

SMART FASHION RECOMMENDER APPLICATION

PROJECT REPORT

Submitted by

Team members:

Pavithra T (913119104067)

Sangeetha T (913119104084)

Sri Gayathiri S (913119104103)

Yuva Ishwarya P (913119104123)

Team ID: PNT2022TMID23050

In partial fulfillment for the award of degree of Bachelor of Engineering (B.E) in Computer Science and Engineering (CSE).

Velammal College of Engineering and Technology

ANNA UNIVERSITY NOVEMBER 2022

CONTENTS

1. INTRODUCTION

- 1.1 Project Overview
- 1.2 Purpose

2. LITERATURE SURVEY

- 2.1 Existing problem
- 2.2 References
- 2.3 Problem Statement Definition

3. IDEATION & PROPOSED SOLUTION

- 3.1 Empathy Map Canvas
- 3.2 Ideation & Brainstorming
- 3.3 Proposed Solution
- 3.4 Problem Solution fit

4. REQUIREMENT ANALYSIS

- 4.1 Functional requirement
- 4.2 Non-Functional requirements

5. PROJECT DESIGN

- 5.1 Data Flow Diagrams
- 5.2 Solution & Technical Architecture
- 5.3 User Stories

6. PROJECT PLANNING & SCHEDULING

- 6.1 Sprint Planning & Estimation
- 6.2 Sprint Delivery Schedule
- 6.3 Reports from JIRA

7. CODING & SOLUTIONING (Explain the features added in the project along with code)

- 7.1 Feature 1
- 7.2 Feature 2
- 7.3 Database Schema (if Applicable)

8. TESTING

8.1 Test Cases

8.2 User Acceptance Testing

9. RESULTS

9.1 Performance Metrics

10. ADVANTAGES & DISADVANTAGES

11. CONCLUSION

12. FUTURE SCOPE

13. APPENDIX

Source Code

Github & Project Demo Link

Project Report Format

1.INTRODUCTION

1.1Project Overview

In our project the user can directly do the online shopping based on the choice without any search. It can be done by using the chatbot. Typically it will recommend new products to users according to the individual browsing records. Content-Based Filtering (CBF) can attain the specific interest of a user and make recommendations accordingly.

1.2Purpose

Searching a product makes the customer frustrated if they don't get their required product. This leads to losing of customer. Customer may not find their suitable product by simply searching. These factors leads to less customer satisfaction. Further lack of interaction and personalization is the main cause for customer unsatisfaction. Some other issues like missing or unclear product information. Having a poor onsite search engine leads to showing unrelated products.

2.LITERATURE SURVEY

2.1Existing problem

In case of offline shopping, sales assistants shower personal attention on customers and give complete details on the product. If you have any queries, you can ask right there. But, this does not happen in the case of online shopping. All you can do is see the picture and read the description. Some portals allow shoppers check the customer reviews.

The customer cannot get the benefit of clearing doubts about the product which has to be purchased in online shopping. And also they don't get what they needed, its very tough for them to find the products based on their requirements.

2.2 References

1.NAME OF THE PAPER:

Recommendation system development for fashion retail e-commerce

NAME OF THE AUTHOR:

Hyunwoo Hwangbo, Yangsok Kim, Kyung-jin Cha

JOURNAL PUBLISHED:

ICCSA 2022: 22nd International Conference

MONTH AND YEAR:

19 April 2022

OBJECTIVE:

To recommend the products to the customers by the following categories,

1)Fashion products are usually seasonal, so the customer preference changes from time to time.

2)Customers usually purchase items to replace previously purchased products.

2.NAME OF THE PAPER:

An intelligent personalized fashion recommendation system

NAME OF THE AUTHOR:

Qingqing Tu, Le Dong

JOURNAL PUBLISHED:

ICCSA 2022: 22nd International Conference

MONTH AND YEAR:

July 2010

OBJECTIVE:

It helps the customer to find the current fashion trends and it also help the clients to find the most favourable fashion factor in trend and also a straight forward approach is used to analysis the main color tone of the skin and the clothes.

3.NAME OF THE PAPER:

An intelligent recommender system for personalized fashion design

NAME OF THE AUTHOR:

X.Zeng, L.Koehl, L.Wang, Y.Chen

JOURNAL PUBLISHED:

2013 Joint IFSA World Congress and NAFIPS Annual Meeting

MONTH AND YEAR:

June 2013

OBJECTIVE:

To evaluate a set of new design styles for a specific garment customer and a desired fashion themes.

4.NAME OF THE PAPER:

Intelligent Fashion Recommender System:Fuzzy Logic in Personalized Garment Design

NAME OF THE AUTHOR:

L.C.Wang, X.Y.Zeng, L.Koehl, Y.Chen

JOURNAL PUBLISHED:

IEEE Transactions on Human-Machine Systems

MONTH AND YEAR:

November 2014

OBJECTIVE:

It recommends the client to select the most relevant garment design scheme for a specific consumer and it also integrates emotional fashion themes and human perception on personalized body shapes.

5.NAME OF THE PAPER:

An Intelligent Personalized Fashion Recommendation System

NAME OF THE AUTHOR:

Cristiana Stan, Irina Mocanu

JOURNAL PUBLISHED:

2019 22nd International Conference on Control Systems and Computer Science

MONTH AND YEAR:

May 2019

OBJECTIVE:

This system will recommend the client that the outfit based on the cloth items considering users preferences.

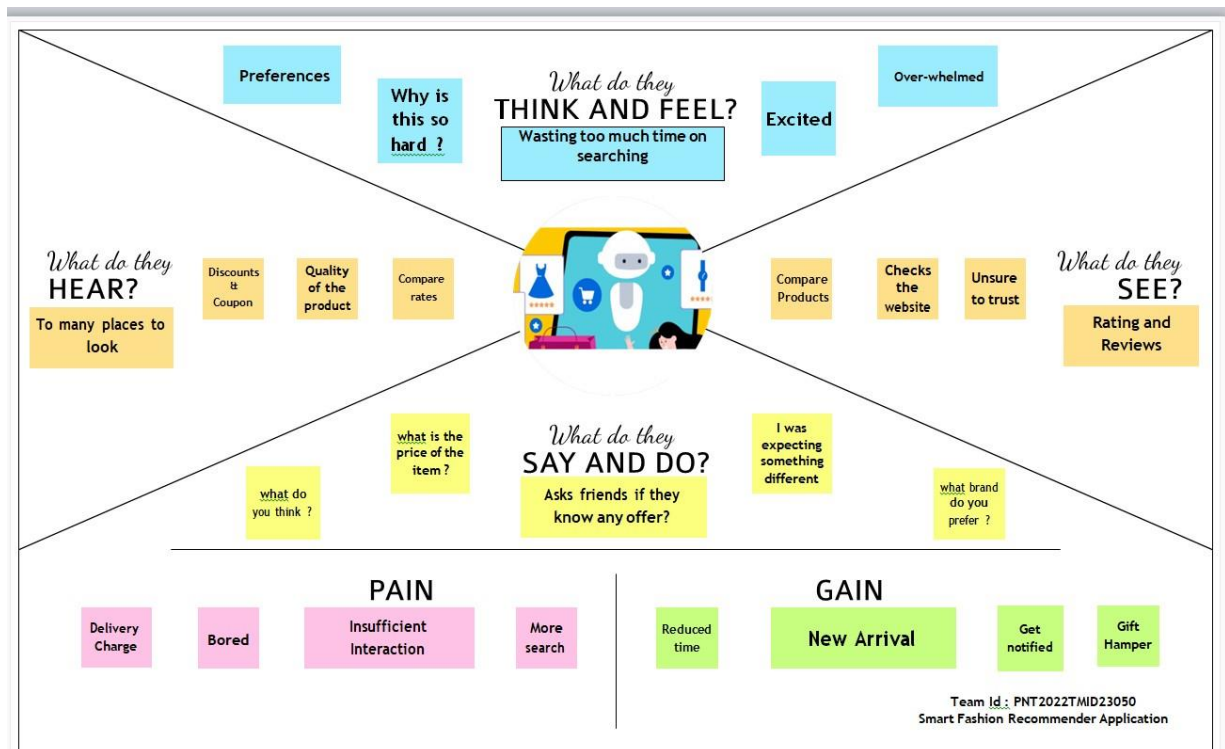
2.3Problem Statement Definition

In case of offline shopping, sales assistants shower personal attention on customers and give complete details on the product. If you have any queries, you can ask right there. But, this does not happen in the case of online shopping. All you can do is see the picture and read the description. Some portals allow shoppers check the customer reviews.

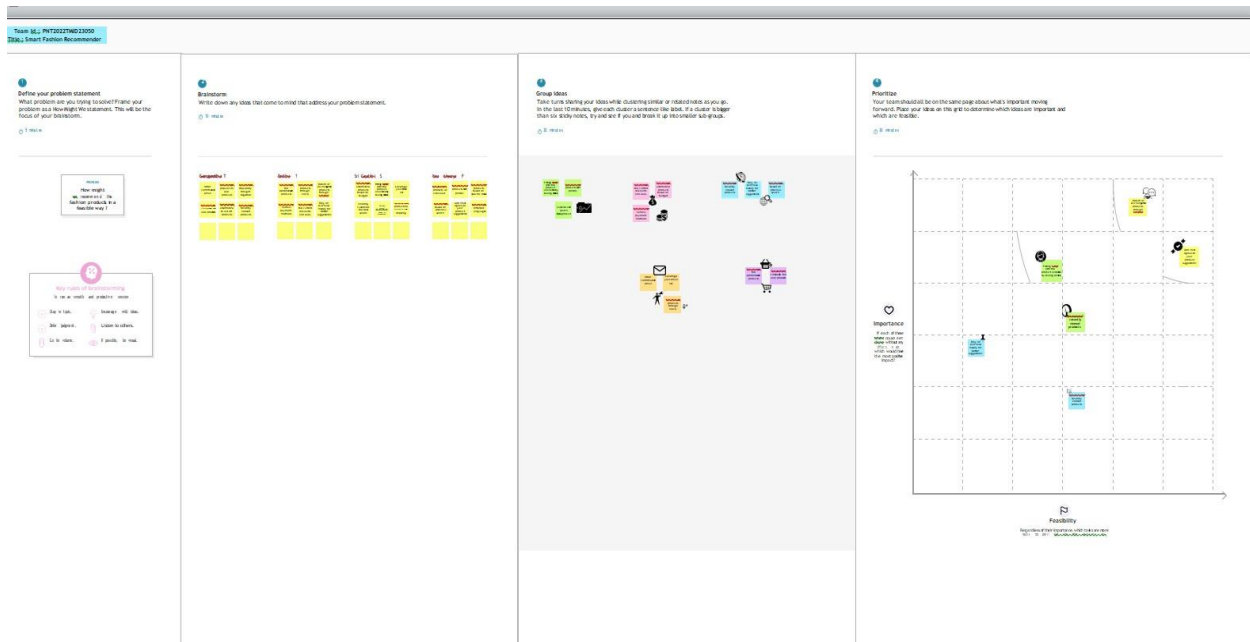
The customer cannot get the benefit of clearing doubts about the product which has to be purchased in online shopping. And also they don't get what they needed, its very tough for them to find the products based on their requirements.

3. IDEATION & PROPOSED SOLUTION:

3.1 Empathy Map Canvas










3.2 Ideation & Brainstorming



3.3 Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>Searching a product makes the customer frustrated if they don't get their required product. This leads to losing of customer. customer may not find their suitable product by simply searching. These factors lead to less customer satisfaction.</p> <p>Further lack of interaction and personalization is the main cause for customer dissatisfaction. Some other issues like missing or unclear product information. Having a poor onsite search engine leads to showing unrelated products.</p>
2.	Idea / Solution description	<p>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 chatbot.</p> <p>Typically, it will recommend new projects to users according to the individual browsing records. Content-Based Filtering (CBF) can attain the specific interest of a user and make recommendations accordingly.</p>
3.	Novelty / Uniqueness	<p>Provides a valuable explanation, which motivates users to make decisions. allow users to discover new interests despite the absence of content in the user's profile. The CBF technique examines the features of recommended item by classifying users' (or consumers') and products' profile data based on the products' features. Typically, it will recommend new projects to</p>

		<p>users according to the individual browsing records. It enables human knowledge and human emotions on garment design to be extracted, formalized, updated and applied to recommendations. As this system will be implemented by the e- shopping platforms of fashion brand companies, the proposed feedback mechanism</p> <p>can be largely adapted to the bigdata environment (various connected consumers with time-varying purchasing behaviours and various innovative products)</p>
4.	Social Impact / Customer Satisfaction	<p>Gives the customer feeling like talking to the salesperson. We are able to get the details that are required. Better searching. Able to customize the search. Customer will get instant and constant reply from the chat bot. Consistency in answering makes the customer satisfied. Able to order without human touch. We shall provide multilingual hence supporting customers worldwide</p>
5.	Scalability of the Solution	<p>The best part of chat bot is their ability to help businesses grow and scale with ease, especially when web traffic volume increases. With chat bot we can handle multiple and complex queries. Chat bot can be molded to specialize in a specific domain making it more scalable.</p>
6.	Business Model (Revenue Model)	<p>The proposed business model is given below</p>

<div>Key Partners</div> <div></div> <div><ul style="list-style-type: none">. Artisans. Weavers. manufacturers. Retailers. builder. Vendors. Investors. Capital owner. Content writer. Bank. Raw Material. Fabric Dealer. Contractors. Tie ups with local brand</div>	<div>Key Activities</div> <div></div> <div><ul style="list-style-type: none">. Insure quality of the garments. Comfortable fit. Weaving by hand with the blend of embroidery. Westen silhouttes. Observe environment friendly</div>	<div>Value Proposition</div> <div></div> <div><ul style="list-style-type: none">. Comfort. Accesible. Richness. Bring confident. Affordab;e. Special seasonal offers. Peaceful. Minimal. Indian touvh. western cuts. Weaving choices. Specially designed clothes for physically disabled and elder community</div>	<div>Customer Relationships</div> <div></div> <div><ul style="list-style-type: none">. Pro Active communication. Responsiveness to issues. Loyalty. consider customer feedback. Assure good quality product</div>	<div>Customer Segments</div> <div></div> <div><ul style="list-style-type: none">. Middle class. Working men and women. modern wearer. young youth. local community. Delhites. denim Lovers. Designers. College students</div>
<div>Cost Structure</div> <div></div> <div><ul style="list-style-type: none">. Fabric buying cost. Advertisement. Bank loan @ interest. Employees. Wastage. Artisans cost. Manufacturer cost. Raw material. Capital and furniture depriciation. building cost</div>	<div>Revenue Streams</div> <div></div> <div><ul style="list-style-type: none">. Target on jeans and jersey fabric. Promoting indian weavers with their beautiful skills. comfoartable and affordable clothes</div>			

3.4 Problem Solution fit

Problem-Solution Fit		TEAM ID: PNT2022TMD23050		Purpose / Vision To recommend the fashion products in the feasible way	
Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS	6. CUSTOMER LIMITATIONS CL EG. BUDGET, DEVICES		5. AVAILABLE SOLUTIONS AS PLUSES & MINUSES	
	Anyone who uses the internet but does not have time to shop between the ages of 16 to 55	It does not support version lower than i3 Network speed- minimum speed 512kbps Supported browsers - windows, linux, mac		The customer can directly do the online shopping based on their choice without any search. It can be done by using the chatbot. Typically, it will recommend new products to users according to the individual browsing records. Content-Based Filtering (CBF) can attain the specific interest of a user and make recommendations accordingly.	
Focus on PR, tap into BE, understand RC	2. PROBLEMS / PAINS * ITS FREQUENCY PR	9. PROBLEM ROOT / CAUSE RC		7. BEHAVIOR * ITS INTENSITY BE	
	The customer easily got bored by searching again and again this may due to the insufficient interaction and recommendation. They also feel worried about the extra delivery charges if it does not meet out their budget	Searching a product makes the customer frustrated if they don't get their required product. This leads to losing of customer. Customer may not find their suitable product by simply searching. These factors leads to less customer satisfaction. Further lack of interaction and personalization is the main cause for customer unsatisfaction. Some other issues like missing or unclear product information. Having a poor onsite search engine leads to showing unrelated products.		Gives the customer feeling like taking to the sale person, we are able to get the details that are required. Better searching. Able to customize the search. Customer will get instant and constant reply from the chatbot. Consistency in answering makes the customer satisfied. Able to order without human touch, we shall provide multilingual hence supporting customers world wide.	
Identify strong TR & EM	3. TRIGGERS TO ACT TR	10. YOUR SOLUTION SL		8. CHANNELS of BEHAVIOR CH	
	customer can compare the products rate from the previous purchase or from the other websites. They also compare the quality of the products by the purchase made by their friends and family. Customer may expect discounts and coupons	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. Typically, chatbot will recommend new products to users according to the individual browsing records. Instead of having to scroll through a dozen product pages, people only need to answer a few questions and get the perfect recommendation within minutes. If not seconds. Fitting our self with the product available by taking photos Adding Trust signals to the product suggestions Return or exchange the products through chatbot itself.		<div>ONLINE</div> <ul style="list-style-type: none"> Online payment Track the order through chatbot Ratings and reviews Adding products to the cart Fitting with the products by taking photos <div>OFFLINE</div> <ul style="list-style-type: none"> Selling at Manufacturer's Plant Door-to-Door Sales Sales by Opening Own Shops Referring to neighbors 	
	4. EMOTIONS BEFORE / AFTER EM				
	Customer feel so hard and they worry about wasting too much time on searching They may go through a mixed emotions while interacting with the chatbot. They feels excited about the products recommended and they feel overwhelmed if they got their perfect recommendation.				

4. REQUIREMENT ANALYSIS

4.1 Functional Requirements:

Following are the functional requirements of the proposed solution.

No.	Functional Requirement	Sub Requirement
1	User Registration	Registration through Form
2	User Interaction	Interact through the Chat Bot
3	Buying Products	Through the chat Bot Recommendation
4	Track Products	Ask the Chat Bot to Track the Orders
5	Return Products	Through the chat Bot
6	New Collections	Recommended from chat Bot

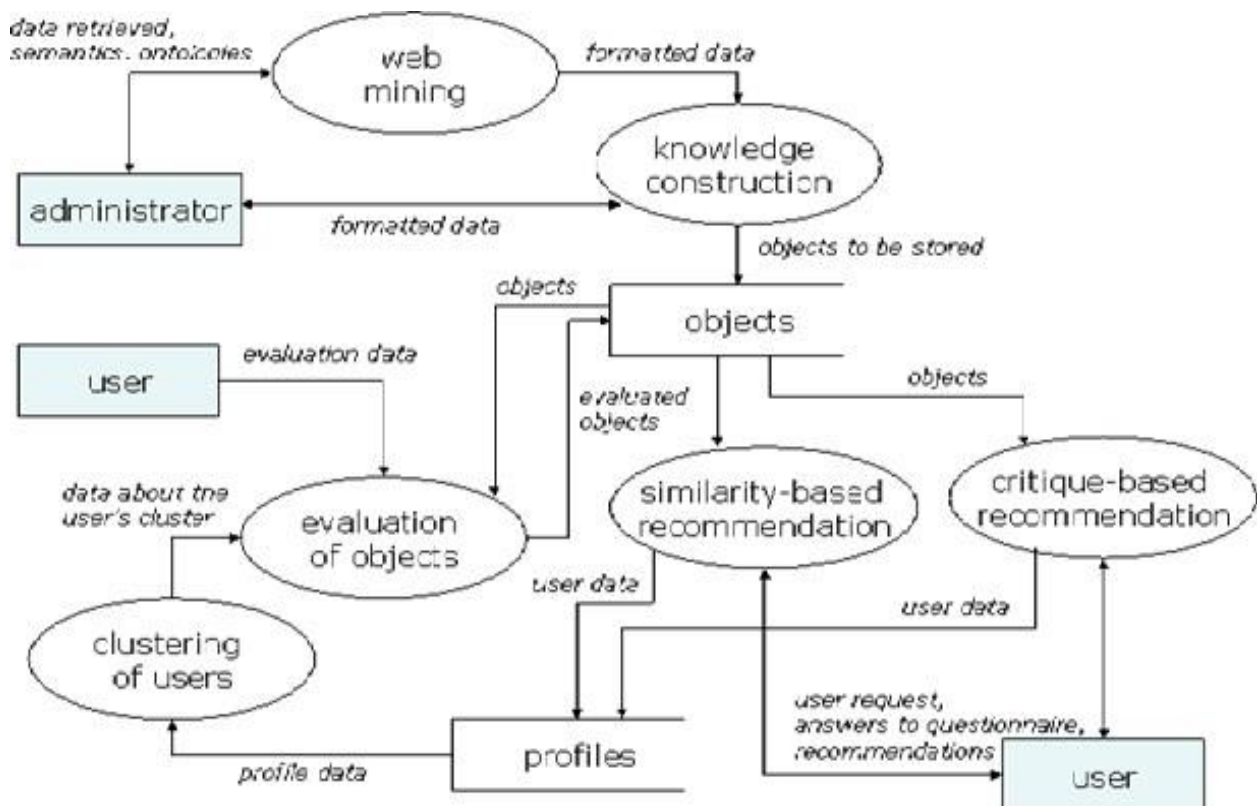
4.2 Non-functional Requirements:

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

No.	Non-Functional Requirement	Description
1	Usability	Using Android or IOS or windows applications.
2	Security	The user data is stored securely in IBM cloud.
3	Reliability	The Quality of the services are trusted.
4	Performance	Its Provide smooth user experience.
5	Availability	The services are available for 24/7.
6	Scalability	It is easy to scale the size of users and products.

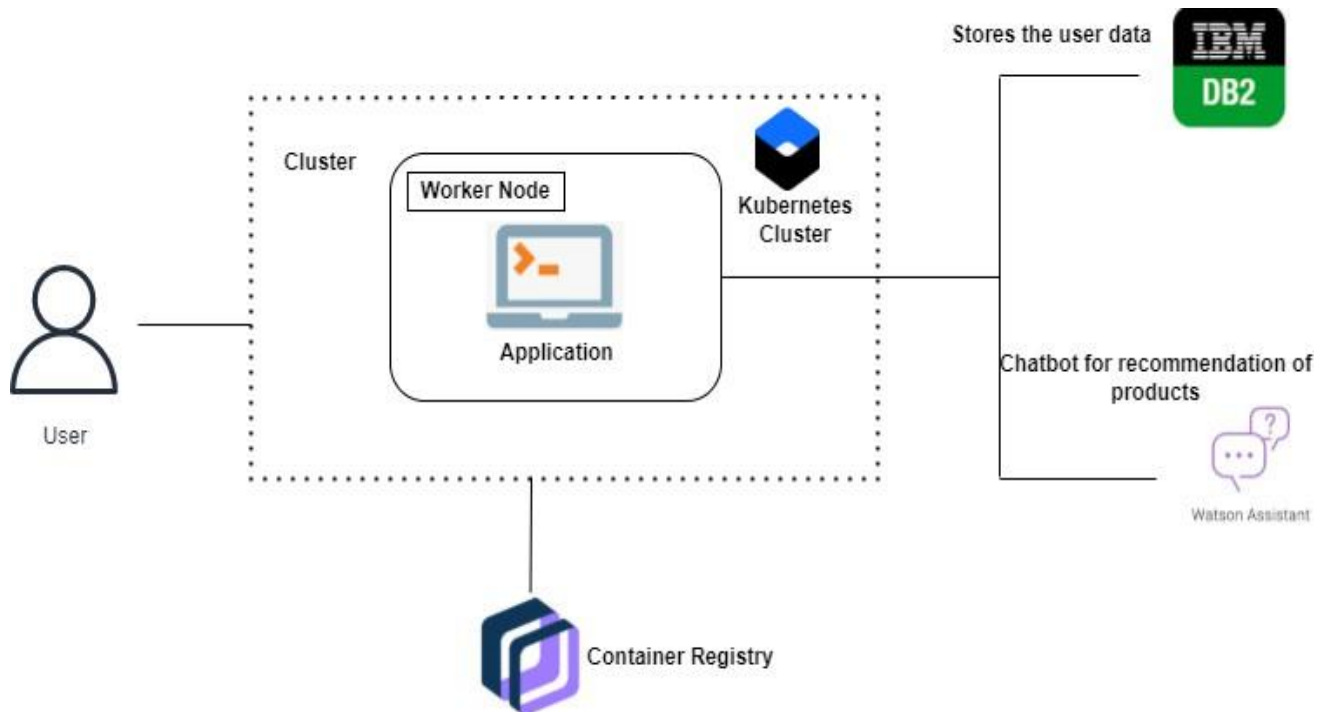
5. PROJECT DESIGN

5.1 Data Flow Diagrams

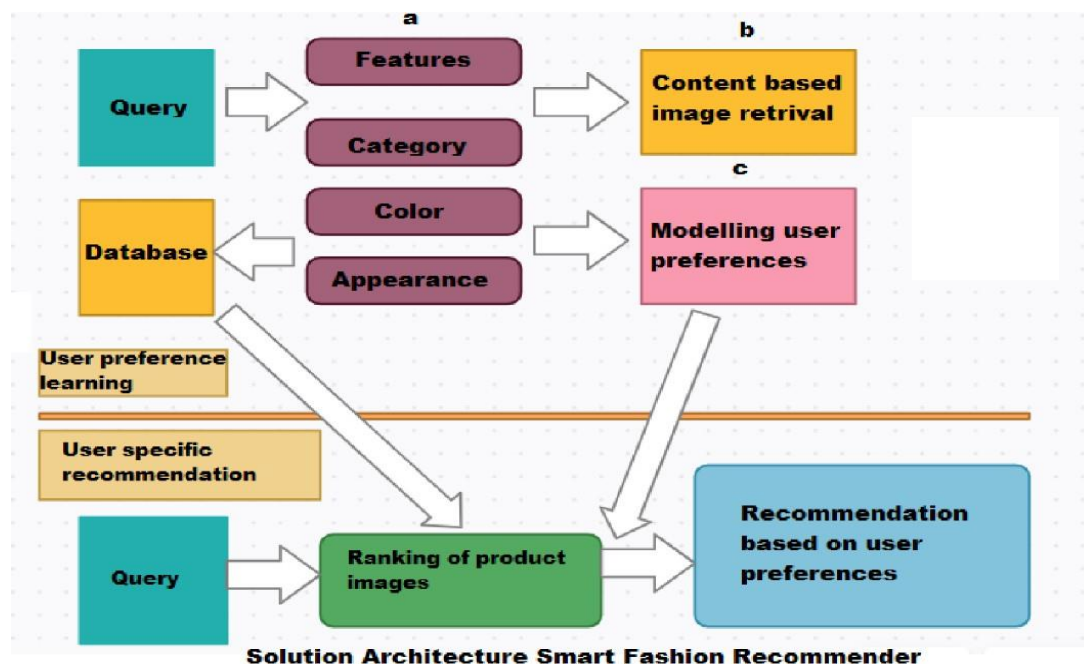


5.2 Solution & Technical Architecture

Technical Architecture:



Solution Architecture:



5.3 User Stories

User Type	Functional Requirement	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	1	I can register for the application by entering my email, password and confirming my password.	I can access my account /dashboard	High	Sprint-1
		2	I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		3	I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		4	I can register for the application through Gmail		Medium	Sprint-1
	Login	5	I can log into the application by entering email & password	I can access my data by login	High	Sprint-1
	Dashboard	6	I can view the dashboard and by products		High	Sprint -2
Customer (Webuser)	Registration /Login	7	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 Customer	8	I solve the customer Requirements and feedback	I can receive calls from customers	High	Sprint-1
Administrator	Check stock and Price , Orders	9	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

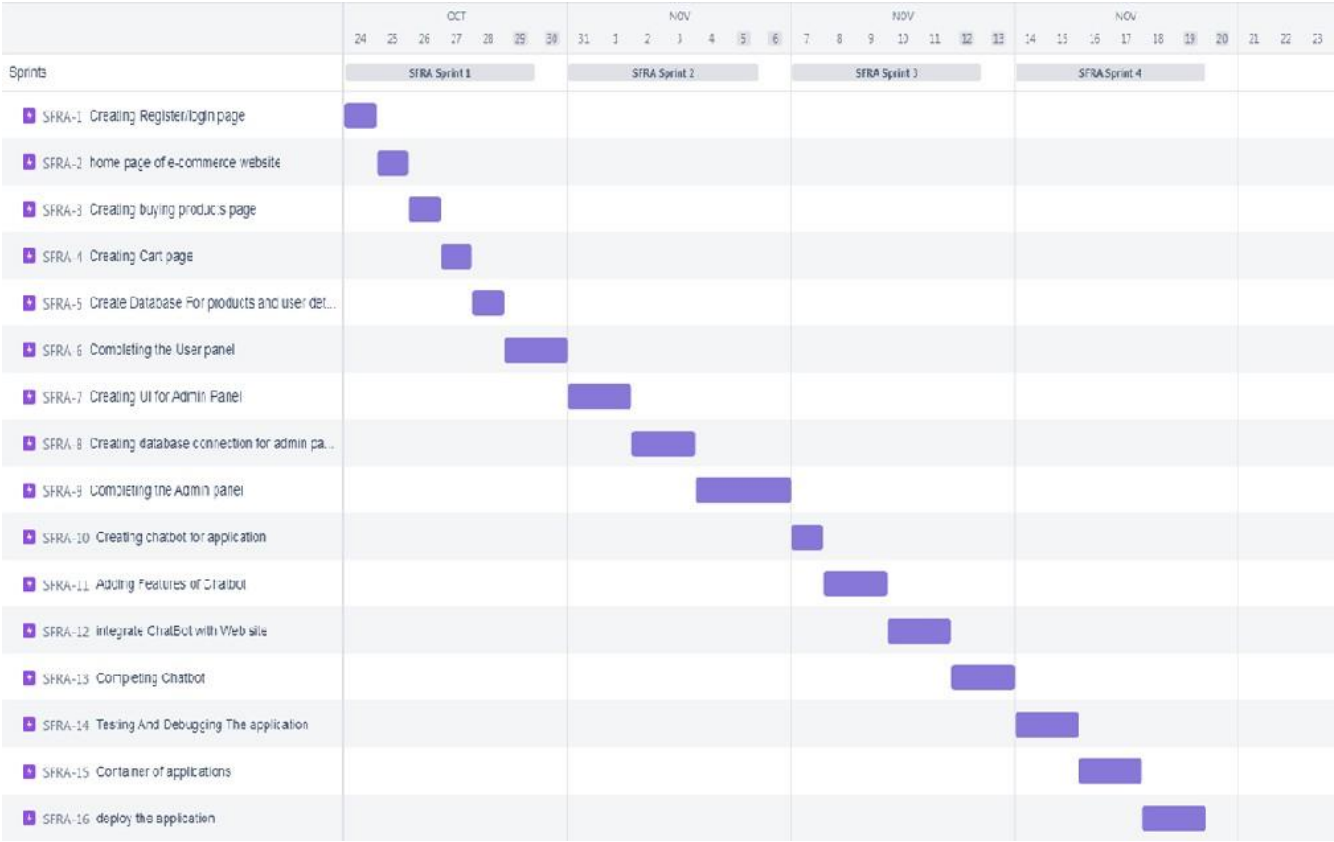
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022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

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)

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

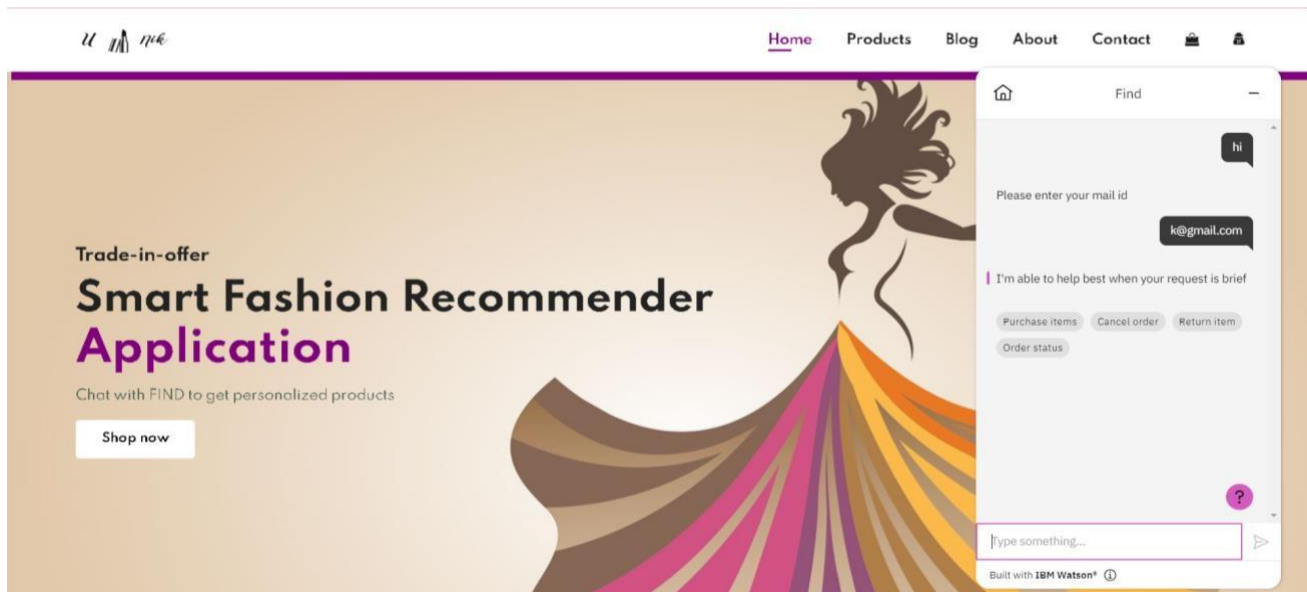
6.2 Sprint Delivery Schedule



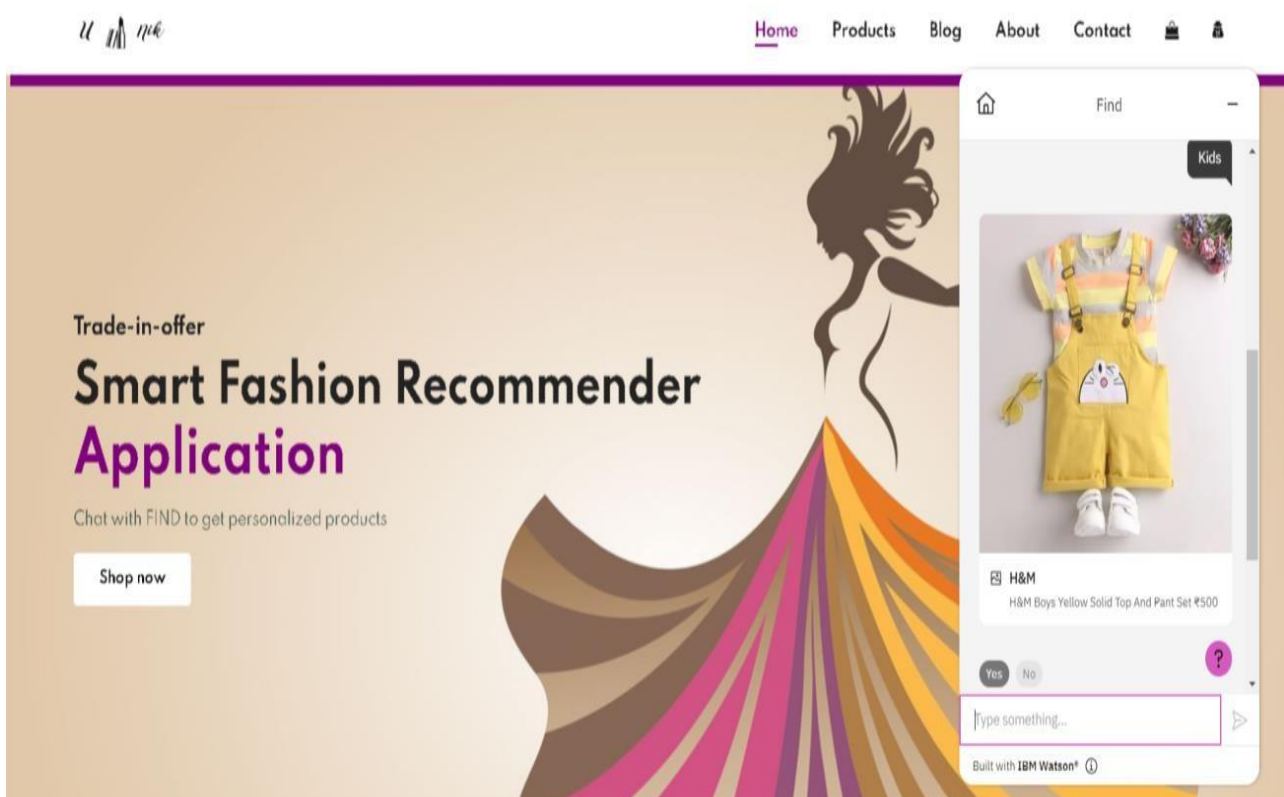
7. CODING & SOLUTIONING

7.1 Feature 1

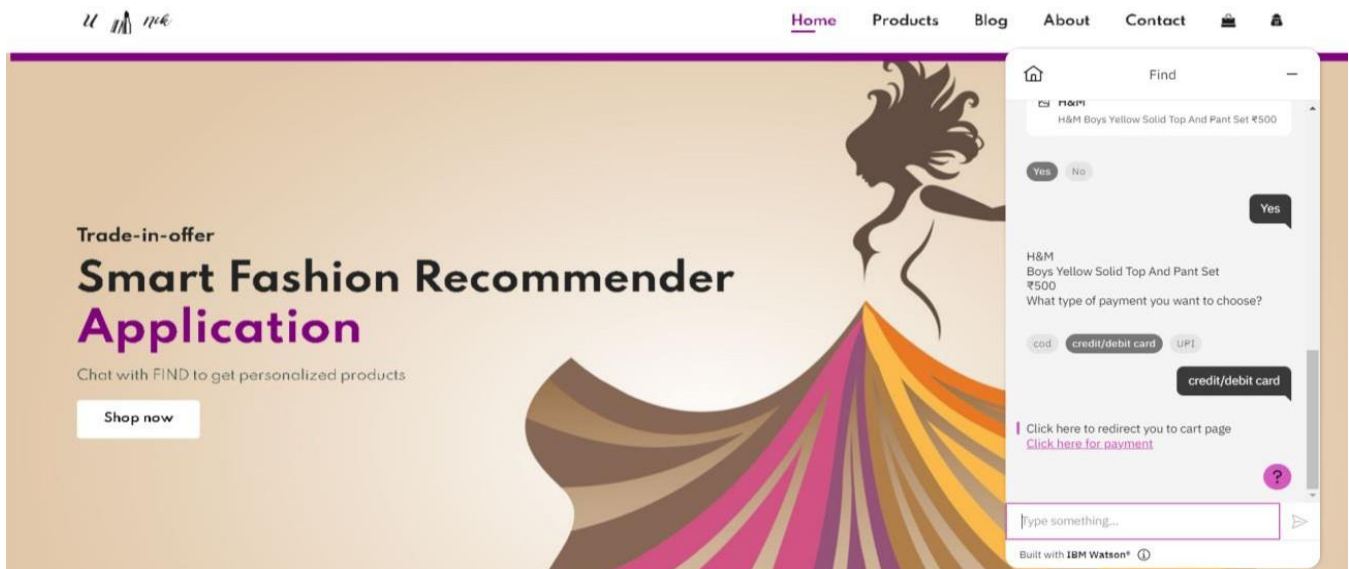
In chatbot we have added some special features like the user can easily track the order status through chat bot itself. The user can also cancel order through chatbot itself easily. The user can also return the items that have been ordered with the help of the chatbot. With the help of the chatbot the user can easily purchase the items based on the unique recommendation of the chatbot, so the user will not get frustrated by searching through the whole website



Through chatbot the user can get the correct recommendation based on unique interest

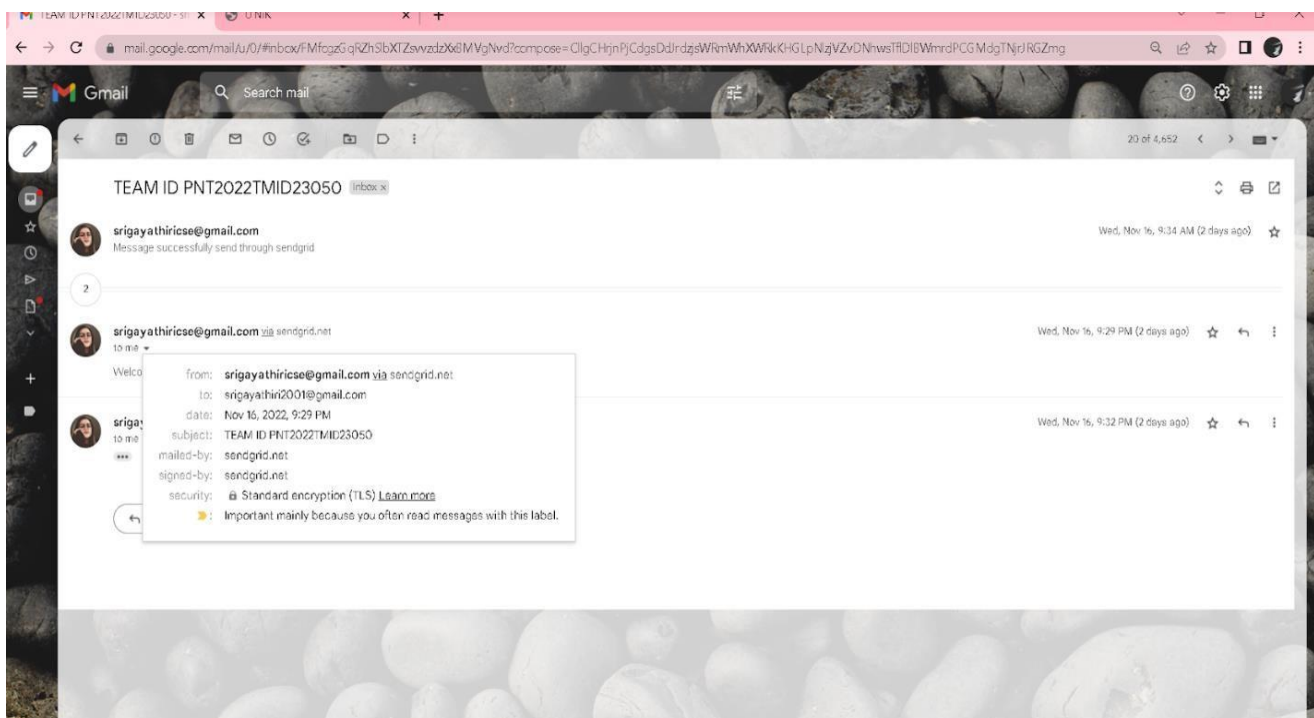


With the help of the chatbot user can easily pay through the chatbot. We have included three payment method UPI, Cash on delivery, Credit/debit card and also with easy return policies



7.2 Feature 2

The send feature we have added is send mail, the user will get notified through mail, about the offers, trending products and festival collections. The user will also get notified about purchased products, and also about cancelled order and shipment details. So it helps the user to know about many things and also it helps him/her to explore more.



7.3 Database Schema

When the admin/user login to the website their mail id will be collected and will be checked, whether the particular admin/user is already a registered user or not. If yes then it will get successfully login. Otherwise it will say to register first.

The products will be stored in the database by the admin, it will be displayed to the user, if the user clicks on the product, the particular product will directly move to the cart page.

Code for database connection

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import bcrypt
from sendmail import *

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=307
56;Security=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=zvl42
723;PWD=hXf4RGaIRBp2sQU6",",")

app = Flask(__name__)
app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'

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

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

@app.route("/products")
def products():
```

```
return render_template('products.html')

@app.route("/product1")
def product1():
    return render_template('product1.html')

@app.route("/product2")
def products2():
    return render_template('product2.html')

@app.route("/blog")
def blog():
    return render_template('blog.html')

@app.route("/blog1")
def blog1():
    return render_template('blog1.html')

@app.route("/blog2")
def blog2():
    return render_template('blog2.html')

@app.route("/blog3")
def blog3():
    return render_template('blog3.html')

@app.route("/blog4")
def blog4():
    return render_template('blog4.html')

@app.route("/about")
def about():
    return render_template('about.html')

@app.route("/contact")
def contact():
```

```
    return render_template('contact.html')
@app.route("/cart")
def cart():
    return render_template('cart.html')
@app.route("/cart1")
def cart1():
    return render_template('cart1.html')
@app.route("/cart2")
def cart2():
    return render_template('cart2.html')
@app.route("/sproduct")
def sproducts():
    return render_template('sproduct.html')
@app.route("/register")
def registerhome():
    return render_template('register.html')
@app.route("/adminpage")
def adminpage():
    return render_template('adminpage.html')
@app.route("/shoppingcart")
def shoppingcart():
    return render_template('shoppingcart.html')
@app.route("/payment")
def payment():
    return render_template('payment.html')
@app.route("/registerUser", methods=['GET', 'POST'])
def register():
```

```

if request.method == 'POST':
    name = request.form['name']
    phn = request.form['phn']
    email = request.form['email']
    psw = request.form['psw']
if not name or not email or not phn or not psw:
    return render_template('registerUser.html',error='Please fill all fields')
hash=bcrypt.hashpw(psw.encode('utf-8'),bcrypt.gensalt())
query = "SELECT * FROM user_detail WHERE email=? OR phn=?"
stmt = ibm_db.prepare(conn, query)
ibm_db.bind_param(stmt,1,email)
ibm_db.bind_param(stmt,2,phn)
ibm_db.execute(stmt)
isUser = ibm_db.fetch_assoc(stmt)
if not isUser:
    insert_sql = "INSERT INTO user_detail(name, email, phn, psw) VALUES
(?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, phn)
    ibm_db.bind_param(prepare_stmt, 4, hash)
    ibm_db.execute(prepare_stmt)
    sendMailUsingSendGrid(API,from_email,email,subject,html_content)
    return render_template('registerUser.html',success="You can login")   else:
    return render_template('registerUser.html',error='Invalid Credentials')

```

```

    return render_template('registerUser.html',name='Home')
@app.route("/loginUser",methods=['GET','POST'])
def login():
    if request.method == 'POST':
        email = request.form['email']
        psw = request.form['psw']
        if not email or not psw:
            return render_template('loginUser.html',error='Please fill all fields')
        query = "SELECT * FROM user_detail WHERE email=?"
        stmt = ibm_db.prepare(conn, query)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
        isUser = ibm_db.fetch_assoc(stmt)
        print(isUser,psw)
        if not isUser:
            return render_template('loginUser.html',error='Invalid Credentials')

            isPasswordMatch = bcrypt.checkpw(psw.encode('utf-8'),isUser['PSW'].encode('utf-8'))
        if not isPasswordMatch:
            return render_template('loginUser.html',error='Invalid Credentials')
        session['email'] = isUser['EMAIL']

        return redirect(url_for('home'))
    return render_template('loginUser.html',name='Home')
@app.route("/registerAdmin",methods=['GET','POST'])
def adregister():
    if request.method == 'POST':
        name = request.form['name']

```

```
email = request.form['email']
phn = request.form['phn']
psw = request.form['psw']
if not name or not email or not phn or not psw:
    return render_template('registerAdmin.html',error='Please fill all fields')
hash=bcrypt.hashpw(psw.encode('utf-8'),bcrypt.gensalt())
query = "SELECT * FROM admin_detail WHERE email=? OR phn=?"
stmt = ibm_db.prepare(conn, query)
ibm_db.bind_param(stmt,1,email)
ibm_db.bind_param(stmt,2,phn)
ibm_db.execute(stmt)
isUser = ibm_db.fetch_assoc(stmt)
if not isUser:
    insert_sql = "INSERT INTO admin_detail(name, email, phn, psw)
VALUES (?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, phn)
    ibm_db.bind_param(prepare_stmt, 4, hash)
    ibm_db.execute(prepare_stmt)
    sendMailUsingSendGrid(API,from_email,email,subject,html_content)
    return render_template('registerAdmin.html',success="You can login")
else:
    return render_template('registerAdmin.html',error='Invalid Credentials')
return render_template('registerAdmin.html',name='Home')
```



```

@app.route("/loginAdmin",methods=['GET','POST'])
def adlogin():
    if request.method == 'POST':
        email = request.form['email']
        psw = request.form['psw']
    if not email or not psw:
        return render_template('loginAdmin.html',error='Please fill all fields')
    query = "SELECT * FROM admin_detail WHERE email=?"
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.execute(stmt)
    isUser = ibm_db.fetch_assoc(stmt)
    print(isUser,psw)
    if not isUser:
        return render_template('loginAdmin.html',error='Invalid Credentials')
    isPasswordMatch = bcrypt.checkpw(psw.encode('utf-8'),isUser['PSW'].encode('utf-8'))
    if not isPasswordMatch:
        return render_template('loginAdmin.html',error='Invalid Credentials')
    session['email'] = isUser['EMAIL']
    return redirect(url_for('adminpage'))
return render_template('loginAdmin.html',name='Home')
@app.route("/addproduct",methods=['GET','POST'])
def addproduct():
    if request.method == 'POST':
        types=request.form['cc']
        name = request.form['name']

```

```
image = request.form['image']
rate = request.form['rate']
categorie = request.form['categorie']
if types == 'col1':
    insert_sql = "INSERT INTO COL1(name, image, categorie,rate) VALUES
(?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, image)
    ibm_db.bind_param(prepare_stmt, 3, categorie)
    ibm_db.bind_param(prepare_stmt, 4, rate)
    ibm_db.execute(prepare_stmt)
if types == 'col2':
    insert_sql = "INSERT INTO COL2(name, image, categorie,rate) VALUES
(?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, image)
    ibm_db.bind_param(prepare_stmt, 3, categorie)
    ibm_db.bind_param(prepare_stmt, 4, rate)
    ibm_db.execute(prepare_stmt)
if types == 'col3':
    insert_sql = "INSERT INTO COL3(name, image, categorie,rate) VALUES
(?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, image)
    ibm_db.bind_param(prepare_stmt, 3, categorie)
```

```

    ibm_db.bind_param(prepare_stmt, 4, rate)
    ibm_db.execute(prepare_stmt)
    if types == 'col4':
        insert_sql = "INSERT INTO COL4(name, image, categorie,rate) VALUES
(?,?,?,?)"
        prepare_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, name)
        ibm_db.bind_param(prepare_stmt, 2, image)
        ibm_db.bind_param(prepare_stmt, 3, categorie)
        ibm_db.bind_param(prepare_stmt, 4, rate)
        ibm_db.execute(prepare_stmt)

        return render_template('addproduct.html',success="You have entered the
details")@app.route("/data")
def display():
    col1_list=[]
    col2_list=[]
    col3_list=[]
    col4_list=[]#selecting_col1
    sql = "SELECT * FROM COL1"
    stmt = ibm_db.exec_immediate(conn, sql)
    col1 = ibm_db.fetch_both(stmt)
    while col1 != False :
        col1_list.append(col1)
        col1 = ibm_db.fetch_both(stmt)
    print(col1_list)
    @app.route("/home")
    def dis():

```

```
col3_list=[]
sql2="SELECT * FROM COL3"
stmt2 = ibm_db.exec_immediate(conn, sql2)
col3=ibm_db.fetch_both(stmt2)
while col3 != False :
    col3_list.append(col3)
    col3 = ibm_db.fetch_both(col3)
print(col3_list)
return render_template('pro.html',col3=col3_list)
@app.route('/logout')
def logout():
    session.pop('email', None)
    return redirect(url_for('login'))
if __name__ == "__main__":
    app.run(debug=True)
```

8. TESTING

8.1 Test Cases

Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data
LoginPage_TC_001	Functional	Home Page	Verify user is able to see the Login/Register in the navigation area	Laptop with internet connection	1.Enter URL and click go 2.Click on user symbol at the right corner 3.Verify login/Register displayed properly	https://localhost:5000/login https://localhost:5000/register
LoginPage_TC_002	UI	Home Page	Verify the UI elements in Login/Register popup	Laptop with internet connection	1.Enter URL and click go 2.Click on user symbol at the right corner 3.Verify login/Register link with below UI elements: a. Email text box b.Password text box c.Login button d.New customer? Create register link e.Forget password? Forget password link	https://localhost:5000/login https://localhost:5000/register
LoginPage_TC_003	Functional	Home page	Verify user is able to log into application with Valid credentials	Laptop with internet connection	1.Enter URL(https://localhost:5000/) and click go 2.Click on user symbol at the right corner 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: Sri Gayathiri S password: sri
LoginPage_TC_004	Functional	Login page	Verify user is able to log into application with In Valid credentials	Laptop with internet connection	1.Enter URL(https://localhost:5000/) and click go 2.Click on user symbol at the right corner 3.Enter In Valid username/email in Email text box 4.Enter valid password in password text box 5.Click on login button	Username: Sri Gayathiri S password: srigayathiri
Verify user is able Chat with chat bot ?	Functional	Home page	Verify user is able to chat with chat Bot	Laptop with internet connection	Chat bot under the website	Purchase items
Verify user is able to Buy products	Functional	product page	verify user is able to order products	Laptop with internet connection	User will buy the products in order page	Click on add to cart
Verify user is get purchase conformation mail?	Functional	order page	verify user is able to get conformation mail	Laptop with internet connection	User will enter the Mail	Email

Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
Login/Register should display in Navigation area	Working as expected	Pass				Sangeetha T
Application should show below UI elements: a. email text box b. password text box c. Login link with purple color d. New customer? Create register link e. Forget password? Forget password link	Working as expected	Pass				Sri Gayathiri S
User should navigate to user account homepage	Working as Expected	Pass				Yuva Ishwarya P
Application should show 'Incorrect email or password ' validation message.	Working as expected	Pass				Pavithra T
Application will send reply as Product	Working as expected	Pass				Pavithra T
Application will send order confirmation message	Working as expected	Pass				Sri Gayathiri S
Application will send conformation email	Working as expected	Pass				Yuva Ishwarya P

8.2 User Acceptance Testing

1. 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).

2. 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	4	4	3	4	15
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	9	2	3	18	32
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	5	2	1	8
Totals	14	14	13	25	68

3. Test Case Analysis

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

Section	Total Cases	Not Tested	Fail	Pass
Login	4	0	0	4
Register	6	0	0	6
Home Page	3	0	0	3
Product	5	0	0	5
Order products	8	0	1	7
Final Report Output	3	0	0	3
Version Control	2	0	0	2

9. Results

9.1 Performance Metrics

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

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

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/Sign Off
1	Smart Fashion Recommender Application	Manual		Worked as we expected		Use Laptop / desktop Mode	No Defects	Sangeetha T

10. ADVANTAGES & DISADVANTAGES

Advantages:

- Saves time and efforts.
- The convenience of shopping at home.
- Wide variety/range of products are available.
- Good discounts / lower prices.
- Get detailed information about the product.
- We can compare various models/brands.

Disadvantages:

- The traditional shopping exercise provides a lot of fun in the form of showroom atmosphere, smart sales attendants, scent and sounds that cannot be experienced through a website. Indians generally enjoy shopping. Consumers look forward to it as an opportunity to go out and shop.
- The sad part of online shopping is, you cannot touch the product and feel how it is. You can just see the image and read the description. Online shopping is not suitable for people who wish to buy the product only after trying it or by touching it.
- In case of offline shopping, sales assistants shower personal attention on customers and give complete details on the product. If you have any queries, you can ask right there. But, this does not happen in the case of online shopping. All you can do is see the picture and read the description. Some portals allow shoppers check the customer reviews.

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.

12. FUTURE SCOPE

Online selling and purchasing offer innumerable benefits to both sellers and buyers, and these advantages are also the reasons for the rising scope of eCommerce. Well, to put it bluntly, the scope of e-business in the near future looks to be ever-increasing and growing, because the trend has really caught on here. E-commerce giant Amazon is keen to conquer the Indian market and has already invested a great deal, especially with its 49% stake in the Future Group. Indian online retail giant Flipkart has already opened a few offline stores and plans more stores in smaller cities. They plan to combine online and offline stores to maximize their selling potential. Google and Tata Trust have launched a joint program 'Saathi' to increase internet and mobile penetration among rural women. The Government of India is also making a huge push for Ecommerce by providing numerous SOPs to startups, cyberparks, and so on through its Digital India program. As of now, there are close to 20,000 E-commerce companies in India, with many more expected to join the bandwagon every month.

13. APPENDIX

Source code

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>U NiK</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://unik.s3.jp-tok.cloud-object-
storage.appdomain.cloud/style.css">
</head>

<body>

  <section id="header">
    <a href="#"></a>

    <div>
      <ul id="navbar">
        <li><a class="active" href="/index">Home</a></li>
        <li><a href="/products">Products</a></li>
        <li><a href="/blog">Blog</a></li>
        <li><a href="/about">About</a></li>
        <li><a href="/contact">Contact</a></li>
        <li><a href="/cart"><i class="fa fa-shopping-bag"></i></a></li>
```

```
        <li><a href="/register"><i class="fa fa-user-secret"></i></a></li>
    </ul>
</div>
</section>
```

```
<section id="hero">
    <h4>Trade-in-offer</h4>
    <h2>Smart Fashion Recommender</h2>
    <h1>Application</h1>
    <p>Chat with FIND to get personalized products</p>
    <a href="/products"><button class="normal">Shop now</button></a>
</section>
```

```
<section id="feature" class="section-p1">
    <div class="fe-box">
        
        <h6>Free Shipping</h6>
    </div>
    <div class="fe-box">
        
        <h6>Online Order</h6>
    </div>
    <div class="fe-box">
        
        <h6>Save Money</h6>
    </div>
    <div class="fe-box">
        
        <h6>Promotions</h6>
    </div>
    <div class="fe-box">
        
```

```
        <h6>Happy Sell</h6>
    </div>
    <div class="fe-box">
        
        <h6>F24/7 Support</h6>
    </div>
</section>
```

```
<section id="product1" class="section-p1">
    <h2>Featured Product</h2>
    <p>New Collections New Modern Designs</p>
    <div class="pro-container">
        <div class="pro">
            
            <div class="des">
                <span>adidas</span>
                <h5>Blue n Brown T-Shirts</h5>
                <div class="star">
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                </div>
                <h4>₹1500</h4>
            </div>
            <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
            
            <div class="des">
                <span>adidas</span>
                <h5>Blue strip T-Shirts</h5>
                <div class="star">
```

```
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
</div>
<h4>₹1570</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>adidas</span>
    <h5>Plain T-Shirts</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹1400</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>adidas</span>
    <h5>Checked T-Shirts</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
  </div>
</div>
```



```
<h4>₹9000</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>Banarasi</span>
    <h5>Banarasi Silk Buttis Yellow Saree</h5><br>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹8000</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>Banarasi</span>
    <h5>Banarasi Silk Jaal Purple Saree</h5><br>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹6000</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
```

```

        </div>
    </div>
</section>

<section id="banner" class="section-m1">
    <h4>Repair Services</h4>
    <h2>Up to <span>70% off</span> All t-Shirts & Accessories</h2>
    <a href="/products"><button class="normal">Explore More</button></a>
</section>

<section id="product1" class="section-p1">
    <h2>New Arrivals</h2>
    <p>Branded shoe's and T-shirts </p>
    <div class="pro-container">
        <div class="pro">
            
            <div class="des">
                <span>adidas</span>
                <h5>Blue Shoe</h5>
                <div class="star">
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                    <i class="fa fa-star"></i>
                </div>
                <h4>₹6000</h4>
            </div>
            <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
            
            <div class="des">
                <span>adidas</span>
                <h5>Brown leather shoe</h5>

```



```

    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹8000</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>adidas</span>
    <h5>Sandle High Heel</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹6600</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>adidas</span>
    <h5>Brown High Heel</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>

```

```

        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
    </div>
    <h4>₹7800</h4>
</div>
<a href="/cart"><button onclick="mycart()"><i class="fa
fa-shopping-bag bag"></i></button></a>
</div>
<div class="pro">
    
    <div class="des">
        <span>adidas</span>
        <h5>Black Smile T-Shirts</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
        <h4>₹900</h4>
    </div>
    <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
    
    <div class="des">
        <span>adidas</span>
        <h5>Pink dog T-Shirts</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>

```

```
        <i class="fa fa-star"></i>
    </div>
    <h4>₹900</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
    
    <div class="des">
        <span>adidas</span>
        <h5>Black and White Trendy Shirt</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
        <h4>₹1500</h4>
    </div>
    <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
    
    <div class="des">
        <span>adidas</span>
        <h5>Green Panda Shirt</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
        <h4>₹600</h4>
```

```

        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
    </div>
</div>
</section>

<section id="sm-banner" class="section-p1">
    <div class="banner-box">
        <h4>Crazy Deals</h4>
        <h2>Buy 1 get 1 free</h2>
        <span>The best classic dress is on sale at U Nik</span>
        <a href="/products"><button class="white">Learn More </button></a>
    </div>
    <div class="banner-box banner-box2">
        <h4>spring/summer</h4>
        <h2>upcommig seasons</h2>
        <span>The best classic dress is on sale at U Nik</span>
        <a href="/blog"><button class="white">Collection</button></a>
    </div >
</section>

<section id="banner3">
    <div class="banner-box">
        <h2>SEASONAL SALE</h2>
        <h3>Winter collection 50% off</h3>
    </div >
    <div class="banner-box banner-box2">
        <h2>SEASONAL SALE</h2>
        <h3>Winter collection 50% off</h3>
    </div >
    <div class="banner-box banner-box3">
        <h2>SEASONAL SALE</h2>
        <h3>Winter collection 50% off</h3>
    </div >
</section>

<section id="newsletter" class="section-p1">

```

```

<div class="newstext">
  <h4>Sign up for NewsLetters</h4>
  <p>Get Email updates about our latest shop and <span>special
offer</span>
  </p>
</div>
<div class="form">
  <input type="text" placeholder="Your E-mail Address">
  <button class="normal">Sign Up</button>
</div>
</section>

<footer class="section-p1">
  <div class="col">
    
    <h4>Contact</h4>
    <p><strong>E-Mail: </strong>uniksmartfashion@gmail.com</p>
    <p><strong>Phone: </strong>0000000000</p>
    <div class="follow">
      <h4>Follow us</h4>
      <div class="icon">
        <i class="fa fa-facebook-f"></i>
        <i class="fa fa-twitter"></i>
        <i class="fa fa-instagram"></i>
        <i class="fa fa-pinterest-p"></i>
        <i class="fa fa-youtube"></i>
      </div>
    </div>
  </div>
</div>

<div class="col">
  <h4>About</h4>
  <a href="#">About us</a>
  <a href="#">Delivery Information</a>
  <a href="#">Privacy Policy</a>
  <a href="#">Terms & Conditions</a>

```

```
<a href="#">Contact us</a>
</div>
```

```
<div class="col">
  <h4>My Account</h4>
  <a href="#">Sign In</a>
  <a href="#">View Cart</a>
  <a href="#">My Wishlist</a>
  <a href="#">Track my order</a>
  <a href="#">Help</a>
</div>
```

```
</footer>
  <div class="copyright">
    <center><p> C 2022, PNT2022TMID23050 - Smart Fashion
Recommender Application </p></center>
  </div>
```

```
<script>

function mycart(){
  alert("Added to cart :)")
}

window.watsonAssistantChatOptions = {
  integrationID: "5ddc2b44-af18-41f8-b5be-fbacc52d49da", // The ID of this
integration.
  region: "us-south", // The region your integration is hosted in.
  serviceInstanceID: "06c70e8f-e24c-4270-a448-65a2517c4baa", // 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>
```

```
</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>U NiK</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
    <link rel="stylesheet" href="https://unik.s3.jp-tok.cloud-object-
storage.appdomain.cloud/style.css">
```

```
</head>
```

```
<body>
```

```
    <section id="header">
```

```
        <a href="#"></a>
```

```
    <div>
```

```
        <ul id="navbar">
```

```
            <li><a href="/index">Home</a></li>
```

```
            <li><a class="active" href="/products">Products</a></li>
```

```
            <li><a href="/blog">Blog</a></li>
```

```
<li><a href="/about">About</a></li>
<li><a href="/contact">Contact</a></li>
<li><a href="/cart"><i class="fa fa-shopping-bag"></i></a></li>
<li><a href="/register"><i class="fa fa-user-secret"></i></a></li>
</ul>
</section>
```

```
<section id="page-header">
  <h2>Stay Home</h2>
  <p>Save more with coupons & up to 70% off</p>
</section>
```

```
<section id="product1" class="section-p1">
```

```
  <div class="pro-container">
    <div class="pro" onclick="window.location.href='sproduct.html'">
      
      <div class="des">
        <span>TILISM</span>
        <h5>TILISM Women's Floor Length Maxi Gown Dress for
Photoshoot or Wedding</h5>
        <div class="star">
          <i class="fa fa-star"></i>
          <i class="fa fa-star"></i>
          <i class="fa fa-star"></i>
          <i class="fa fa-star"></i>
          <i class="fa fa-star"></i>
        </div>
        <h4>₹7500</h4>
      </div>
      <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
    </div>
    <div class="pro">
      
      <div class="des">
```

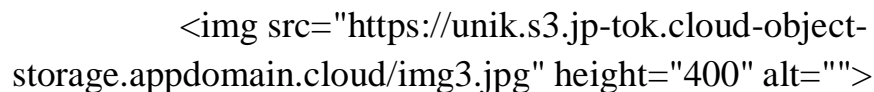

TILISM

TILISM Women's Floor Length Maxi Gown Dress for Photoshoot or Wedding

fa fa-star
fa fa-star
fa fa-star
fa fa-star
fa fa-star

₹5000

[*fa fa-shopping-bag bag*](#)



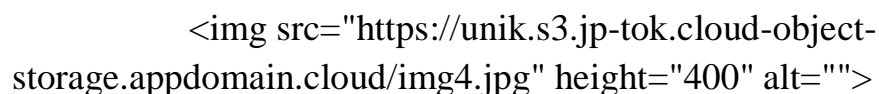
TILISM

TILISM Women's Floor Length Maxi Gown Dress for Photoshoot or Wedding

fa fa-star
fa fa-star
fa fa-star
fa fa-star
fa fa-star

₹6500

[*fa fa-shopping-bag bag*](#)



TILISM

<h5>TILISM Women's Floor Length Maxi Gown Dress for
Photoshoot or Wedding</h5>

<div class="star">

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

</div>

<h4>₹10000</h4>

</div>

<i class="fa fa-shopping-bag bag"></i>

</div>

<div class="pro">

<div class="des">

ANARKALI

<h5>Purple Silk Cotton Printed Anarkali</h5>

<div class="star">

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

<i class="fa fa-star"></i>

</div>

<h4>₹12290</h4>

</div>

<i class="fa fa-shopping-bag bag"></i>

</div>

<div class="pro">

<div class="des">

ANARKALI

<h5>Blue Silk Cotton Printed Anarkali</h5>

<div class="star">

```
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
<i class="fa fa-star"></i>
</div>
<h4>₹12290</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>ANARKALI</span>
    <h5>Pink Silk Cotton Printed Anarkali</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>$78</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>ANARKALI</span>
    <h5>Grey Silk Cotton Printed Anarkali</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
  </div>
</div>
```

```
        <i class="fa fa-star"></i>
        <i class="fa fa-star"></i>
    </div>
    <h4>₹8075</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
```

```
<div class="pro">
    
    <div class="des">
        <span>TOPS</span>
        <h5>Blue Foil Work Rayon Top</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
        <h4>₹1395</h4>
    </div>
    <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
    
    <div class="des">
        <span>TOPS</span>
        <h5>White Floral Print Rayon Top</h5>
        <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
        </div>
```

```
</div>
<h4>₹1125</h4>
</div>
<a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>TOPS</span>
    <h5>Purple Stone Work Rayon Top</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹895</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>TOPS</span>
    <h5>Pink Striped Chanderi Silk Top</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹1125</h4>
  </div>
</div>
```

```

        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
    </div>
    <div class="pro">
        
        <div class="des">
            <span>T-Shirt</span>
            <h5>GIRLS SHOPPIE Solid Women Round Neck White, Blue
T-Shirts</h5>
            <div class="star">
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
            </div>
            <h4>₹500</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
    </div>
    <div class="pro">
        
        <div class="des">
            <span>T-Shirt</span>
            <h5>Color Block Women Round Neck</h5>
            <div class="star">
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
            </div>
            <h4>₹770</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
    </div>

```

```
<div class="pro">
  
  <div class="des">
    <span>T-Shirt</span>
    <h5>Color Block Women Round Neck</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹570</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
<div class="pro">
  
  <div class="des">
    <span>T-Shirt</span>
    <h5>Striped Women Round Neck Grey T-Shirt</h5>
    <div class="star">
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
      <i class="fa fa-star"></i>
    </div>
    <h4>₹800</h4>
  </div>
  <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
</div>
</div>
</section>
```

```
<section id="pagination" class="section-p1">
  <a href="/products">1</a>
  <a href="/product2">2</a>
  <a href="/product2"><i class="fa fa-arrow-right"></i></a>
</section>
```

```
<section id="newsletter" class="section-p1">
  <div class="newstext">
    <h4>Sign up for NewsLetters</h4>
    <p>Get Email updates about our latest shop and <span>special
offer</span>
    </p>
  </div>
  <div class="form">
    <input type="text" placeholder="Your E-mail Address">
    <button class="normal">Sign Up</button>
  </div>
</section>
```

```
<footer class="section-p1">
  <div class="col">
    
    <h4>Contact</h4>
    <p><strong>E-Mail: </strong>uniksmartfashion@gmail.com</p>
    <p><strong>Phone: </strong>0000000000</p>
    <div class="follow">
      <h4>Follow us</h4>
      <div class="icon">
        <i class="fa fa-facebook-f"></i>
        <i class="fa fa-twitter"></i>
        <i class="fa fa-instagram"></i>
        <i class="fa fa-pinterest-p"></i>
        <i class="fa fa-youtube"></i>
      </div>
    </div>
  </div>
</div>
```



```
<div class="col">
  <h4>About</h4>
  <a href="#">About us</a>
  <a href="#">Delivery Information</a>
  <a href="#">Privacy Policy</a>
  <a href="#">Terms & Conditions</a>
  <a href="#">Contact us</a>
</div>
```

```
<div class="col">
  <h4>My Account</h4>
  <a href="#">Sign In</a>
  <a href="#">View Cart</a>
  <a href="#">My Wishlist</a>
  <a href="#">Track my order</a>
  <a href="#">Help</a>
</div>
```

```
</footer>
<div class="copyright">
  <center><p> C 2022, PNT2022TMID23050 - Smart Fashion
Recommender Application </p></center>
</div>
```

```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "5ddc2b44-af18-41f8-b5be-fbacc52d49da", // The ID of this
integration.
  region: "us-south", // The region your integration is hosted in.
  serviceInstanceID: "06c70e8f-e24c-4270-a448-65a2517c4baa", // 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>
```

```
</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>U NiK</title>
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
```

```
    <link rel="stylesheet" href="https://unik.s3.jp-tok.cloud-object-
storage.appdomain.cloud/style.css">
```

```
</head>
```

```
<body>
```

```
    <section id="header">
```

```
        <a href="#"></a>
```

```
    <div>
```

```
        <ul id="navbar">
```

```
            <li><a href="/index">Home</a></li>
```

```

        <li><a href="/products">Products</a></li>
        <li><a href="/blog">Blog</a></li>
        <li><a href="/about">About</a></li>
        <li><a href="/contact">Contact</a></li>
        <li><a class="active" href="/cart"><i class="fa fa-shopping-
bag"></i></a></li>
        <li><a href="/register"><i class="fa fa-user-secret"></i></a></li>
    </ul>
</section>

```

```

<section id="page-header" class="about-header">
    <h2>#Cart</h2>
    <p>Add your coupon code & SAVE upto 70%!</p>
</section>

```

```

<section id="cart" class="section-p1">
    <table width="100%">
        <thead>
            <tr>
                <td>Remove</td>
                <td>Image</td>
                <td>Product</td>
                <td>Price</td>
                <td>Quantity</td>
                <td>Subtotal</td>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td><i class=" fa fa-circle" ></i></td>
                <td></td>
                <td>Women's Brown Handbag</td>
                <td>₹1590</td>
                <td><input type="number" value="1"></td>
                <td>₹1590</td>
            </tr>

```

```

<tr>
  <td><i class=" fa fa-circle" ></i></td>
  <td></td>
  <td>Silver plated Women's Bangle</td>
  <td>₹2500</td>
  <td><input type="number" value="1"></td>
  <td>₹2500</td>

```

```

</tr>

```

```

<tr>
  <td><i class=" fa fa-circle" ></i></td>
  <td></td>
  <td>Brown High Heel</td>
  <td>₹7800</td>
  <td><input type="number" value="1"></td>
  <td>₹7800</td>

```

```

</tr>

```

```

</tbody>

```

```

</table>

```

```

</section>

```

```

<section id="cart-add" class="section-p1">

```

```

  <div id="coupon">

```

```

    <h3>Apply Coupon</h3>

```

```

    <div>

```

```

      <input type="text" placeholder="Enter your Coupon">

```

```

      <button class="normal" >Apply</button>

```

```

    </div>

```

```

  </div>

```

```

  <div id="subtotal">

```

```

    <h3>Cart Total</h3>

```

```

    <table>

```

```

      <tr>

```

```

        <td>Cart Subtotal</td>

```

```
        <td>11890</td>
    </tr>
    <tr>
        <td>Shipping</td>
        <td>Free</td>
    </tr>
    <tr>
        <td><strong>Total</strong></td>
        <td><strong>11890</strong></td>
    </tr>
</table><br>
<a href="/payment"><button class="normal">Proceed to
checkout</button></a>
</div>
```

```
</section>
```

```
<footer class="section-p1">
    <div class="col">
        
        <h4>Contact</h4>
        <p><strong>E-Mail: </strong>uniksmartfashion@gmail.com</p>
        <p><strong>Phone: </strong>0000000000</p>
        <div class="follow">
            <h4>Follow us</h4>
            <div class="icon">
                <i class="fa fa-facebook-f"></i>
                <i class="fa fa-twitter"></i>
                <i class="fa fa-instagram"></i>
                <i class="fa fa-pinterest-p"></i>
                <i class="fa fa-youtube"></i>
            </div>
        </div>
    </div>
</div>

<div class="col">
```

```

    <h4>About</h4>
    <a href="#">About us</a>
    <a href="#">Delivery Information</a>
    <a href="#">Privacy Policy</a>
    <a href="#">Terms & Conditions</a>
    <a href="#">Contact us</a>
</div>

<div class="col">
    <h4>My Account</h4>
    <a href="#">Sign In</a>
    <a href="#">View Cart</a>
    <a href="#">My Wishlist</a>
    <a href="#">Track my order</a>
    <a href="#">Help</a>
</div>

</footer>
<div class="copyright">
    <center><p> C 2022, PNT2022TMID23050 - Smart Fashion
Recommender Application </p></center>
</div>
<script>
window.watsonAssistantChatOptions = {
    integrationID: "5ddc2b44-af18-41f8-b5be-fbacc52d49da", // The ID of this
integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "06c70e8f-e24c-4270-a448-65a2517c4baa", // 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></body></html>

```

Contact.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>U NiK</title>
```

```
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
  <link rel="stylesheet" href="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">
```

```
</head>
```

```
<body>
```

```
  <section id="header">
```

```
    <a href="#"></a>
```

```
  <div>
```

```
    <ul id="navbar">
```

```
      <li><a href="/index">Home</a></li>
```

```
      <li><a href="/products">Products</a></li>
```

Blog

About

Contact

<i class="fa fa-shopping-bag"></i>

<i class="fa fa-user-secret"></i>

</section>

<section id="page-header" class="about-header">

<h2>#Let's_talk</h2>

<p>LEAVE A MESSAGE, We love to hear from you!</p>

</section>

<section id="contact-details" class="section-p1">

<div class="details">

GET IN TOUCH

<h2>Contact Us</h2>

<h3>Ready to help 24/7</h3>

<div>

<i class="fa fa-map"></i>

<p>Velammal College of Engineering and Technology,
Madurai</p>

<i class="fa fa-phone"></i>

<p>*****</p>

<i class="fa fa-square"></i>

<p>uniksmartfashion@gmail.com</p>

<i class="fa fa-circle"></i>

<p>24/7</p>

</div>

</div>

<div class="map">

<iframe

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3930.480480772121!2d78.17389941474136!3d9.89388039292396!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x3b00c542e773b4bf%3A0x18ff131aca07d79b!2sVELAMMAL%20COLLEGE%20OF%20ENGINEERING%20AND%20TECHNOLOGY!5e0!3m2!1sen!2sin!4v1667743851610!5m2!1sen!2sin"

width="600" height="450" style="border:0;" allowfullscreen=""
loading="lazy"

referrerpolicy="no-referrer-when-downgrade"></iframe>

</div>

</section>

```
<section id="form-details">
  <form action="">
    <span>LEAVE A MESSAGE</span>
    <h2>We love to hear from you</h2>
    <input type="text" placeholder="Your Name">
    <input type="text" placeholder="E-mail">
    <input type="text" placeholder="Subject">
    <textarea name="" id="" cols="30" rows="10" placeholder="Your
Message"></textarea>
    <button class="normal">Submit</button><br><br>
  </form>
```

```
<div class="people">
  <div>
    
    <p><span>Sangeetha T</span> Team Leader <br> E-
mail:sangeethatamilaiah@gmail.com</p>
    
    <p><span>Pavithra T</span> Team Member <br> E-
mail:pavibaala2002@gmail.com</p>
    
    <p><span>Sri Gayathiri S</span> Team Member <br> E-
mail:srigayathiri2001@gmail.com</p>
```


<p>Yuva Ishwarya P Team Member
 E-mail:yuvaishwarya137@gmail.com</p>

</div>

</div>

</section>

<section id="newsletter" class="section-p1">

<div class="newstext">

<h4>Sign up for NewsLetters</h4>

<p>Get Email updates about our latest shop and special offer

</p>

</div>

<div class="form">

<input type="text" placeholder="Your E-mail Address">

<button class="normal">Sign Up</button>

</div>

</section>

<footer class="section-p1">

<div class="col">

<h4>Contact</h4>

<p>E-Mail: uniksmartfashion@gmail.com</p>

<p>Phone: 0000000000</p>

<div class="follow">

<h4>Follow us</h4>

<div class="icon">

<i class="fa fa-facebook-f"></i>

<i class="fa fa-twitter"></i>

<i class="fa fa-instagram"></i>

<i class="fa fa-pinterest-p"></i>

<i class="fa fa-youtube"></i>

</div>

</div>

</div>

<div class="col">

<h4>About</h4>

About us

Delivery Information

Privacy Policy

Terms & Conditions

Contact us

</div>

```
<div class="col">

    <h4>My Account</h4>

    <a href="#">Sign In</a>

    <a href="#">View Cart</a>

    <a href="#">My Wishlist</a>

    <a href="#">Track my order</a>

    <a href="#">Help</a>

</div>


</footer>

<div class="copyright">

    <center><p> C 2022, PNT2022TMID23050 - Smart Fashion
Recommender Application </p></center>

    </div>

<script src="script.js"></script>


</body>
</html>
```

GITHUB LINK: <https://github.com/IBM-EPBL/IBM-Project-17461-1659671586.git>

PROJECT DEMO LINK:
https://drive.google.com/file/d/1UlssRomcIQVUbQs_GmugylOgSMOJP8dV/view?usp=drivesdk