

IT - ITes SSC  
NASSCOM



# SMART FASHION RECOMMENDER APPLICATION

IBM – DOCUMENTATION

UNDER THE GUIDANCE OF

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<b>S.NO</b>	<b>TABLE OF CONTENT</b>	<b>PG.NO</b>
<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	PROJECT OVERVIEW	<b>1</b>
1.2	PURPOSE	<b>1</b>
<b>2</b>	<b>LITERATURE SURVEY</b>	<b>2</b>
2.1	EXISTING PROBLEM	<b>2</b>
2.2	REFERENCES	<b>3</b>
2.3	PROBLEM STATEMENT DEFINITION	<b>3</b>
<b>3</b>	<b>IDEATION &amp; PROPOSED SOLUTION</b>	<b>4</b>
3.1	EMPATHY MAP CANVAS	<b>4</b>
3.2	IDEATION & BRAINSTORMING	<b>4</b>
3.3	PROPOSED SOLUTION	<b>5</b>
3.4	PROBLEM SOLUTION FIT	<b>6</b>
<b>4</b>	<b>REQUIREMENT ANALYSIS</b>	<b>7</b>
4.1	FUNCTIONAL REQUIREMENT	<b>7</b>
4.2	NON-FUNCTIONAL REQUIREMENT	<b>7</b>
<b>5</b>	<b>PROJECT DESIGN</b>	<b>8</b>
5.1	DATA FLOW DIAGRAM	<b>8</b>
5.2	SOLUTION & TECHNICAL ARCHITECTURE	<b>8</b>
5.3	USER STORIES	<b>9</b>
<b>6</b>	<b>PROJECT PLANNING &amp; SCHEDULING</b>	<b>10</b>
6.1	SPRINT PLANNING & ESTIMATION	<b>10</b>
6.2	SPRINT DELIVERY SCHEDULE	<b>10</b>
6.3	REPORTS FROM JIRA	<b>11</b>
<b>7</b>	<b>CODING &amp; SOLUTIONING</b>	<b>12</b>
7.1	FEATURE 1	<b>12</b>

7.2	FEATURE 2	12
7.3	DATABASE SCHEMA	13
8	TESTING	14
8.1	TEST CASES	14
8.2	USER ACCEPTANCE TESTING	15
9	RESULTS	16
9.1	PERFORMANCE METRICS	16
10	ADVANTAGES & DISADVANTAGES	17
11	CONCLUSION	18
12	FUTURE SCOPE	19
13	APPENDIX	20
13.1	SOURCE CODE	20
13.2	GITHUB & PROJECT DEMO LINK	121

# 1. INTRODUCTION

## 1.1 PROJECT OVERVIEW

Nowadays, fashion applications and e-commerce are growing more and more, and it also has some problems when finding the customer's wanted product in the web applications. Having a chatbot that understands the algorithm of a specific application can be of great aid. We are implementing such a chat bot in a web application, which is fed with the knowledge of the application's algorithm and helps the user completely from finding their needs to processing the payment and initiating delivery. It works as an advanced filter search that can bring the user what they want with the help of pictorial and named representation by getting simple user information and activities. The application also has two main UI interactions: one is the user panel and the other one is the admin panel. Users can interact with the chat bot to search for products, order them from the manufacturer or distributor through chatbot AI, and it can also make payment transactions, track the delivery, and so on. The admin interface enables the user to upload products' details, user details, orders and find how many products have been bought; supervise the stock availability; and interact with the buyer regarding the product reviews.

We have come up with a new innovative solution through which you can directly do your online shopping based on your choice without any search. It can be done by using the chat bot.

In this project you will be working on two modules:

1. Admin and
2. User

Admin:

The role of the admin is to check out the database about the stock and have a track of all the things that the users are purchasing.

User:

The user will login into the website and go through the products available on the website. Instead of navigating to several screens for booking products online, the user can directly talk to Chat bot regarding the products. Get the recommendations based on information provided by the user.

## 1.2 PURPOSE

- a) Using chatbot we can manage user's choices and orders.
- b) The chatbot can give recommendations to the users based on their interests.
- c) It can promote the best deals and offers on that day.
- d) It will store the customer's details and orders in the database.
- e) The chatbot will send a notification to customers if the order is confirmed.
- f) Chatbots can also help in collecting customer feedback.

## **2. LITERATURE SURVEY**

### **2.1 EXISTING PROBLEM**

#### **1. Fashion item representation**

Traditional recommender systems such as Collaborative Filtering or Content-Based Filtering have difficulties in the fashion domain due to the sparsity of purchase data, or the insufficient detail about the visual appearance of the product in category names. Instead, more recent literature has leveraged models that capture a rich representation of fashion items through product images, text descriptions or customer reviews, or videos which are often learned through surrogate tasks like classification or product retrieval. However, learning product representations from such input data requires large datasets to generalize well across different image (or text) styles, attribute variations, etc. Furthermore, constructing a representation that learns which product features customers take most into account when evaluating fashion products is still an open research problem.

#### **2. Fashion item compatibility**

Training a model that is able to predict if two fashion items ‘go together,’ or directly combine several products into an outfit, is a challenging task. Different item compatibility signals studied in recent literature include co-purchase data, outfits composed by professional fashion designers, or combinations found by analyzing what people wear in social media pictures.

#### **3. Personalization and fit**

The best fashion product to recommend depends on factors such as the location where the outfit will be used, the season or occasion, or the cultural and social background of the customer. A challenging task in fashion recommendation systems is how to discover and integrate these disparate factors. Current research often tackles these tasks by utilizing large-scale social media data.

#### **4. Interpretability and explanation**

Most of the existing fashion recommender systems in the literature focus on improving predictive performance, treating the model as a black box. However, deploying accountable and interpretable systems able to explain their recommendations can foster user loyalty in the long term and improve the shopping experience

#### **5. Discovering trends**

Being able to forecast consumer preferences is valuable for fashion designers and retailers in order to optimize product-to-market fit, logistics and advertising.

## 2.2 REFERENCES

### **“A Systematic Study on the Recommender Systems in the E-Commerce”**

Electronic commerce or e-commerce includes the service and good exchange through electronic support like the Internet. It plays a crucial role in today's business and users' experience. Also, e-commerce platforms produce a vast amount of information. So, Recommender Systems (RSs) are a solution to overcome the information overload problem. They provide personalized recommendations to improve user satisfaction. The present article illustrates a comprehensive and Systematic Literature Review (SLR) regarding the papers published in the field of e-commerce recommender systems. We reviewed the selected papers to identify the gaps and significant issues of the RSs' traditional methods, which guide the researchers to do future work. So, we provided the traditional techniques, challenges, and open issues concerning traditional methods of the field of review based on the selected papers. This review includes five categories of the RSs' algorithms, including Content-Based Filtering (CBF), Collaborative Filtering (CF), Demographic-Based Filtering (DBF), hybrid filtering, and Knowledge-Based Filtering (KBF).

## 2.3 PROBLEM STATEMENT DEFINITION

Problem Statement 1:

The User Needs a way to Find Trending Fashion Clothes so that Here find the All Collections

Problem Statement 2:

The User Needs a way to Find Offers and Discounts so that Here User easy to find Daily Offers

Problem Statement 3:

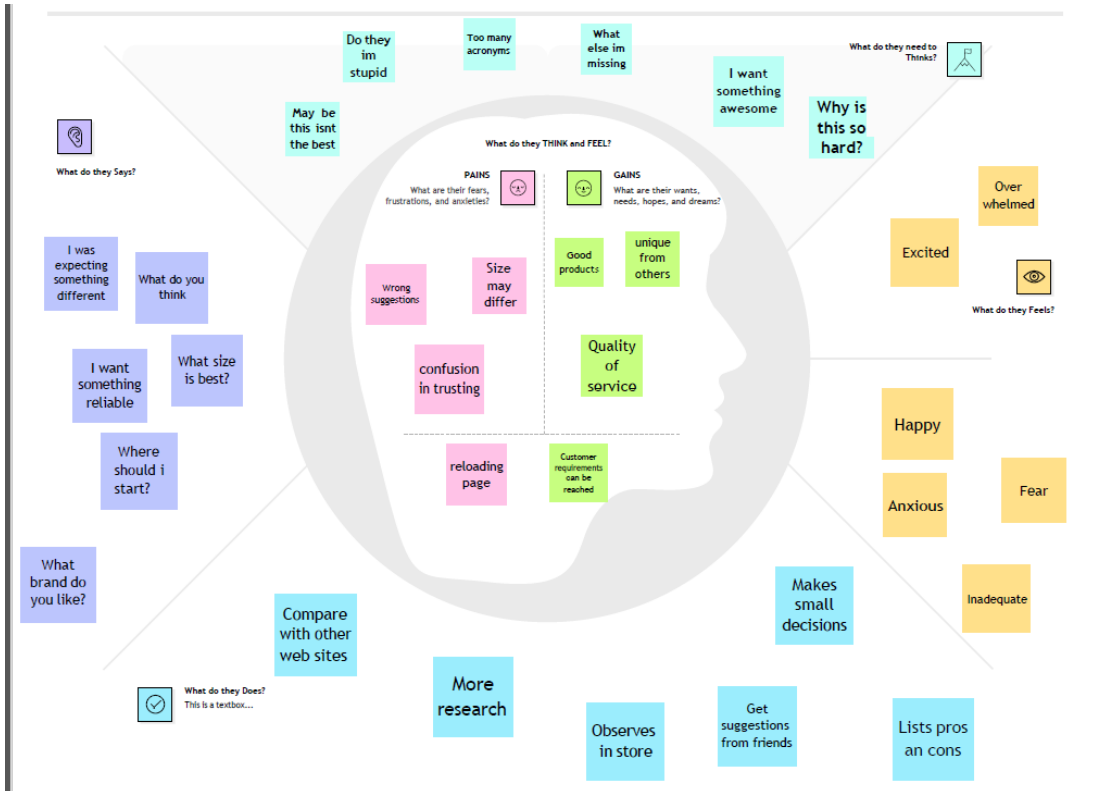
The User Needs a way to Assistant for finding Clothes so that Here User got the Chat Bot assistant

Problem Statement 4:

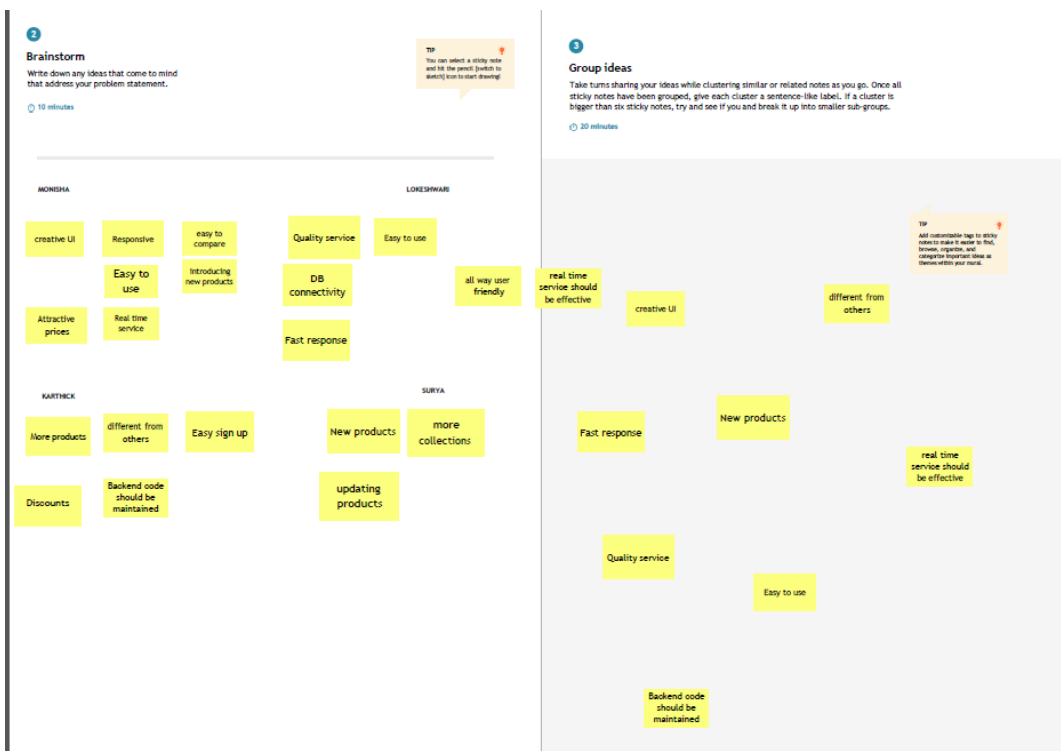
The Sellers Needs a way to struggling to sells products offline so that Here Sellers will Sell Products via our application.

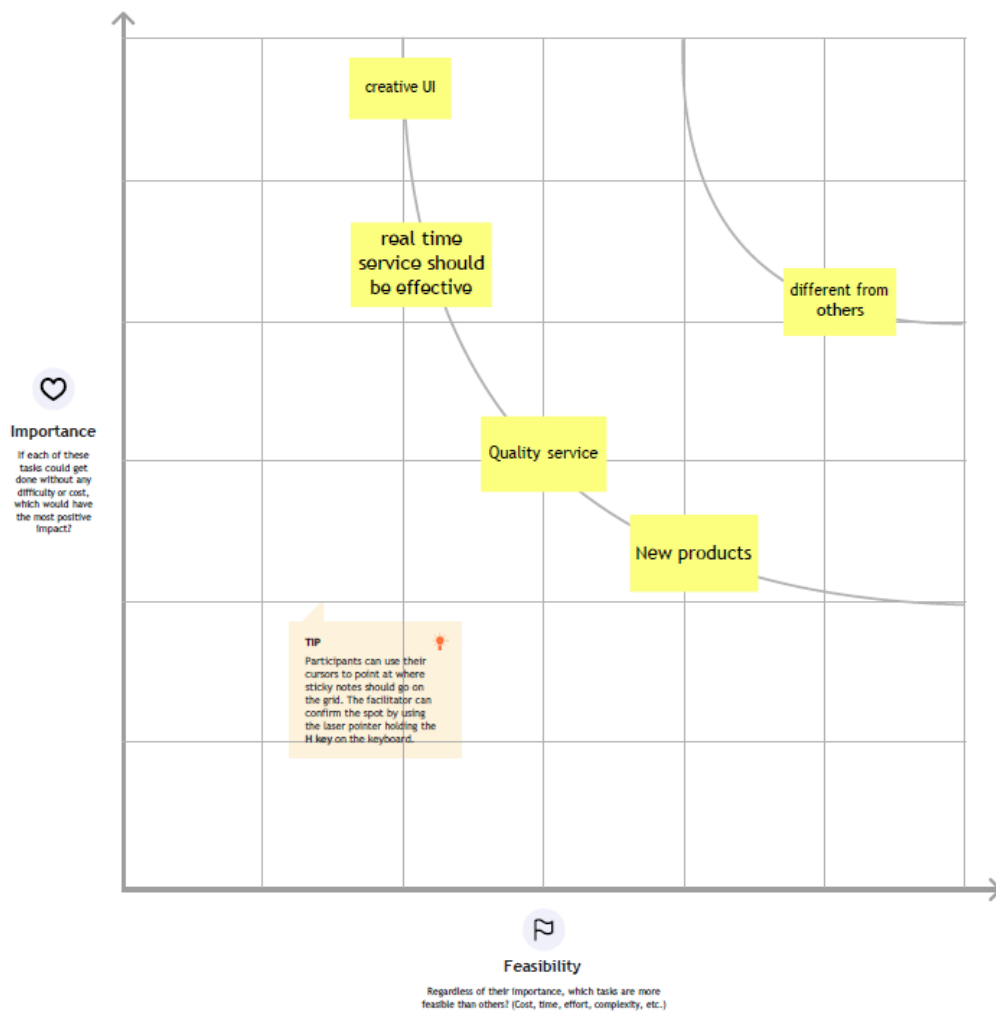
### 3. IDEATION & PROPOSED SOLUTION

#### 3.1 EMPATHY MAP CANVAS



#### 3.2 IDEATION & BRAINSTORMING







### 3.2 PROPOSED SOLUTION

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Customers feels difficult when Search many websites to find Fashion clothes and accessories.
2.	Idea / Solution description	Customers directly make online shopping based on customer choice without any search.
3.	Novelty / Uniqueness	The customer will talk to Chat Bot regarding the Products. Get the recommendations based on information provided by the user
4.	Social Impact / Customer Satisfaction	The user friendly interface, Assistants form chat bot finding dress makes customer satisfied.
5.	Business Model (Revenue Model)	The chat bot sells our Products to customer. Customers buy our products and generate revenue
6.	Scalability of the Solution	We can easily scalable our Applications by increases the items and products

### 3.3 PROBLEM SOLUTION FIT

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Retailers and wholesalers	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> <small>EG. BUDGET, DEVICES</small> Customer can buy more and quality products. And they can from any where. But they can use our website if they were signup	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <small>PROS &amp; CONS</small> We are providing good shopping experience in our website.	Explore AS, differentiate
	<b>2. PROBLEMS / PAINS + ITS FREQUENCY</b> <span>PR</span> May be difficult in accessing location at unknown places	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> There is no advance technology to access location at forests etc simply unknown areas	<b>7. BEHAVIOR + ITS INTENSITY</b> <span>BE</span> But it can greatly works at rural and urban areas. and good shopping experience	
Identify strong TR & EM	<b>3. TRIGGERS TO ACT</b> <span>TR</span> New recommendations and more lists	<b>10. YOUR SOLUTION</b> <span>SL</span> Use this webapplication in incognito mode may be ut create friendly environment.	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> ONLINE It can work as usual	Extract online & offline CH of BE
	<b>4. EMOTIONS BEFORE / AFTER</b> <span>EM</span> Slightly disappointed by server connection .		OFFLINE It wont works because it is web application	

## 4. REQUIREMENT ANALYSIS

### 4.1 FUNCTIONAL REQUIREMENTS

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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Third party integration	Indicate which third-party software you want to add to your new website.
FR-4	Mobile friendliness	the number of customer conversions on mobile devices has also reached those on desktops
FR-5	Product attributes	Product Images on the product detail page should have the option to zoom in.
FR-6	Order and checkout flow	After the customer is registered on the website, they should receive one extra year of warranty on the purchased order.

## 4.2 NON-FUNCTIONAL REQUIREMENTS

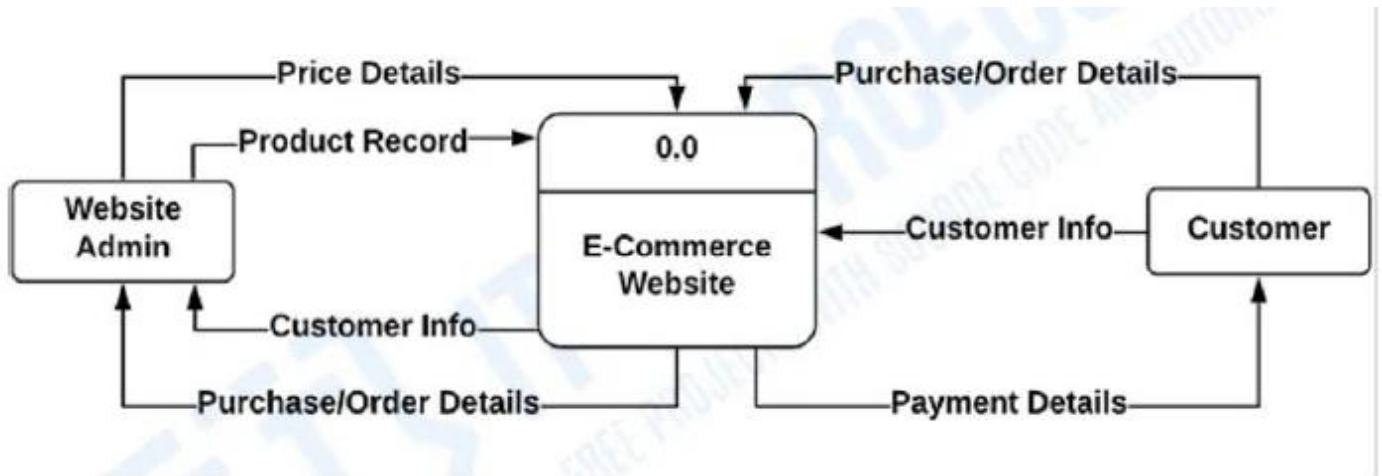
Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	A lot of websites split their content between multiple pages, and enable users to navigate between them using menus. It might sound obvious that you should make navigating your site easy, but some sites sacrifice clear navigation schemes in exchange for flashy designs.
NFR-2	Security	This website provides privacy and security of communication done over the web. This is especially important if you want you want to sell products or services on your site
NFR-3	Reliability	Optimized for mobile,easy to use,fresh quality and content,well designed,optimized for search and social web.
NFR-4	Performance	Enable keep alive on our website,image optimization,prefetching and reconnecting,web font performance.
NFR-5	Availability	Search bar,logo,navigation bar,description,images,internal links
NFR-6	Scalability	database may have an enormous data volume and load a separate server, it also needs scaling. It can be supported by implementing the distribution of computing processes and indexes.

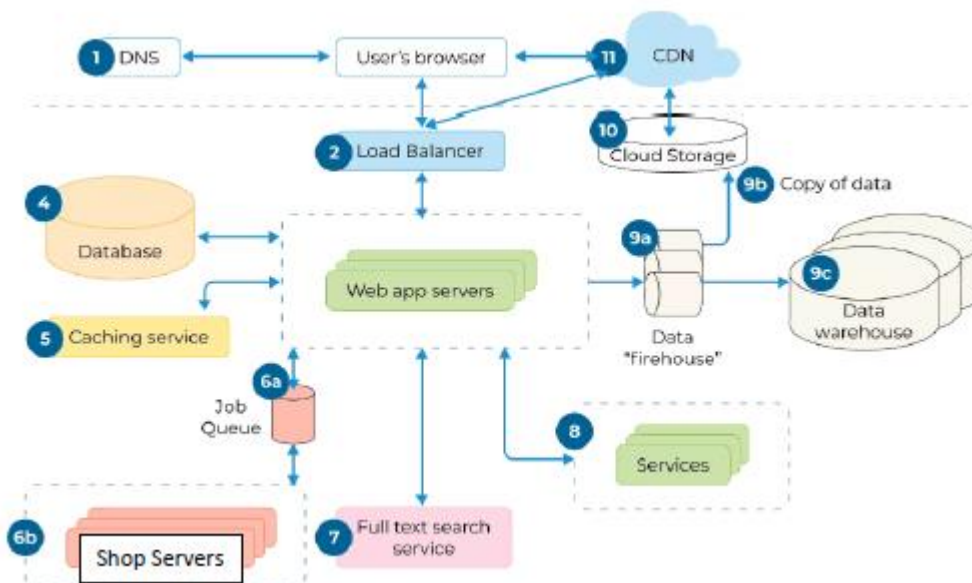
## 5. PROJECT DESIGN

### 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 depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



### 5.2 SOLUTION & TECHNICAL ARCHITECTURE



## 5.3 USER STORIES

### 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	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my data by login	High	Sprint-1
	Dashboard	USN-6	As a user , I can view the dashboard and by products		High	Sprint -2
Customer (Web user)	Registration / Login	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard		Sprint -1
Customer Care Executive	Contact with Customers	USN-8	As a Customer customers care executive, I solve the customer Requirements and feedback	I can receive calls from customers	High	Sprint-1
Administrator	Check stock and Price , orders	USN_9	As a Administrator , I can Check the database And stock details and buying and selling prices	I am the administrator of the company	High	Sprint -2

## 6. PROJECT PLANNING & SCHEDULING

### 6.1 SPRINT PLANNING & ESTIMATION

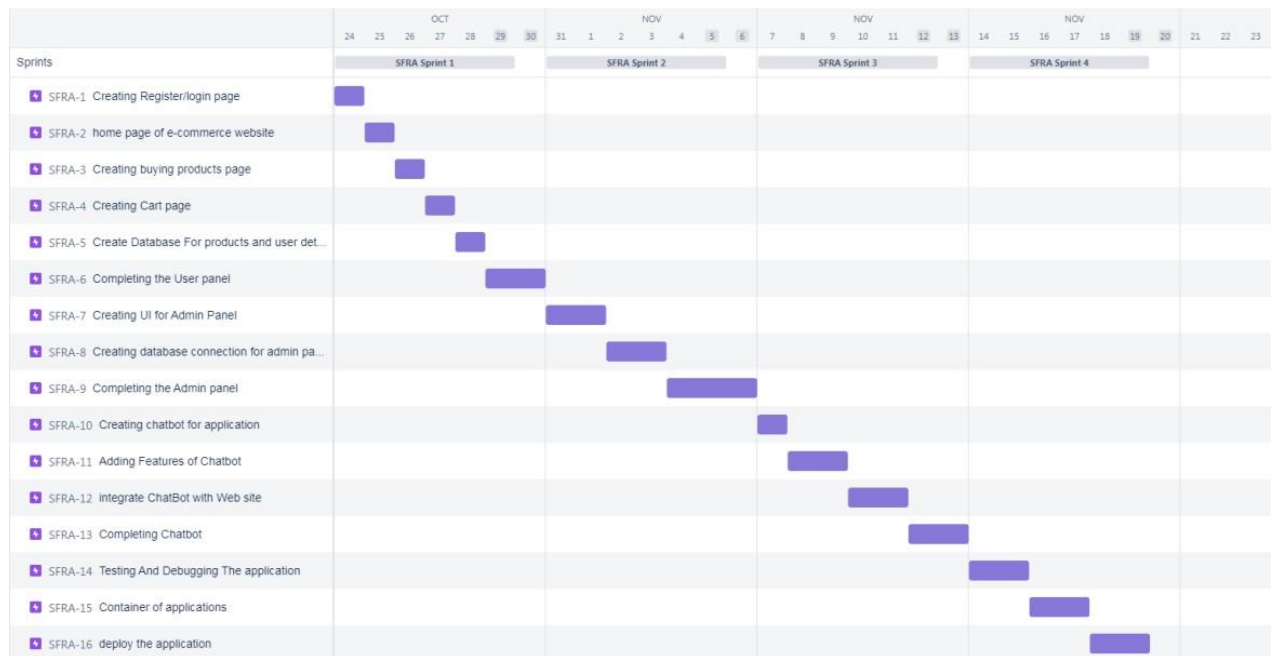
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	High	Monishankari, Karthick,Surya,Lokeshhwari
Sprint-2	Login	USN-2	As a user, I can log into application by entering email & password	1	High	Monishankari, Karthick,Surya,Lokeshhwari
Sprint-3	Dashboard	USN-3	As a user I can navigate into various pages in the application	2	Low	Monishankari, Karthick,Surya,Lokeshhwari
Sprint-4	WATSON assistant	USN-4	As a user, I can take help from watson assistant to find my desired need	2	Medium	Monishankari, Karthick,Surya,Lokeshhwari
Sprint-4		USN-5	As a user,I can share the products by URL links and I can also logout from my profile .	1	Low	Monishankari, Karthick,Surya,Lokeshhwari

### 6.2 SPRINT DELIEVERY SCHEDULE

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

## 6.3 REPORTS FROM JIRA

**Burndown Chart:**



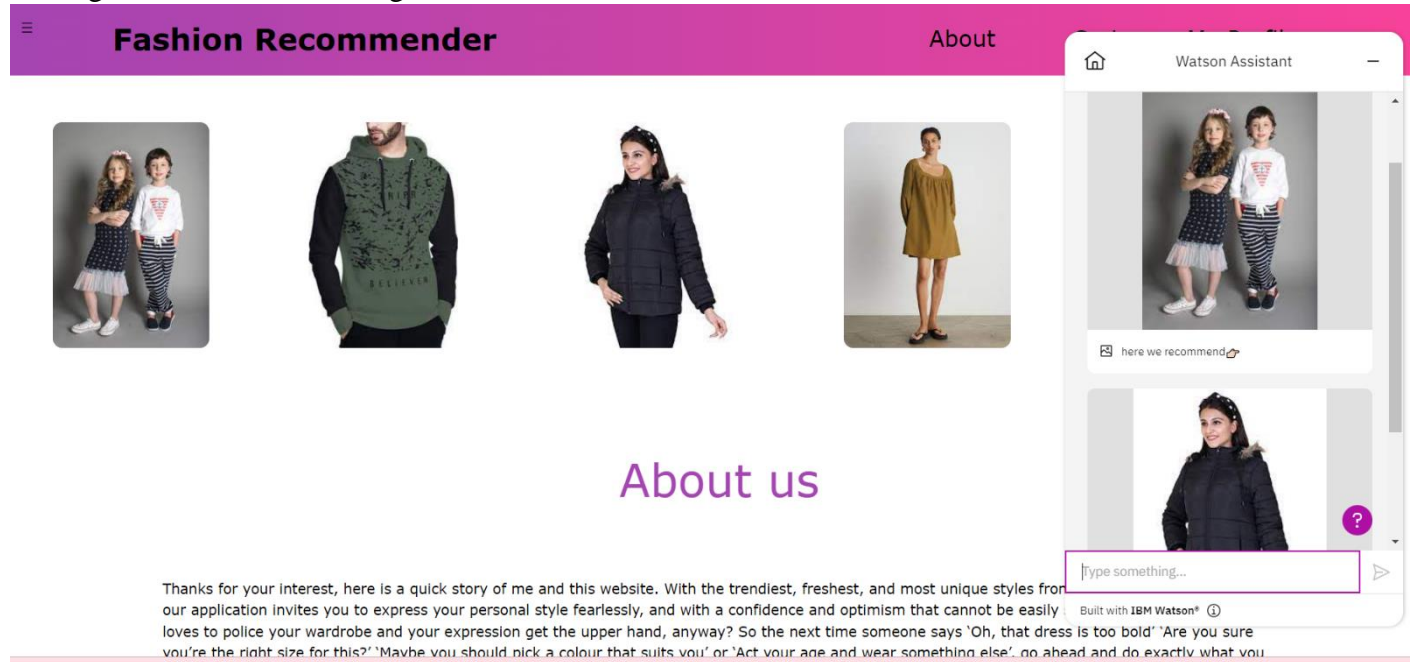


7.

## CODING & SOLUTIONING

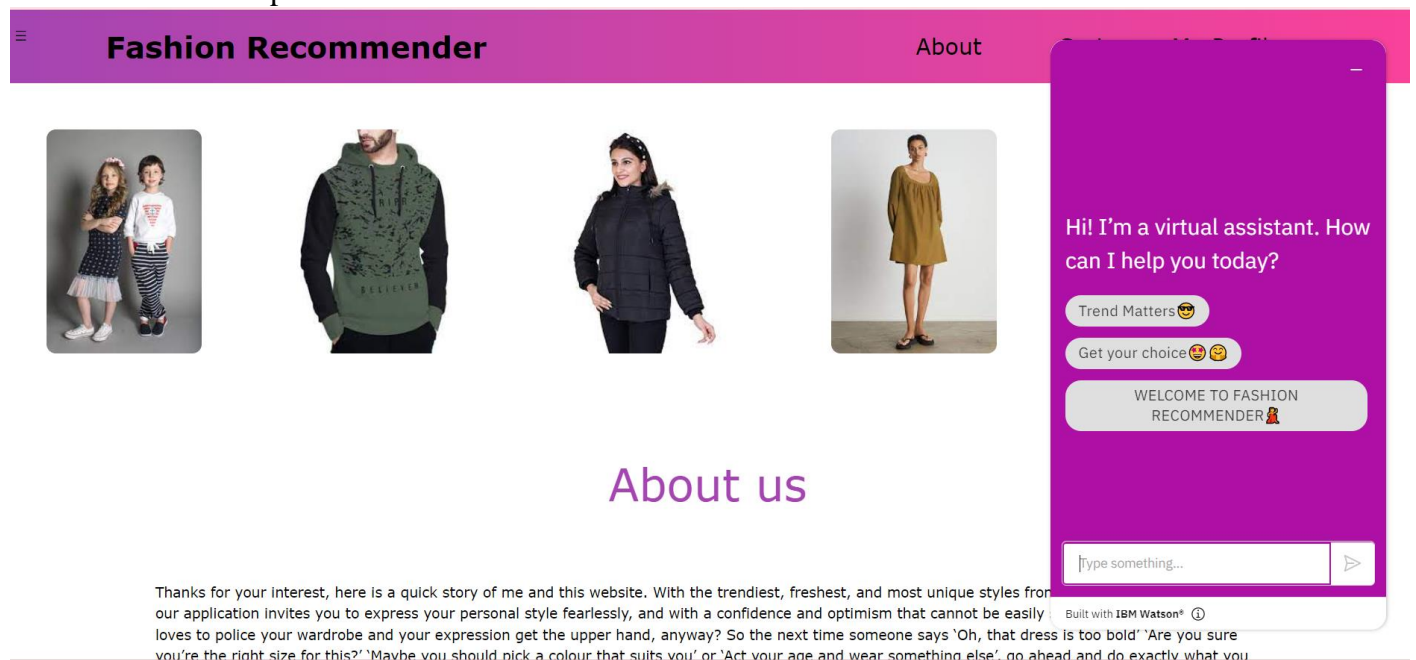
### 7.1 FEATURE 1

Using chat bot we can manage user's choices and orders.



### 7.2 FEATURE 2

Chat Bot various options.



## 7.3 DATABASE SCHEMA

The screenshot displays the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. Below the navigation bar, there is a search bar labeled 'Find schemas or tables' and a 'Refresh' button. The main content area is divided into two panels: 'Schemas' and 'Tables'.

**Schemas Panel:**

<input checked="" type="checkbox"/>	Name	Type	Tables
<input checked="" type="checkbox"/>	DTP46044	User	5

Total: 1, selected: 1

**Tables Panel:**

<input type="checkbox"/>	Name	Schema	Properties
<input type="checkbox"/>	ORDERS	DTP46044	...
<input type="checkbox"/>	PRODUCTS	DTP46044	...
<input type="checkbox"/>	PRODUCT_LEVEL	DTP46044	...
<input type="checkbox"/>	PRODUCT_VIEW	DTP46044	...
<input type="checkbox"/>	USERS	DTP46044	...

Total: 5, selected: 0

The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 19:15 on 18-11-2022.

## 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
Print Engine	7	0	0	7
Client Application	51	0	0	51
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	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).

### Defect 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	10	4	2	3	20
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	24	14	13	26	77

## 9. RESULT

### 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/Volumem Changes	Risk Score	Justification
1	Smart Fashion Recommender Application	New	Low	No Changes	Moderate		>\$ to 10%	ORANGE	As we have seen the changes

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	vikparameshwaran

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)
1	Smart Fashion Recommender Application	Manuale		Worked as we expected		Use Laptop / desktop Mode	No Defects
							Vikparameshwaran

## **10. ADVANTAGES & DISADVANTAGES**

### **ADVANTAGES:**

- Its helps to user Shopping with Assistant
- Its helps to user manage there order list
- Its helps to user shopping at home

### **DISADVANTAGES:**

- User have fear about online shopping
- User have sometimes received wrong items
- User have fear about online payment

## 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 color, 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.

## **12. FUTURE SCOPE**

There has been significant progress recently in fashion recommendation system research, which will benefit both consumers and retailers soon. The use of product and user images, textual content, demographic history, and cultural information is crucial in developing recommendation frameworks. Product attributes and clothing style matching are common features of collaborative and content-based filtering techniques. Researchers can develop more sophisticated hyper personalized filtering techniques considering the correlation between consumers' clothing styles and personalities. The methods based on employing a scoring system for quantifying each product attribute will be helpful in increasing the precision of the model. The use of virtual sales advisers in an online shopping portal would provide consumers with a real time offline shopping experience. Retailers can collect the data on users' purchase history and product reviews from the recommendation system and subsequently use them in style prediction for the upcoming seasons. The integration of different domain information strengthens the deep learning paradigm by enabling the detection of design component variation, which improves the performance of the recommendation system in the long run. Deep learning approaches should be more frequently used to quickly explore fashion items from different online databases to provide prompt recommendations to users or consumers.



## 13. APPENDIX

### 13.1 SOURCE CODE

#### App.py

```
from
flask
import
Flask,
render_te
mplate,
request,
session

# import bcrypt
# import ibm_db
# conn = ibm_db.connect("DATABASE=bulddb;HOSTNAME=21fecfd8-47b7-4937-840d-
d791d0218660.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31864;USERNAME=#;PASSW
ORD=#;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCertGlobalRootCA.crt;", "", "")
app = Flask(__name__)

@app.route("/", methods=['GET'])
def home():
    # if 'email' not in session:
    return render_template('home.html', name='Home')

@app.route("/home", methods=['GET', 'POST'])
def signup():
    # if request.method == 'POST':
    #     email = request.form['Email Address']
    #     password = request.form['Password']
    #     password = request.form['Confirm Password']
    #     if not email or not password:
    #         return render_template('home.html')
    #     hash = bcrypt.hashpw(password.encode('utf-8'), bcrypt.gensalt())
    #     query = "SELECT * FROM USERS WHERE email=? OR password=?"
    #     stmt = ibm_db.prepare(conn, query)
    #     ibm_db.bind_param(stmt, 1, email)
    #     ibm_db.bind_param(stmt, 2, password)
```

```

#     ibm_db.execute(stmt)
#     isUser = ibm_db.fetch_assoc(stmt)

#     if not isUser:
#         insert_sql = "INSERT INTO User(,email,PASSWORD,) VALUES (?,?,)"
#         prep_stmt = ibm_db.prepare(conn, insert_sql)
#         ibm_db.bind_param(prepare_stmt, 1, email)
#         ibm_db.bind_param(prepare_stmt, 2, password)
#         ibm_db.execute(prepare_stmt)
    return render_template('editportfolio.html')

# @app.route("/home",methods=['GET','POST'])
# def login():
#     if request.method == 'POST':
#         email = request.form['email']
#         password = request.form['password']

#         if not email or not password:
#             return render_template('home.html')
#         query = "SELECT * FROM USERS WHERE email=?"
#         stmt = ibm_db.prepare(conn, query)
#         ibm_db.bind_param(stmt, 1, email)
#         ibm_db.execute(stmt)
#         isUsers = ibm_db.fetch_assoc(stmt)
#         print(isUsers, password)
#         if not isUsers:
#             return render_template('home.html')
#         isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),
isUsers['PASSWORD'].encode('utf-8'))
#         if not isPasswordMatch:
#             return render_template('home.html')
#         session['email'] = isUsers['EMAIL']

#         return render_template('home.html')

```

```
if __name__ == '__main__':  
    app.run()
```

## Home.Html

```
<!DOCTYPE  
html>  
  
<!-- Created By CodingNepal -->  
<html lang="en" dir="ltr">  
  
    <head>  
        <meta charset="utf-8">  
        <title>Login and Registration Form in HTML | CodingNepal</title>  
        <style>  
            * {  
                margin: 0;  
                padding: 0;  
                box-sizing: border-box;  
                font-family: 'Poppins', sans-serif;  
            }  
  
            html,  
            body {  
                display: grid;  
                height: 100%;  
                width: 100%;  
                place-items: center;  
                background: -webkit-linear-gradient(left, #a445b2, #fa4299);  
            }  
  
            ::selection {  
                background: #fa4299;  
                color: #fff;  
            }  
  
            .wrapper {  
                overflow: hidden;  
                max-width: 390px;
```

```
background: #fff;
padding: 50px;
border-radius: 10px;
box-shadow: 0px 15px 20px rgba(0, 0, 0, 0.1);
}
```

```
.wrapper .title-text {
  display: flex;
  width: 200%;
}
```

```
.wrapper .title {
  width: 50%;
  font-size: 35px;
  font-weight: 600;
  text-align: center;
  transition: all 0.6s cubic-bezier(0.68, -0.55, 0.265, 1.55);
}
```

```
.wrapper .slide-controls {
  position: relative;
  display: flex;
  height: 50px;
  width: 100%;
  overflow: hidden;
  margin: 30px 0 10px 0;
  justify-content: space-between;
  border: 1px solid lightgrey;
  border-radius: 5px;
}
```

```
.slide-controls .slide {
  height: 100%;
  width: 100%;
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  text-align: center;
  line-height: 48px;
```

```

        cursor: pointer;
        z-index: 1;
        transition: all 0.6s ease;
    }

.slide-controls label.signup {
    color: #000;
}

.slide-controls .slider-tab {
    position: absolute;
    height: 100%;
    width: 50%;
    left: 0;
    z-index: 0;
    border-radius: 5px;
    background: -webkit-linear-gradient(left, #a445b2, #fa4299);
    transition: all 0.6s cubic-bezier(0.68, -0.55, 0.265, 1.55);
}

input[type="radio"] {
    display: none;
}

#signup:checked~.slider-tab {
    left: 50%;
}

#signup:checked~label.signup {
    color: #fff;
    cursor: default;
    user-select: none;
}

#signup:checked~label.login {
    color: #000;
}

```

```
#login:checked~label.signup {  
  color: #000;  
}
```

```
#login:checked~label.login {  
  cursor: default;  
  user-select: none;  
}
```

```
.wrapper .form-container {  
  width: 100%;  
  overflow: hidden;  
}
```

```
.form-container .form-inner {  
  display: flex;  
  width: 200%;  
}
```

```
.form-container .form-inner form {  
  width: 50%;  
  transition: all 0.6s cubic-bezier(0.68, -0.55, 0.265, 1.55);  
}
```

```
.form-inner form .field {  
  height: 50px;  
  width: 100%;  
  margin-top: 20px;  
}
```

```
.form-inner form .field input {  
  height: 100%;  
  width: 100%;  
  outline: none;  
  padding-left: 15px;  
  border-radius: 5px;  
  border: 1px solid lightgrey;
```

```

border-bottom-width: 2px;
font-size: 17px;
transition: all 0.3s ease;
}

.form-inner form .field input:focus {
border-color: #fc83bb;
/* box-shadow: inset 0 0 3px #fb6aae; */
}

.form-inner form .field input::placeholder {
color: #999;
transition: all 0.3s ease;
}

form .field input:focus::placeholder {
color: #b3b3b3;
}

.form-inner form .pass-link {
margin-top: 5px;
}

.form-inner form .signup-link {
text-align: center;
margin-top: 30px;
}

.form-inner form .pass-link a,
.form-inner form .signup-link a {
color: #fa4299;
text-decoration: none;
}

.form-inner form .pass-link a:hover,
.form-inner form .signup-link a:hover {
text-decoration: underline;
}

```

```
}
```

```
form .btn {  
  height: 50px;  
  width: 100%;  
  border-radius: 5px;  
  position: relative;  
  overflow: hidden;  
}
```

```
form .btn .btn-layer {  
  height: 100%;  
  width: 300%;  
  position: absolute;  
  left: -100%;  
  border-radius: 5px;  
  transition: all 0.4s ease;  
}
```

```
-webkit-linear-gradient {  
  
  right: #a445b2, #fa4299, #a445b2, #fa4299  
}
```

```
form .btn:hover .btn-layer {  
  left: 0;  
}
```

```
form .btn input[type="submit"] {  
  height: 150%;  
  width: 100%;  
  z-index: 1;  
  position: relative;  
  background: none;  
  border: none;  
  color: #fff;
```



```

padding-left: 0;
border-radius: 5px;
font-size: 20px;
font-weight: 500;
cursor: pointer;
}
</style>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>

<body>
<div class="wrapper">
  <div class="title-text">
    <div class="title login" onclick="onLogin()">
      Login Form
    </div>
    <div class="title signup">

      Signup Form
    </div>
  </div>
  <div class="form-container">
    <div class="slide-controls">
      <input type="radio" name="slide" id="login" checked>
      <input type="radio" name="slide" id="signup">
      <label for="login" class="slide login">Login</label>
      <label for="signup" class="slide signup">Signup</label>
      <div class="slider-tab"></div>
    </div>
    <div class="form-inner">
      <form action="/home" class="login" method="POST">
        <div class="field">
          <input type="text" name="name" id="name" placeholder="Email Address"
required>
        </div>
        <div class="field">
          <input type="password" placeholder="Password" required>
        </div>
        <div class="pass-link">
          <a href="#">Forgot password?</a>

```

```

    </div>
    <div class="field btn">
      <div class="btn-layer"></div>
      <button class="btn"
        style=" background: -webkit-linear-gradient(left, #a445b2, #fa4299);
width:370px;height:30px"
        type="submit" value="submit">submit</button>
    </div>

    <div class="signup-link">
      Not a member? <a href="">Signup now</a>
    </div>
  </form>
  <form action="#" class="signup">
    <div class="field">
      <input type="text" placeholder="Email Address" required>
    </div>
    <div class="field">
      <input type="password" placeholder="Password" required>
    </div>
    <div class="field">
      <input type="password" placeholder="Confirm password" required>
    </div>
    <div class="field btn">
      <div class="btn-layer"></div>
      <form action="/fun">
        <button class="btn"
          style=" background: -webkit-linear-gradient(left, #a445b2, #fa4299);
width:370px;height:30px"
          type="submit" value="Login">Submit</button>

      </div>

    </div>

  </div>
</form>
</div>
</div>
</div>
<script>
  const loginText = document.querySelector(".title-text .login");
  const loginForm = document.querySelector("form.login");

```

```

const loginBtn = document.querySelector("label.login");
const signupBtn = document.querySelector("label.signup");
const signupLink = document.querySelector("form .signup-link a");
signupBtn.onclick = (() => {
    loginForm.style.marginLeft = "-50%";
    loginText.style.marginLeft = "-50%";
});
loginBtn.onclick = (() => {
    loginForm.style.marginLeft = "0%";
    loginText.style.marginLeft = "0%";
});
signupLink.onclick = (() => {
    signupBtn.click();
    return false;
});
</script>
</body>

```

```

</html>

```

## Editportfolio.html

```

<!DOCTYPE
html>

```

```

<html lang="en">

```

```

<head>

```

```

<meta charset="UTF-8">

```

```

<meta name="viewport" content=

```

```

"width=device-width, initial-scale=1.0">

```

```

<title>HTML Project</title>

```

```

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

```

```

<link

```

```

rel="stylesheet"

```

```

href="https://fonts.googleapis.com/css?family=Karma">

```

```

<style>

```

```

body,h1,h2,h3,h4,h5,h6 {font-family: "Karma", sans-serif}

```

```

.w3-bar-block .w3-bar-item {padding:10px}

```

```

img {

```

```

height: 240px;

```

```

border-radius: 10px;
margin: 50px;

}
</style>
</head>

<body>

<nav class="w3-sidebar w3-bar-block w3-card w3-top w3-xlarge w3-animate-
left" style="display:none;z-index:2;width:20%;min-width:300px"
id="mySidebar">
<a href= "javascript:void(0)" onclick="w3_close()"

class="w3-bar-item w3-button">Close Menu</a>
<a href="#Men" onclick="w3_close()" class="w3-bar-item w3-button">Men</a>
<a href="#Women" onclick="w3_close()" class="w3-bar-item w3-
button">Women</a>
<a href="#kids" onclick="w3_close()" class="w3-bar-item w3-
button">kids</a>

</nav>
<!--Header(start)-->
<table id="header" border="0" width="100%" style=" background: -webkit-
linear-gradient(left, #a445b2, #fa4299);width: 100%"
cellpadding="0" cellspacing="0" >
<tr>
<td>
<table border="0" cellpadding="15"
cellspacing="0" width="90%" align="center">
<tr>
<div class="w3-button w3-padding-16 w3-left" onclick="w3_open()">≡</div>

```

```
<td>
<font face="Verdana" size="6">
<b>Fashion Recommender</b>
</font>
</td>
```

```
<td width="15%">
```

```
</td>
```

```
<td>
<a href="#about" style="text-decoration:none">
<font face="Verdana" size="5" color=black>
About
</font>
</a>
</td>
```

```
<td>
<a href="#Cart" style="text-decoration:none">
<font face="Verdana" size="5" color=black>
Cart
</font>
</a>
</td>
```

```
<td>
<a href="#Account" style="text-decoration:none">
<font face="Verdana" size="5" color=black>
My Profile
</font>
</a>
```

</td>

</table>

</td>

</tr>

</table>

<!--Header(end)-->

<!--Home(start)-->

<!--Home(end)-->

<div>











</div>

<!--About(start)-->

<table id="about" border="0" width="100%" cellpadding="0" cellspacing="0" background="white">

<tr>

<td>

<table border="0" cellpadding="15" cellspacing="0" width="80%" align="center">

<tr>

<td height="180" align="center"

```
valign="middle" colspan="2">
<font face="Verdana" size="7"
color="#a445b2">
About us
</font>
```

```
</td>
</tr>
```

```
<td width="20%">
```

```
<style>body{font-family:verdana,sans-serif;
size:15px;
color:black}</style>
```

```
<body>
```

```
Thanks for your interest, here
is a quick story of me and this
website.
```

```
<p1 font-color="black">
```

```
With the trendiest, freshest, and most unique styles from across India and
the world, our application invites you to express your personal style
fearlessly, and with a confidence and optimism that cannot be easily
shaken.
```

```
</p1>
```

```
<p2 color="black">
```

```
Why let a world that loves to police your wardrobe and your expression get
the upper hand, anyway?
```

```
So the next time someone says ‘Oh, that dress is too bold’ ‘Are you sure
you’re the right size for this?’ ‘Maybe you should pick a colour that suits
you’ or ‘Act your age and wear something else’, go ahead and do exactly
```

what you please. When it comes to great style and personal expression,  
there should never be any regrets.

</p2>

</body>

</td>

</table>

</td>

</tr>

</table>

<!--About(end)-->

<script>

```
window.watsonAssistantChatOptions = {
  integrationID: "77f9304d-e8a0-4001-8086-7e37e4c543de", // The ID of this
  integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "0898d1e4-60e2-45bc-817c-4c6919ba755e", // 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>
```

<script>

// Script to open and close sidebar

```
function w3_open() {
  document.getElementById("mySidebar").style.display = "block";
}
```



```
function w3_close() {  
document.getElementById("mySidebar").style.display = "none";  
}  
</script>
```

```
</body>
```

```
</html>
```

## 13.2 GITHUB & PROJECT DEMO LINK

- Our GitHub Repository Direct Link  
<https://github.com/IBM-EPBL/IBM-Project-53635-1661428177.git>
- Project Demonstration Video Direct Link