 0;
bottom: 0;
background-color: white;transition-
duration: 1s;
}
.heading ul li a:hover::before { width: 100%;
transition-duration: 1s; background-
color: #DBDFFD;
}

.logo a { color: white;
font-size: 35px; font-
weight: 500;
text-decoration: none;
}

.logo a { color: white;
font-size: 35px; font-

```



```

    weight: 500;
    text-decoration: none;
  }
  ion-icon { width: 30px;
    height: 30px;
    background-color: white;color:
    black;
  }
  ion-icon:hover { cursor:
    pointer;
  }

.search a { display: flex;
  }

header a ion-icon { position:
  relative;right: 3px;
  }

```

## Product.css:

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap');
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins',sans-serif;
}

i {
  cursor: pointer;
}

a {
  text-decoration: none;color:
  white;
}

/**
 * ! Navbar STypes are here
 */

.navbar { display:
  flex;
  flex-direction: row;
  justify-content: space-between;
  background-color: #fff;

```

```

        color: white; padding:
        25px 60px; margin-
        bottom: 30px;
    }

    .cart {
        position: relative;
        background-color: #fff; color:
        #000;
        font-size: 30px;
        padding: 5px; border-
        radius: 4px;
    }

    .cartAmount { position:
        absolute; top: -15px;
        right: -10px; font-
        size: 16px;
        background-color: red; color:
        white;
        padding: 3px; border-
        radius: 3px;
    }

    /**
    * ! Shop items styles are here
    */

    .shop {
        display: grid;
        grid-template-columns: repeat(4, 223px); gap: 30px;
        justify-content: center;
    }

    @media (max-width: 1000px) {
        .shop {
            grid-template-columns: repeat(2, 223px);
        }
    }

    @media (max-width: 500px) {
        .shop {
            grid-template-columns: repeat(1, 223px);
        }
    }

    .item {
        border: 2px solid #212529;
        border-radius: 4px;
    }

```

```

}

.details { display:
    flex;
    flex-direction: column;
    padding: 10px;
    gap: 10px;
}

.price-quantity {
    display: flex;
    flex-direction: row;
    justify-content: space-between; align-
    items: center;
}

.buttons { display:
    flex;
    flex-direction: row; gap:
    8px;
    font-size: 16px;
}

.bi-dash-lg {
    color: red;
}

.bi-plus-lg { color:
    green;
}

/**
 * ! style rules for label and some buttons
 */

.text-center {
    text-align: center; margin-
    bottom: 20px;
}

.HomeBtn,
.checkout,
.removeAll {
    background-color: #212529;
    color: white;
    border: none; padding:
    6px; border-radius: 3px;
    cursor: pointer; margin-
    top: 10px;
}

```

```

}

.checkout {
    background-color: green;
}
.removeAll {
    background-color: red;
}
.bi-x-lg { color:
    red;
    font-weight: bold;
}

.shopping-cart {
    display: grid;
    grid-template-columns: repeat(1, 320px);justify-
    content: center;
    gap: 15px;
}

/**
 * ! style rules for cart-item
 */

.cart-item {
    border: 2px solid #212529;
    border-radius: 5px; display: flex;
}

.title-price-x { width:
    195px; display:
    flex;
    align-items: center;
    justify-content: space-between;
    /* border: 2px solid red; */
}

.title-price { display:
    flex;
    align-items: center;gap:
    10px;
}

.cart-item-price { background-color:
    #212529;color: white;
    border-radius: 4px;
    padding: 3px 6px;
}

```

```

html {
    scroll-behavior: smooth;
}

header {
    display: flex;
    justify-content: space-evenly; align-items: center;
    height: 80px;
    width: 100%;
    background: #242F9B;
}

.heading ul {
    display: flex; float: right;
}

.lgo{
    height: 70px;
}

.logo a { color:
    white;
    transition-duration: 1s; font-weight: 800;
}

.logo a: hover { color:
    #DBDFFD;
    transition-duration: 1s;
}

.heading ul li { list-style:
    none;
}

.heading ul li a {
    margin: 5px;
    text-decoration: none; color:
    black;
    font-weight: 500;
    position: relative; color:
    white; margin: 2px
    14px; font-size: 18px;
    transition-duration: 1s;
}

.heading ul li a: active { color:
    red;
}

.heading ul li a: hover { color:
    #DBDFFD; transition-
    duration: 1s;
}

```

```

}

.heading ul li a::before { content:
    "";
    height: 2px;
    width: 0px; position:
    absolute; left: 0;
    bottom: 0;
    background-color: white;
    transition-duration: 1s;
}

.heading ul li a:hover::before { width:
    100%;
    transition-duration: 1s;
    background-color: #DBDFFD;
}

#input { height:
    30px; width:
    300px;
    text-decoration: none;
    border: 0px;
    padding: 5px;
}

.logo a { color:
    white;
    font-size: 35px; font-
    weight: 500;
    text-decoration: none;
}

.logo a { color:
    white;
    font-size: 35px; font-
    weight: 500;
    text-decoration: none;
}

ion-icon { width:
    30px; height:
    30px;
    background-color: white; color:
    black;
}

ion-icon:hover {
    cursor: pointer;
}

.search a { display:
    flex;

```

```
}
```

```
    header a ion-icon {  
        position: relative;  
        right: 3px;  
    }
```

## Register.css:

```
@import  
url('https://fonts.googleapis.com/css?family=Poppins:400,500,600,700&display=swap');  
*{  
margin: 0;  
padding: 0;  
box-sizing: border-box;  
font-family: 'Poppins', sans-serif;  
}  
body{  
min-height: 100vh; align-items:  
center;  
justify-content: center;  
background: linear-gradient(120deg,#2980b9, #8e44ad);  
}  
.wrapper{  
position: absolute;left: 200px;  
top: 200px;  
max-width: 430px; width:  
100%; background: #fff;  
padding: 34px; border-radius:  
6px;  
box-shadow: 0 5px 10px rgba(0,0,0,0.2);  
}  
.wrapper h2{ position: relative;  
font-size: 22px; font-weight:  
600;  
color: #333;  
}  
.wrapper h2::before{ content: "  
position: absolute;left: 0;  
bottom: 0; height:  
3px;width: 28px;  
border-radius: 12px;  
background: #4070f4;  
}  
.wrapper form{  
margin-top: 30px;  
}  
.wrapper form .input-box{height:  
52px;  
margin: 18px 0;  
}
```

```

form .input-box input{height:
  100%;
  width: 100%; outline: none;
  padding: 0 15px; font-size:
  17px; font-weight: 400;
  color: #333;
  border: 1.5px solid #C7BEBE;border-
  bottom-width: 2.5px; border-radius: 6px;
  transition: all 0.3s ease;
  }
  .input-box input:focus,
.input-box input:valid{ border-color:
  #4070f4;
  }
form .policy{ display:
  flex;
  align-items: center;
  }
  form h3{
  color: #707070; font-size:
  14px; font-weight: 500;
  margin-left: 10px;
  }
.input-box.button input{color: #fff;
  letter-spacing: 1px;border:
  none; background: #4070f4;
  cursor: pointer;
  }
.input-box.button input:hover{
  background:#5029bc ;
  }
  form .text h3{
  color: #333;
  width: 100%;
  text-align: center;
  }
form .text h3 a{ color:
  #4070f4;
  text-decoration: none;
  }
  form .text h3 a:hover{
  text-decoration: underline;
  }

  html {
  scroll-behavior: smooth;
  }

```

```

header { display: flex;

```



```
justify-content: space-evenly;align-items:
center;
height: 80px;width:
100%;
background: #242F9B;
}
.heading ul { display: flex;
float: right;
}

.lgo{
height: 70px;
}
.logo a { color: white;
transition-duration: 1s;font-weight:
800;
}
.logo a:hover { color:
#DBDFFD;
transition-duration: 1s;
}
.heading ul li { list-style:
none;
}
.heading ul li a {margin: 5px;
text-decoration: none;color: black;
font-weight: 500; position: relative;
color: white; margin: 2px 14px;
font-size: 18px; transition-duration:
1s;
}
.heading ul li a:active {color: red;
}
.heading ul li a:hover { color:
#DBDFFD; transition-duration: 1s;
}

.heading ul li a::before {content: "";
height: 2px; width: 0px;
position: absolute;left: 0;
bottom: 0;
background-color: white;transition-
duration: 1s;
}
.heading ul li a:hover::before {width: 100%;
transition-duration: 1s; background-
color: #DBDFFD;
}
```

```
#input { height: 30px;
width: 300px;
text-decoration: none;border: 0px;
padding: 5px;
}
.logo a { color: white;
font-size: 35px; font-
weight: 500;
text-decoration: none;
}

.logo a { color: white;
font-size: 35px; font-
weight: 500;
text-decoration: none;
}
ion-icon { width: 30px;
height: 30px;
background-color: white;color: black;
}
ion-icon:hover { cursor:
pointer;
}

.search a { display: flex;
}

header a ion-icon { position:
relative;right: 3px;
}
```

## Styles.css:

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;
700&display=swap');
* {
margin: 0;
padding: 0;
box-sizing: border-box;
font-family: 'Poppins', sans-serif;
}

body{
font-family: 'Poppins', sans-serif;
}
html {
scroll-behavior: smooth;
}

header { display: flex;
```

```

        justify-content: space-evenly;align-items:
        center;
        height: 80px;width:
        100%;
        background: #242F9B;
    }
    .heading ul { display: flex;
        float: right;
    }
    .lgo{
        height: 70px;
    }
    .logo a { color:
        white;
        transition-duration: 1s;font-
        weight: 800;
    }
    .logo a:hover { color:
        #DBDFFD;
        transition-duration: 1s;
    }
    .heading ul li { list-style:
        none;
    }
    .heading ul li a {
        margin: 5px;
        text-decoration: none;color:
        black;
        font-weight: 500;
        position: relative;color:
        white; margin: 2px
        14px; font-size: 18px;
        transition-duration: 1s;
    }
    .heading ul li a:active { color:
        red;
    }
    .heading ul li a:hover { color:
        #DBDFFD; transition-
        duration: 1s;
    }

    .heading ul li a::before { content:
        "";
        height: 2px;
        width: 0px;
        position: absolute;left: 0;
        bottom: 0;

```

```

        background-color: white;
        transition-duration: 1s;
    }
    .heading ul li a:hover::before {width:
        100%;
        transition-duration: 1s;
        background-color: #DBDFFD;
    }
    #input { height:
        30px; width:
        300px;
        text-decoration: none;
        border: 0px;
        padding: 5px;
    }
    .logo a { color:
        white;
        font-size: 35px; font-
        weight: 500;
        text-decoration: none;
    }
    ion-icon { width:
        30px; height:
        30px;
        background-color: white; color:
        black;
    }
    ion-icon:hover {
        cursor: pointer;
    }

    .search a { display:
        flex;
    }

    header a ion-icon {
        position: relative; right:
        3px;
    }

    .img-slider img {
        height: 620px;
        width: 1080px;
    }
    @keyframes slide {0%
        {
            left: 0px;
        } 15%

```

```

    {
        left: 0px;
    } 20%
    {
        left: -1080px;
    }
    32% {
        left: -1080px;
    } 35%
    {
        left: -2160px;
    } 47%
    {
        left: -2160px;
    } 50%
    {
        left: -3240px;
    } 63%
    {
        left: -3240px;
    } 66%
    {
        left: -4320px;
    } 79%
    {
        left: -4320px;
    } 82%
    {
        left: -5400px;
    } 100%
    {
        left: 0px;
    }
}

.img-slider { display: flex;
float: left; position:
relative; width: 1080px;
height: 620px;
animation-name: slide;
animation-duration: 10s;
animation-iteration-count: infinite; transition-
duration: 2s;
margin-bottom: 20px;
}

.heading1 {
opacity: 0;
}

```

```

.search { display:
    flex;
    position: relative;

}

.section1 { width:
    1080px;
    overflow: hidden; justify-
    content: center; align-items:
    center; margin: 0px auto;
    margin-top: 20px;

}

.section2 .container {
    display: flex; width:
    100%;
    height: max-content; flex-
    wrap: wrap;
    justify-content: center; margin:
    10px auto;
}

.section2 .container .items { margin:
    10px;
    width: 200px;
    height: 300px;
    background-color: white; border:
    2.5px solid black; border-radius:
    12px;
}

.section2 .container .items .name { text-align:
    center;
    background-color: #646FD4;
    height: 25px;
    padding-top: 4px;
    color: white; margin:
    0;
}

.section2 .container .items .price { float: left;
    padding-left: 10px;
    display: block; width:
    100%;
    color: #242F9B; font-
    weight: 650;
}

.section2 .container .items .info { padding-
    left: 10px;

```

```

        color: #646FD4;
    }

.section2 .container .items .img img {width:
    200px;
    height: 200px;
    margin: 0;
    padding: 0;
    border-radius: 12px; transition-
    duration: 0.8s;
}

.section2 .container .items .img {overflow:
    hidden;
    margin: 0;
}

.section2 .container .items:hover .img img {transform:
    scale(1.2);
    transition-duration: 0.8s;border-
    radius: 12px;
}

footer { display:
    flex;
    flex-direction: column; align-
    items: center; color: white;
    background-color: black;
    margin-top: 20px;
}

.footer1 { display:
    flex;
    flex-direction: column;align-
    items: center; color: white;
    margin-top: 15px;
}

.social-media { display:
    flex;
    justify-content: center;color:
    white;
    flex-wrap: wrap;
}

.social-media a { margin:
    20px; border-radius:
    5px;margin-top: 10px;
    color: white;
}

.social-media a ion-icon {color:
    #646FD4;

```

```

        background-color: black;
    }
    .social-media a:hover ion-icon {color:
        red;
        transform: translateY(5px);
    }
    .footer2 { display:
        flex; width: 100%;
        justify-content: space-around; align-
        items: center;
        text-decoration: none; flex-
        wrap: wrap;
    }
    .footer0 {
        font-weight: 1200; transition-
        duration: 1s;
    }
    .footer0:hover {
        color: #646FD4;
    }
    .footer2 .heading { font-
        weight: 900; font-size:
        18px;
    }
    .footer3 {
        margin-top: 60px;
        margin-bottom: 20px;
        display: flex;
        flex-wrap: wrap;
        justify-content: center;
    }
    .footer2 .heading:hover {color:
        #646FD4;
    }
    .footer2 .div:hover { transform:
        scale(1.05);
    }
    .footer3 h4 { margin:
        0 10px;
    }
    .footer2 div {
        margin: 10px;
    }
    .menu {
        visibility: hidden;
    }
    .heading1 .ham:active {
        color: red;
    }

```



```
.items {
    overflow: hidden;
}
.ham,
.close {
    cursor: pointer;
}
```

```
@media screen and (max-width: 1250px) {
    .heading ul li {
        display: none;
    }
}
```

```
.items {
    transform: scale(0.9);
}
.img-slider img {
    height: 60vw;
    width: 80vw;
}
.ham:active {
    color: red;
}
.menu { display:
    flex;
    flex-direction: column;align-
    items: center;
}
.menu a ion-icon {
    position: absolute;
}
```

```
@keyframes slide1 {0%
{
    left: 0vw;
} 15%
{
    left: 0vw;
} 20%
{
    left: -80vw;
} 32%
{
    left: -80vw;
} 35%
{
    left: -160vw;
}
47% {
```

```

        left: -160vw;
    } 50%
    {
        left: -240vw;
    } 63%
    {
        left: -240vw;
    } 66%
    {
        left: -320vw;
    } 79%
    {
        left: -320vw;
    } 82%
    {
        left: -400vw;
    } 100%
    {
        left: 0vw;
    }
}
.menu ul { display:
    flex;
    flex-direction: column;
    position: absolute; width:
    100vw;
    height: 100vh; background-
    color: black; left: 0;
    top: 0;
    z-index: 11;
    align-items: center; justify-
    content: center; opacity: 1;
}
.close {
    z-index: 34;

    color: white; background-
    color: black;
}
.close:active {
    color: red;
}
.menu ul li {
    list-style: none;
    margin: 20px;
    border-top: 3px solid white; width:
    80%;
    text-align: center;

```

```

padding-top: 10px;
}
.menu ul li a {
text-decoration: none;
padding-top: 10px; color:
white;
font-weight: 900;
}
.menu ul li a:hover { color:
rgb(240, 197, 6);
}
.img-slider { display: flex;
float: left; position:
relative; width: 80%;
height: 60%;
animation-name: slide1;
animation-duration: 10s;
animation-iteration-count: infinite; transition-
duration: 2s;
}
.section1 {
width: 80%;
overflow: hidden; justify-
content: center; align-items:
center; margin: 0px auto;
}

.heading1 {
opacity: 1;
position: relative;
bottom: 8px;
}
.search a { display:
flex; flex-wrap:
nowrap;
}

.heading1 .ham { background-
color: black;
color: white;
}
#input {
width: 200px; flex-
shrink: 2;
}
header {
height: 150px;
}

```

```

}
@media screen and (max-width: 550px) {
    .heading ul li {
        display: none;
    }
    .heading1 {
        opacity: 1;

        bottom: 8px;
    }

    header {
        height: 250px; flex-
        wrap: wrap; display:
        flex;
        flex-direction: column;
    }
    #input {
        width: 150px;

    }
    .close {
        z-index: 34;
    }

    .search a { display:
        flex; flex-wrap:
        nowrap;
    }
}

```

```

/* my edit */

```

```

.bottom-head{ padding-
    top: 20px;

}

```

```

/* cta */
.cta-img{
    position: absolute; right: 100px;
    margin-top: 30px;
}

```

## App.js:

```
const close = document.querySelector(".close");const open =
document.querySelector(".ham"); const menu =
document.querySelector(".menu"); close.addEventListener("click",
() => {
  menu.style.visibility = "hidden";
});
open.addEventListener("click", () => {
  menu.style.visibility = "visible";
});
```

## Cart.js:

```
let label = document.getElementById("label");
let ShoppingCart = document.getElementById("shopping-cart");

let basket = JSON.parse(localStorage.getItem("data")) || [];let calculation = () => {
  let cartIcon = document.getElementById("cartAmount");
  cartIcon.innerHTML = basket.map((x) => x.item).reduce((x, y) => x + y, 0);
};

calculation();

let generateCartItem = () => {if (basket.length
!== 0) {
  return (ShoppingCart.innerHTML = basket
.map((x) => {
    let { id, item } = x;
    let search = shopItemsData.find((y) => y.id === id) || [];return `
<div class="cart-item">
  <img width="100" src=${search.img} alt="" />
  <div class="details">

    <div class="title-price-x">
      <h4 class="title-price">
        <p>${search.name}</p>
        <p class="cart-item-price">₹ ${search.price}</p>
      </h4>
      <i onclick="removeItem(${id})" class="bi bi-x-lg"></i>
    </div>

    <div class="buttons">
      <i onclick="decrement(${id})" class="bi bi-dash-lg"></i>
      <div id=${id} class="quantity">${item}</div>
      <i onclick="increment(${id})" class="bi bi-plus-lg"></i>
    </div>

    <h3>₹ ${item * search.price}</h3>
  </div>
    `
  }
}
```

```

        </div>
    </div>
    `;
    })
    .join("");
} else { ShoppingCart.innerHTML =
    ``;label.innerHTML = `
    <h2>Cart is Empty</h2>
    <a href="product.html">
        <button class="HomeBtn">Back to home</button>
    </a>
    `;
}
};

```

```

generateCartItems();

```

```

let increment = (id) => {let
    selectedItem = id;
    let search = basket.find((x) => x.id === selectedItem.id);

```

```

        if (search === undefined) {
            basket.push({
                id: selectedItem.id,item:
                1,
            });
        } else { search.item +=
            1;
        }
    }

```

```

generateCartItems(); update(selectedItem.id);
localStorage.setItem("data",JSON.stringify(basket));
    };
    let decrement = (id) => {
let selectedItem = id;
let search = basket.find((x) => x.id === selectedItem.id);

```

```

if (search === undefined) return; else if
(search.item === 0) return;else {
    search.item -= 1;
}
update(selectedItem.id);
basket = basket.filter((x) => x.item !== 0); generateCartItems();
localStorage.setItem("data",JSON.stringify(basket));
    };

```

```

    let update = (id) => {
let search = basket.find((x) => x.id === id);
// console.log(search.item); document.getElementById(id).innerHTML =

```

```

search.item;calculation();
TotalAmount();
};

let removeItem = (id) => { let
  selectedItem = id;
  // console.log(selectedItem.id);
  basket = basket.filter((x) => x.id !== selectedItem.id);generateCartItem();
  TotalAmount(); localStorage.setItem("data",JSON.stringify(basket));
};

let clearCart = () => {basket = [];
  generateCartItem();
  localStorage.setItem("data",JSON.stringify(basket));
};

let TotalAmount = () => { if
  (basket.length !== 0) {
    let amount = basket
      .map((x) => {
        let { item, id } = x;
        let search = shopItemsData.find((y) => y.id === id) || [];

        return item * search.price;
      })
      .reduce((x, y) => x + y, 0);
    // console.log(amount);
    label.innerHTML = `
    <h2>Total Bill : ₹ ${amount}</h2>
    <a href="https://www.paypal.com/in/webapps/mpp/home"><button
class="checkout">Pay NOW</button></a>
    <button onclick="clearCart()" class="removeAll">Clear Cart</button>
    `;
  } else return;
};

TotalAmount();

```

## Data.js:

```

let shopItemsData = [
  {
    id: "a",
    name: "Jeevaan - The Perfect Shirt",price: 499,
    desc: "Cotton Men's Regular Fit Formal Shirt",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh1.jpg",
  },

```

```

{
  id: "b",
  name: "Men's sun suit",price: 1299,
  desc: "Body Tailored Self Design Notch Collar Suit Self Design Men Suit",img: "https://eva-fashion-
imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh2.jpg",
},
{
  id: "c",
  name: "Men Casual Shirt",price: 399,
  desc: "Men Regular Fit Color Block Casual Vacation lightweight Shirt |Size © L S|",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh3.png",
},
{
  id: "d",
  name: "T-Style Shirt",price: 1449,
  desc: "Men's Regular Fit Casual Vacation lightweight Shirt and Free StyleModern| Size S © L XXL
XXXL|",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh4.jpg",
},
{ id: "e",
  name: "Men's Cotton Slim Fit",price:
  349,
  desc: "Men's Solid Premium Slim Fit shirt | Size © L |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh5.jpg",
},
{
  id: "f",
  name: "Roadster Men",
  price: 699,
  desc: "White Green & Maroon Striped shirt by Eva | Size © L |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh6.jpg",
},
{
  id: "g",
  name: "Netplay",
  price: 999,
  desc: "City Shirts with Insert Pockets | Size © L S XL XXL|",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh7.jpg",
},
{
  id: "h",
  name: "Cargo",

```



```

    price: 799,
    desc: "Twist Men's Solid Medium Size Shirts| Size © L XL|",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sh8.jpg",
  },
  {
    id: "i",
    name: "El Cielo",
    price: 300,
    desc: "Slim Fit Blue Polycotton Sweatshirt| Size S © L XXL| Limited
Offer for First Buyer",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee1.png",
  },
  {
    id: "j",
    name: "YB DNMX",
    price: 579,
    desc: "Mid-Rise ZEEL Solid Men Raincoat| Size S © L XXL| LimitedOffer for First
Buyer",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee10.jpg",
  },
  {
    id: "l",
    name: "HIGHLANDER",
    price: 1899,
    desc: "Men Black Tapered Fit Ankle Length Chinos Jacket| Size S © |",img: "https://eva-
fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee12.jpg",
  },
  {
    id: "m",
    name: "JUNEBERRY",
    price: 989,
    desc: "Black Cotton Regular Fit men's T-Shirt | Size S © L XXL|",img: "https://eva-
fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee2.jpg",
  },
  {
    id: "n",
    name: "WeeJack",
    price: 799,
    desc: "Cotton Regular Fit men's Stylish Jacket | Size S © L XXL|",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee3.jpg",
  },
  {
    id: "o",

```

```

        name: "Tee-Shirt",
        price: 999,
        desc: "white Polycotton Regular Fit men's T-Shirt | Size S © L XXL|",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee4.jpg",
    },
    {
        id: "p",
        name: "Tee-Shirt",
        price: 559,
        desc: "Red Cotton Regular Fit men's T-Shirt | Size S © L XXL|",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee5.jpg",
    },
    {
        id: "q",
        name: "Woofers",
        price: 499,
        desc: "Green Cotton Regular Fit men's T-Shirt | Size S © L XXL|",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee6.png",
    },
    {
        id: "r",
        name: "V T-shirt",
        price: 399,
        desc: "Dual Color Pattern Cotton Regular Fit men's T-Shirt | Size S ©
L XXL| Limited Offer",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee7.png",
    },
    {
        id: "s",
        name: "Classic Men",
        price: 699,
        desc: "Green Light Cotton Regular Fit men's T-Shirt | Size S © L XXL|
Limited Offer",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee8.png",
    },
    {
        id: "t",
        name: "Black Solo",
        price: 300,
        desc: "Black Nylon Regular Fit men's T-Shirt | Size S © L XXL|",
        img: "",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/tee9.jpg",
    },
    },

```

```

{
  id: "u",
  name: "Nice OUt",
  price: 100,
  desc: "Blue PolyCotton Regular Fit men's Stylish Pant | Size S © L
XXL| Limited Offer",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/pa1.png",
},
{
  id: "v",
  name: "Casualize",
  price: 769,
  desc: "Casual Cool Pants | Size S © L|",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/pa2.png",
},
{
  id: "w",
  name: "HugoMag",
  price: 899,
  desc: "Casual Cool Pants | Size L ©|",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/pa3.png",
},
{
  id: "x",
  name: "Laze Shorts",
  price: 399,
  desc: "Men's Blue casual Shorts | Size S |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/ms1.png",
},
{
  id: "y",
  name: "Laze Shorts Jag",price:
499,
  desc: "Men's Black casual shorts | Size S © L |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/ms2.png",
},
{
  id: "z",
  name: "Laze Shorts",
  price: 399,
  desc: "Men's Blue Casual Shorts | Size © |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/ms3.png",
},

```

```

{
  id: "aa",
  name: "Workee",
  price: 399,
  desc: "White Casual Party shorts | Size S L |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/ms4.png",
},
{
  id: "cc",
  name: "Siril",
  price: 1499,
  desc: "Embellished Daily Wear Cotton Silk Saree (Blue)", img: "https://eva-
fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sr2.jpg",
},
{
  id: "dd",
  name: "3DBuddy Fashion",
  price: 1899,
  desc: "Solid/Plain Daily Wear Lycra Blend Saree",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sr3.jpg",
},
{
  id: "ee",
  name: "OK Kush Trendz",
  price: 1699,
  desc: "Solid/Plain Chanderi Cotton Blend Saree (Red)",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sr4.jpg",
},

```

//Next Products

```

{
  id: "ff",
  name: "OK Kush Trendz",
  price: 1499,
  desc: "Solid/Plain Chanderi Cotton Blend Saree (Purple)", img: "https://eva-
fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/sr5.jpg",
},
{
  id: "hh",
  name: "SumerTex",
  price: 799,
  desc: "Women Fit and Flare Home Dress| Size S © L XXL |",
  img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-

```

```

storage.appdomain.cloud/mo1.png",
    },
    {
        id: "ii",
        name: "Mezzzz",
        price: 999,
        desc: "Women Fit and Flare Black Dress| Size S © L XXL |",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/mo2.png",
    },
    {
        id: "jj",
        name: "Yo Shorts",
        price: 899,
        desc: "Women's Free Style Cotton Shorts",

        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/mo3.jpg",
    },
    {
        id: "nn",
        name: "Weesa Modern",
        price: 749,
        desc: "Modern Free Style Pant| Size S L |",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/mo8.jpg",
    },
    {
        id: "pp",
        name: "TASWE",
        price: 999,
        desc: "Gray Regular fit T-shirt for Woman",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wtee1.jpg",
    },
    {
        id: "qq",
        name: "FEE BEE",
        price: 699,
        desc: "Rich look Casual T-shirt for women's",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wtee2.jpg",
    },
    {
        id: "rr",
        name: "HOOd",
        price: 449,
        desc: "Women's Casual Hoodie| Size © |",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-

```

```

storage.appdomain.cloud/wtee3.jpg",
    },
    {
        id: "ss",
        name: "Labo",
        price: 699,
        desc: "Women's Casual T-shirt| Size © L |",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wtee4.jpg",
    },
    {
        id: "tt",
        name: "Fe-Hale",
        price: 999,
        desc: "Women's Green Casual Cotton T-shirt| Size © |",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wtee5.jpg",
    },
    {
        id: "vv",
        name: "Purp Top",
        price: 899,
        desc: "Women's Casual Modern Top| Size  S © L XXL|",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wtee7.jpg",
    },
    {
        id: "ww",
        name: "Fastrack Carson",price:
        899,
        desc: "Arrow Blk Arrow Boys Mens Wrist Watch For Boys Analog Watch",img:
        "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa1.jpg",
    },
    {
        id: "xx",
        name: "Rolex Zen",
        price: 899,
        desc: "Arrow zds Arrow Boys Mens Wrist Watch For Boys Analog Watch",img:
        "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa2.jpg",
    },
    {
        id: "zz",
        name: "Fastrack zx",
        price: 1399,
        desc: "AM02AME stainless steel watch",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa4.jpg",},{

```

```
id: "aaa", name: "Sonata", price:
1099,
desc: "BT7118 Dial Quartz Mechanism Sports Water Resistant Watch - For

img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object- storage.appdomain.cloud/wa5.jpg",
},
{
    id: "bbb",
    name: "Timexxx",
    price: 999,
    desc: "ER98J00
    stainless Steel watch
    Mens Wrist Watch For
    Boys Analog Watch",
img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa6.jpg",
},
{
    id: "ccc",
    name: "Titan Stone",
    price: 999,
    desc: "LS76556GH Mens Wrist Watch For Boys Analog Watch", img:
    "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa7.jpg",
},
{
    id: "eee",
    name: "Cowboy BIPTO",
    price: 399,
    desc: "Cowboy Style JEAN hat for Men",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp1.jpg",
},
{
    id: "fff",
    name: "Samantha Kiss",
    price: 299,
    desc: "Kids Play hat",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp2.jpg",
},
{
    id: "ggg",
    name: "Winter Huntz",
    price: 399,
    desc: "Men/Women Hot for Winter",
```

```
id: "aaa", name:
"Sonata",price: 1099,
desc: "BT7118 Dial Quartz Mechanism Sports Water Resistant Watch - For

img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object- storage.appdomain.cloud/wa5.jpg",
},
{
    id: "bbb",
    name:"Timex
xx",price:999,
    desc:
    "ER98J00
    stainless Steel
    watch Mens
    Wrist Watch
    For Boys
    Analog
    Watch",
img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa6.jpg",
},
{
    id: "ccc",
    name: "Titan
Stone",price:
    999,
    desc: "LS76556GH Mens Wrist Watch For Boys Analog Watch",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/wa7.jpg",
},
{
    id: "eee",
    name: " Cowboy
BIPTO",price: 399,
    desc: "Cowboy Style JEAN hat for Men",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp1.jpg",
},
{
    id: "fff",
    name: "Samantha
Kiss",price: 299,
    desc: "Kids Play hat",
    img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp2.jpg",
},
{
    id: "ggg",
    name: "Winter
Huntz",price: 399,
    desc: "Men/Women Hot for Winter",
```



```

        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp3.jpg",
    },
    {
        id: "hhh",
        name: "Benz
CasualllY",price:
        399,
        desc: "Men/Women Hot for Winter",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cp4.jpg",
    },
    {
        id: "iii",
        name: "Chevitt",
price: 899,
desc: "Stylish Comfortable Lightweight, Breathable Walking Shoes For

img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-storage.
appdomain.cloud/shoe1.jpg",
    },
    {
        id: "jjj",
        name:
        "Nobellite",
        price: 999,
        desc: "Casual Shoe for Men and Women",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoe2.jpg",
    },
    {
        id: "kkk",
        name:
        "Sneak",
        price:
        799,
        desc: "White Sneaker For Men and Women",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoe3.jpg",
    },
    {
        id: "lll",
        name:
        "LetBoo",
        price:
        1289,
        desc: "Maroon Color Rough Boot for Men",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoe4.jpg",
    },
    {

```

```

        id: "mmm",
        name:
        "Adidass",
        price: 1299,
        desc: "White New Running and Casual Shoe for Men and Women", img:
        "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoe5.jpg",
    },
    {
        id: "nnn",
        name:
        "Shortiee",
        price: 1399,
        desc: "Sport Shoe For Cricket, Hockey Men and Women",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoe6.jpg",
    },
    {
        id: "ooo",
        name:
        "LetBOO", price:
        1199,
        desc: "Rough and Tough trek Shoes for women ",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoes7.jpg",
    },
    {
        id: "ppp", name:
        "LetBOO", price:
        1299,
        desc: "Rough and Tough Trek Shoes for Men",
        img: "https://eva-fashion-imagebucket.s3.jp-tok.cloud-object-
storage.appdomain.cloud/shoes8.jpg",
    },
];

```

## Main.js:

```

let shop = document.getElementById("shop");

let basket = JSON.parse(localStorage.getItem("data")) || [];

let generateShop = () => {
    return (shop.innerHTML = shopItemsData
        .map((x) => {
            let { id, name, price, desc, img } = x;
            let search = basket.find((x) => x.id === id) || []; return `
<div id=product-id-${id} class="item">
    <img width="220" src=${img} alt="">
    <div class="details">
        <h3>${name}</h3>
        <p>${desc}</p>

```

```

    <div class="price-quantity">
      <h2>₹ ${price} </h2>
      <div class="buttons">
        <i onclick="decrement(${id})" class="bi bi-dash-lg"></i>
        <div id=${id} class="quantity">
          ${search.item === undefined ? 0 : search.item}
        </div>
        <i onclick="increment(${id})" class="bi bi-plus-lg"></i>
      </div>
    </div>
  </div>
</div>
`
  );
  })
  .join("");
};

generateShop();

```

```

let increment = (id) => {let
  selectedItem = id;
  let search = basket.find((x) => x.id === selectedItem.id);

  if (search === undefined)
    {basket.push({
      id:
      selectedItem.id,
      item: 1,
    });
  } else {
    search.item
    += 1;
  }

  // console.log(basket); update(selectedItem.id);
  localStorage.setItem("data", JSON.stringify(basket));
};

let decrement = (id) => {let
  selectedItem = id;
  let search = basket.find((x) => x.id === selectedItem.id);

  if (search === undefined) return; else if
  (search.item === 0) return;else {
    search.item -= 1;
  }
  update(selectedItem.id);
  basket = basket.filter((x) => x.item !== 0);
  // console.log(basket);
  localStorage.setItem("data", JSON.stringify(basket));
};

```

```

    let update = (id) => {
let search = basket.find((x) => x.id === id);
// console.log(search.item);
document.getElementById(id).innerHTML = search.item;
calculation();
    };

    let calculation = () => {
let cartIcon = document.getElementById("cartAmount");
cartIcon.innerHTML = basket.map((x) => x.item).reduce((x, y) => x + y, 0);
    };
calculation();

```

## App.py:

```

from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re

app = Flask(name)

app.secret_key = 'a'

conn = ibm_db.connect(
    "DATABASE=bludb;HOSTNAME=b1bc1829-6f45-4cd4-bef4-10cf081900bf.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32304;USERNAME=hgc00903;PASSWORD=UzumT0ZHCXvHur30;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCertGlobalRootCA.crt;", "", "")

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/register', methods=['GET', 'POST'])
def register():
    msg = ""
    if request.method == 'POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)

```

```

    if account:
        msg = 'Account already exists !'
    elif not re.match(r'^@[^@]+\.[^@]+', email):
        msg = 'Invalid email address !'
    elif not re.match(r'[A-Za-z0-9]+', username):
        msg = 'name must contain only characters and numbers !'else:
        insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, username)
        ibm_db.bind_param(prepare_stmt, 2, email)
        ibm_db.bind_param(prepare_stmt, 3,
            password)ibm_db.execute(prepare_stmt)
        msg = 'You have successfully registered !'elif
request.method == 'POST':
    msg = 'Please fill out the form !'
return render_template('register.html', msg=msg)

```

```

@app.route('/login', methods=['GET', 'POST'])def

```

```

login():

```

```

    global userid
    msg = "

```

```

    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =? AND password=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
            session['loggedin'] = True session['id'] =
            account['USERNAME']userid =
            account['USERNAME']
            session['username'] = account['USERNAME']msg
            = 'Logged in successfully !'

            msg = 'Logged in successfully !'
            return render_template('index.html', msg=msg)else:
            msg = 'Incorrect username / password !'return
render_template('login.html', msg=msg)

```

```

if __name__ == '__main__':

```

```

    app.run(host='0.0.0.0')#
    app.run(debug=True)

```

**GITHUB LINK:**

<https://github.com/IBM-EPBL/IBM-Project-8308-1658915154>

**DEMO LINK:**

<https://vimeo.com/773001469>