SMART FASHION RECOMMENDER APPLICATION

IBM – DOCUMENTATION

# UNDER THE GUIDANCE OF

INDUSTRY MENTOR(S) NAME : KRISHNA CHAITANYA

FACULTY MENTOR(S) NAME : M BABYLATHA

# TEAM ID : PNT2022TMID14116 SUBMITTED BY:

|  |  |
| --- | --- |
| Hari Prasath P | 622119202017 |
| Logeshwaran M | 622119202025 |
| Dineshragul S | 622119202011 |
| Veeraragavan G | 622119202059 |

****

DEPARTMENT OF INFORMATION TECHNOLOGY

**PAAVAI ENGINEERING COLLEGE**

**(AUTONOMOUS) :: 2019 – 2023**

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

|  |  |  |
| --- | --- | --- |
| 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. **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.

# PURPOSE

* + 1. Using chatbot we can manage user's choices and orders.
    2. The chatbot can give recommendations to the users based on their interests.
    3. It can promote the best deals and offers on that day.
    4. It will store the customer's details and orders in the database.
    5. The chatbot will send a notification to customers if the order is confirmed.
    6. Chatbots can also help in collecting customer feedback.

# 2. LITERATURE SURVEY

* 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.

* + 1. 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.

* + 1. 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.

* + 1. 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

* + 1. 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.

* 1. **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).

# 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:

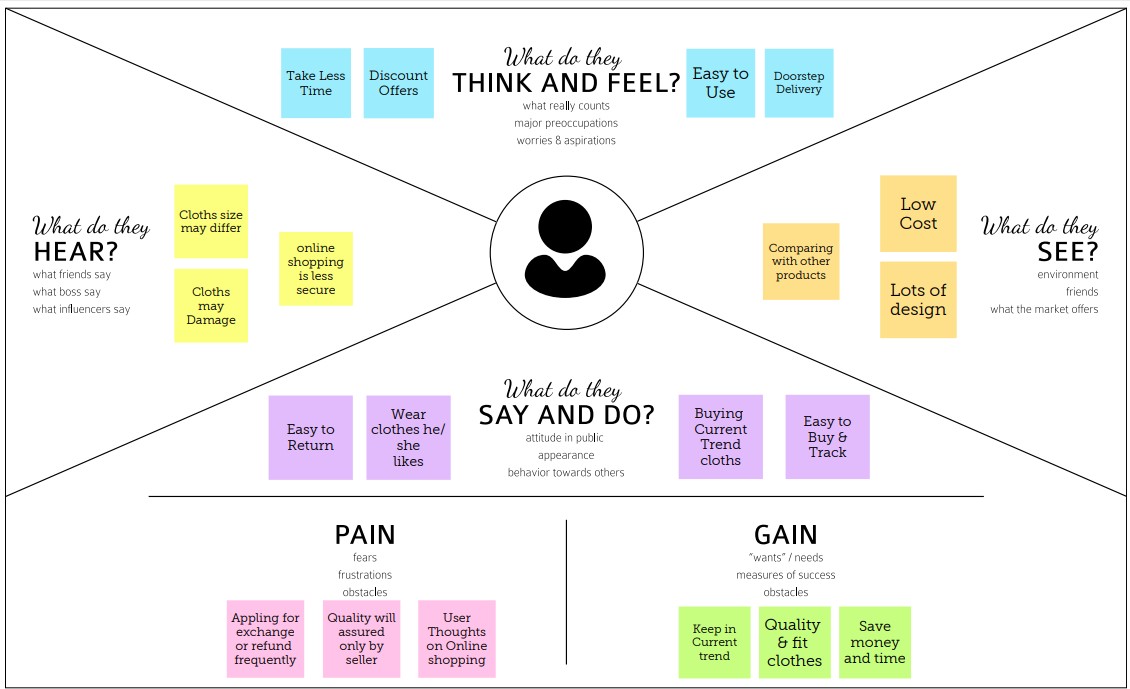
The User Needs a way to Find Offers and Discounts so that Here User easy to find Daily Offers Problem Statement 3:

The User Needs a way to Assistant for finding Clothes so that Here User got the Chat Bot assistant Problem Statement 4:

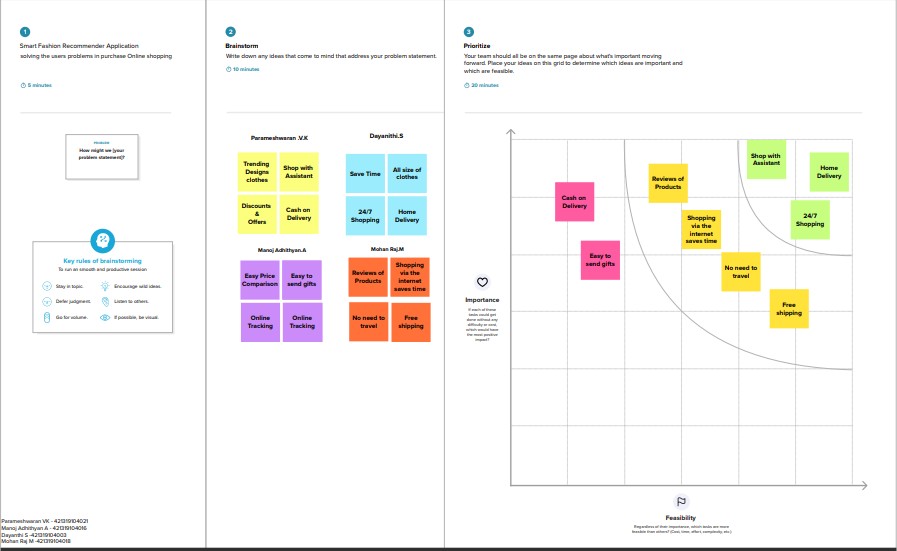
The Sellers Needs a way to struggling to sells products offline so that Here Sellers will Sell Products via our application.

# IDEATION & PROPOSED SOLUTION

* 1. **EMPATHY MAP CANVAS**

**3.2**

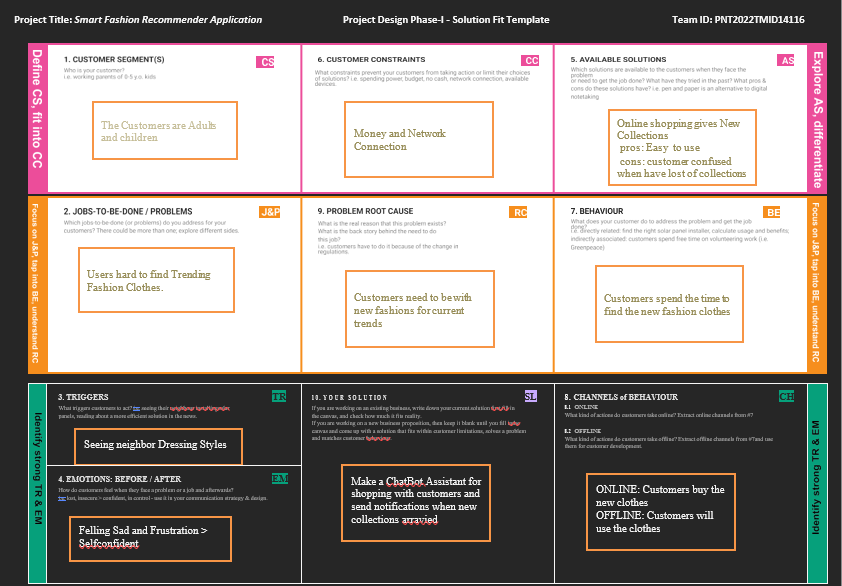
* 1. **IDEATION & BRAINSTORMING**



# 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 |

* 1. **PROBLEM SOLUTION FIT**

****

# REQUIREMENT ANALYSIS

* 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 |
| FR-2 | User Interaction | Interact through the Chat Bot |
| FR-3 | Buying Products | Through the chat Bot Recommendation |
| FR-4 | Track Products | Ask the Chat Bot to Track my Orders |
| FR-5 | Return Products | Through the chat Bot |
| FR\_6 | New Collections | Recommended from chat Bot |

# NON-FUNCTIONAL REQUIREMENTS

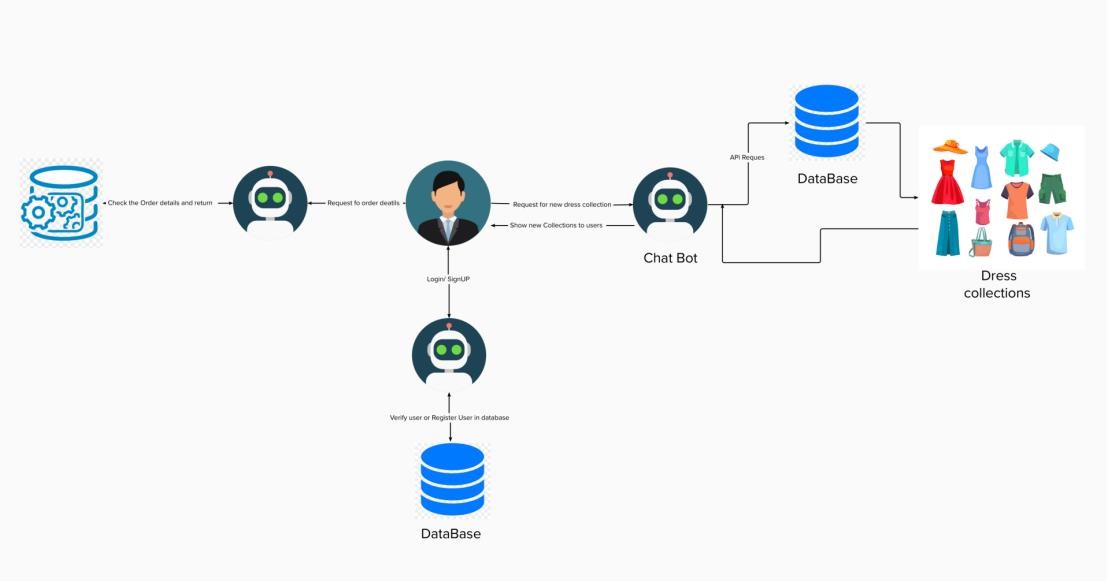
Following are the non-functional requirements of the proposed solution.

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

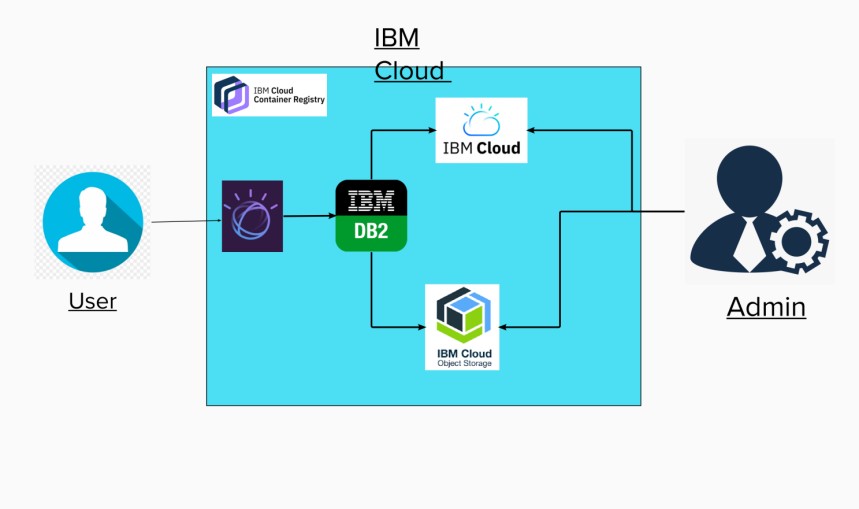
# PROJECT DESIGN

* 1. **DATA FLOW DIAGRAMS**

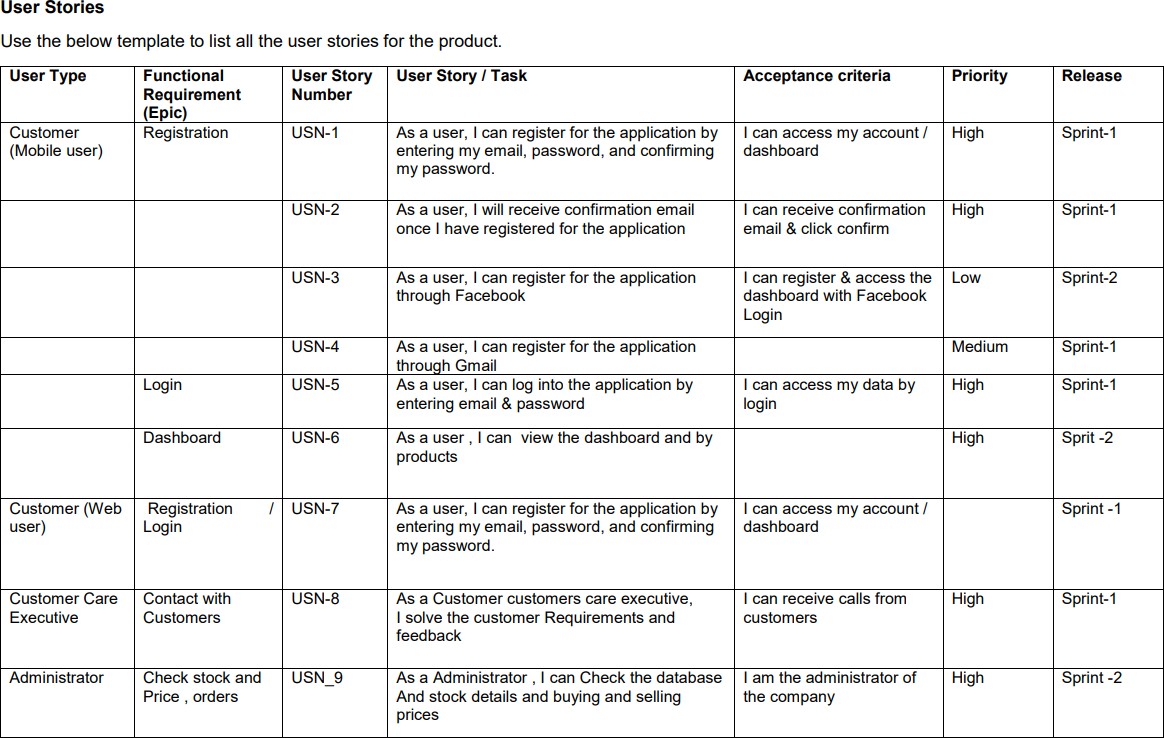
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



# SOLUTION & TECHNICAL ARCHITECTURE

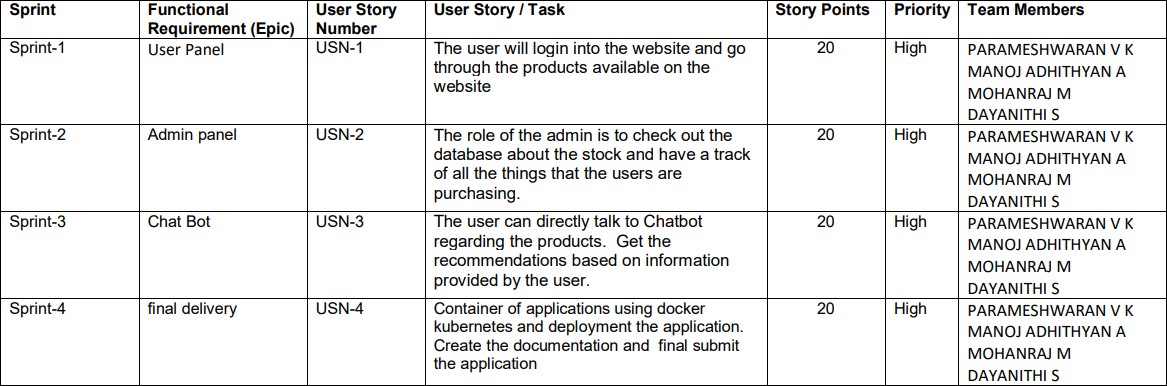


* 1. **USER STORIES**



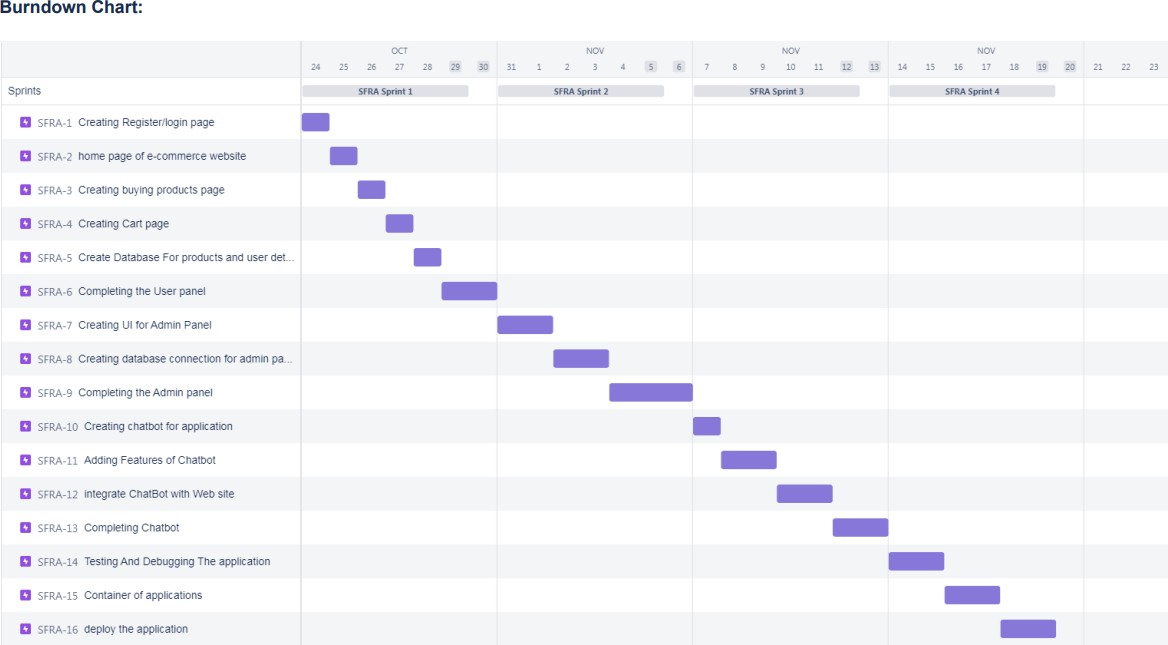
# PROJECT PLANNING & SCHEDULING

* 1. **SPRINT PLANNING & ESTIMATION**



# SPRINT DELIEVERY SCHEDULE

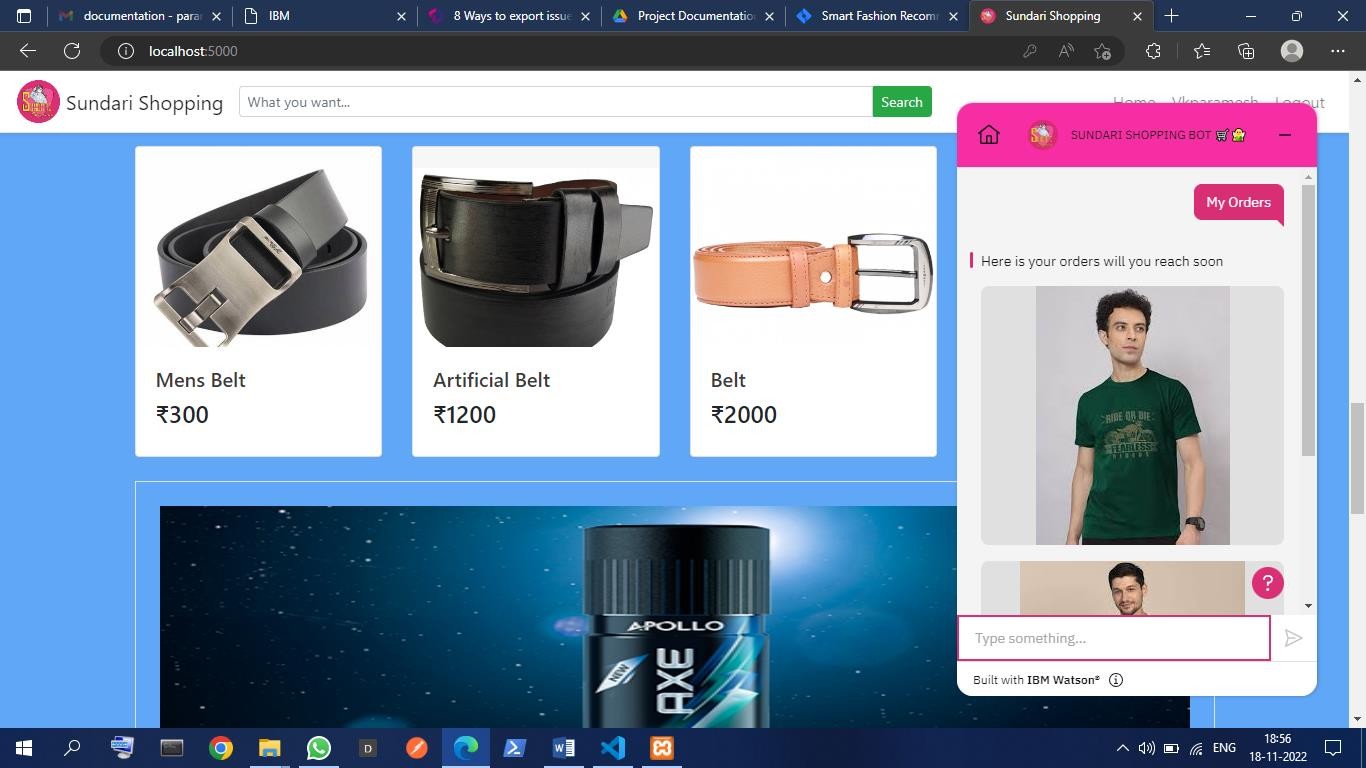
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planne**  **d)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 20 | 6 Days | 24 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 |

* 1. **REPORTS FROM JIRA**

# CODING & SOLUTIONING

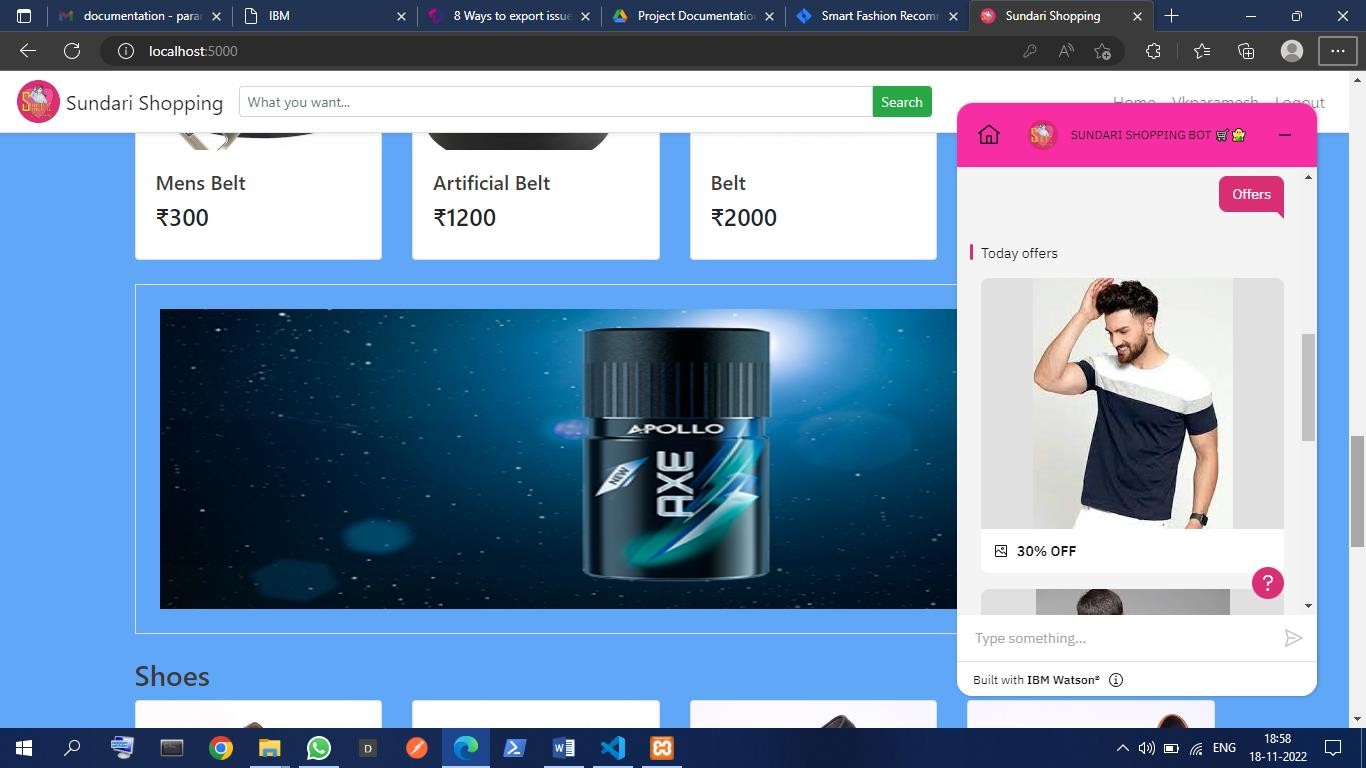
* 1. **FEATURE 1**

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

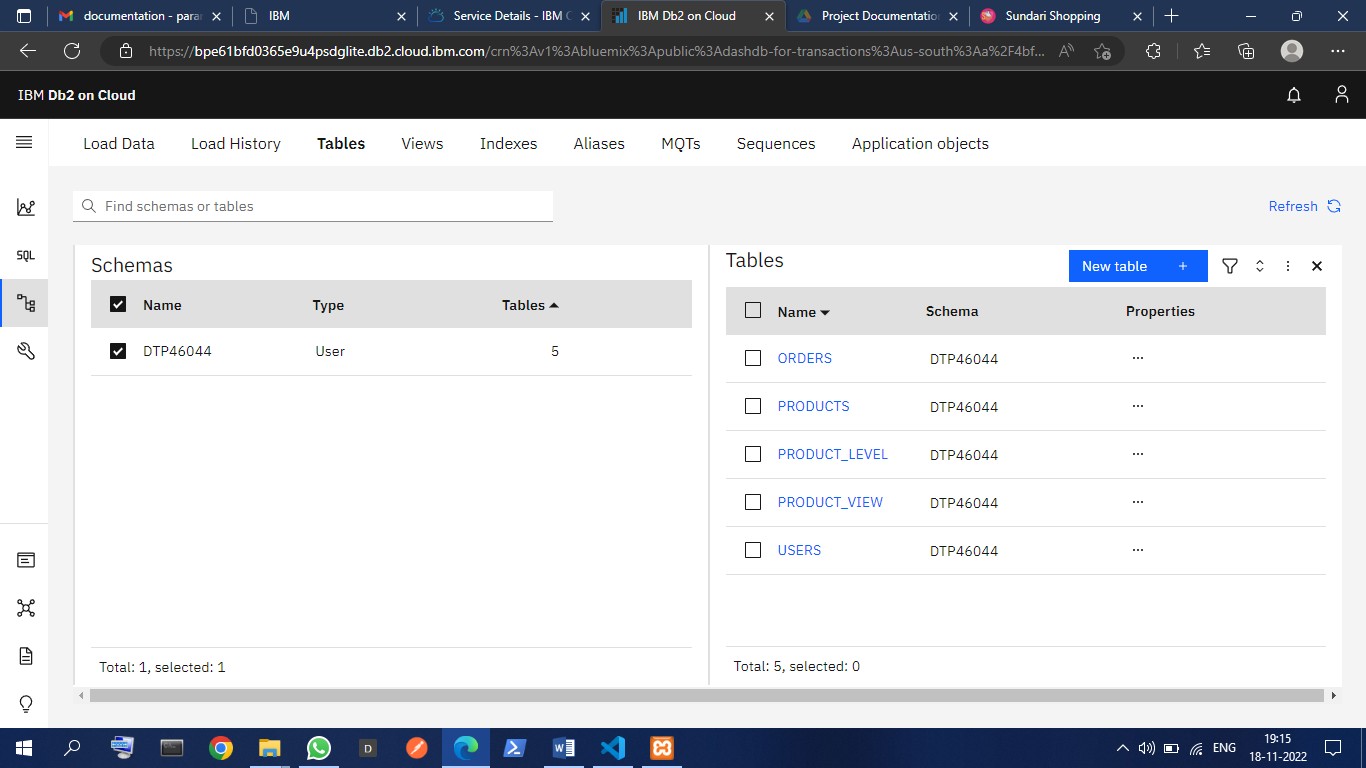


# FEATURE 2

Chat Bot promote the best deals and offers on that day.



# DATABASE SCHEMA



1. **TESTING**

# TEST CASES

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

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

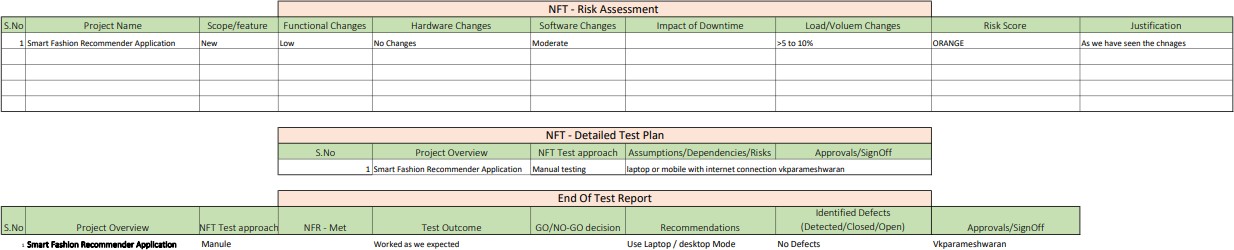
This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Resolution** | **Severity 1** | **Severity 2** | **Severity 3** | **Severity 4** | **Subtotal** |
| By Design | 5 | 5 | 2 | 3 | 21 |
| Duplicate | 1 | 0 | 3 | 0 | 4 |
| External | 2 | 3 | 0 | 1 | 6 |
| Fixed | 11 | 2 | 4 | 20 | 37 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 1 | 1 | 2 |
| Won't Fix | 0 | 5 | 2 | 1 | 8 |
| Totals | 24 | 14 | 13 | 26 | 77 |

# RESULT

* 1. **PERFORMANCE METRICS**

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



# 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

# 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 stat-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.

# 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.

# APPENDIX

* 1. **SOURCE CODE App.py**

from flask import Flask, render\_template, flash, redirect, url\_for, session, request, logging from sqlalchemy import sqlalchemy

from wtforms import Form, StringField, TextAreaField, PasswordField, validators, SelectField from passlib.hash import sha256\_crypt

from functools import wraps

from flask\_uploads import UploadSet, configure\_uploads, IMAGES import timeit

import datetime

from flask\_mail import Mail, Message import os

from wtforms import EmailField import sendgrid

import os

db = sqlalchemy.create\_engine('ibm\_db\_sa://dtp46044:95soX0sZGhb4ToUj@fbd88901-ebdb-4a4f- a32e-9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud:50000/bludb')

bcrypt =Bcrypt(app) metadata = MetaData() app = Flask( name )

app.secret\_key = os.urandom(24) app.config['UPLOADED\_PHOTOS\_DEST'] = 'static/image/product' photos = UploadSet('photos', IMAGES)

configure\_uploads(app, photos) db.init\_app(app)

def sendemail():

sg = sendgrid.SendGridAPIClient(api\_key=os.environ.get('SENDGRID\_API\_KEY')) data = {

"personalizations": [

{

"to": [

{

"email": "[vkdj3232@gmail.com](mailto:vkdj3232@gmail.com)"

}

],

"subject": "Sundari Shopping.Thankyou for purchasing"

}

],

"from": {

"email": "[pawrameshvk3232@gmail.com](mailto:pawrameshvk3232@gmail.com)"

},

"content": [w

{wwwwwwwwwww "type": "text/plain",

"value": "Oder successfull your order arive within 5 working days"

}

]

}

response = sg.client.mail.send.post(request\_body=data) print(response.status\_code)

print(response.body) print(response.headers)

def is\_logged\_in(f): @wraps(f)

def wrap(\*args, \*\*kwargs):

if 'logged\_in' in session:

return f(\*args, \*kwargs) else:

return redirect(url\_for('login')) return wrap

def not\_logged\_in(f): @wraps(f)

def wrap(\*args, \*\*kwargs):

if 'logged\_in' in session:

return redirect(url\_for('index')) else:

return f(\*args, \*kwargs) return wrap

def is\_admin\_logged\_in(f): @wraps(f)

def wrap(\*args, \*\*kwargs):

if 'admin\_logged\_in' in session: return f(\*args, \*kwargs)

else:

return redirect(url\_for('admin\_login'))

return wrap

def not\_admin\_logged\_in(f): @wraps(f)

def wrap(\*args, \*\*kwargs):

if 'admin\_logged\_in' in session:

return redirect(url\_for('admin')) else:

return f(\*args, \*kwargs) return wrap

def wrappers(func, \*args, \*\*kwargs): def wrapped():

return func(\*args, \*\*kwargs) return wrapped

def content\_based\_filtering(product\_id): cur = db.connection.cursor()

cur.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) # getting id row data = cur.fetchone() # get row info

data\_cat = data['category'] # get id category ex shirt print('Showing result for Product Id: ' + product\_id)

category\_matched = cur.execute("SELECT \* FROM products WHERE category=%s", (data\_cat,)) # get all shirt category

print('Total product matched: ' + str(category\_matched)) cat\_product = cur.fetchall() # get all row

cur.execute("SELECT \* FROM product\_level WHERE product\_id=%s", (product\_id,)) # id level info id\_level = cur.fetchone()

recommend\_id = []

cate\_level = ['v\_shape', 'polo', 'clean\_text', 'design', 'leather', 'color', 'formal', 'converse', 'loafer', 'hook', 'chain']

for product\_f in cat\_product:

cur.execute("SELECT \* FROM product\_level WHERE product\_id=%s", (product\_f['id'],)) f\_level = cur.fetchone()

match\_score = 0

if f\_level['product\_id'] != int(product\_id):

for cat\_level in cate\_level:

if f\_level[cat\_level] == id\_level[cat\_level]: match\_score += 1

if match\_score == 11: recommend\_id.append(f\_level['product\_id'])

print('Total recommendation found: ' + str(recommend\_id)) if recommend\_id:

cur = db.connection.cursor()

placeholders = ','.join((str(n) for n in recommend\_id))

query = 'SELECT \* FROM products WHERE id IN (%s)' % placeholders cur.execute(query)

recommend\_list = cur.fetchall()

return recommend\_list, recommend\_id, category\_matched, product\_id else:

return '' @app.route('/') @is\_logged\_in def index():

form = OrderForm(request.form)

cur = db.connection.cursor() values = 'tshirt'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY RAND() LIMIT 4", (values,)) tshirt = cur.fetchall()

values = 'wallet'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY RAND() LIMIT 4", (values,)) wallet = cur.fetchall()

values = 'belt'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY RAND() LIMIT 4", (values,)) belt = cur.fetchall()

values = 'shoes'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY RAND() LIMIT 4", (values,)) shoes = cur.fetchall()

cur.close()

return render\_template('home.html', tshirt=tshirt, wallet=wallet, belt=belt, shoes=shoes, form=form) class LoginForm(Form):

username = StringField('', [validators.length(min=1)], render\_kw={'autofocus': True, 'placeholder': 'Username'})

password = PasswordField('', [validators.length(min=3)], render\_kw={'placeholder': 'Password'})

@app.route('/login', methods=['GET', 'POST']) @not\_logged\_in

def login():

form = LoginForm(request.form)

if request.method == 'POST' and form.validate():

username = form.username.data password\_candidate = form.password.data cur = db.connection.cursor()

result = cur.execute("SELECT \* FROM users WHERE username=%s", [username]) if result > 0:

data = cur.fetchone() password = data['password'] uid = data['id']

name = data['name']

if sha256\_crypt.verify(password\_candidate, password): session['logged\_in'] = True

session['uid'] = uid session['s\_name'] = name x = '1'

cur.execute("UPDATE users SET online=%s WHERE id=%s", (x, uid)) return redirect(url\_for('index'))

else:

flash('Incorrect password', 'danger')

return render\_template('login.html', form=form) else:

flash('Username not found', 'danger') cur.close()

return render\_template('login.html', form=form) return render\_template('login.html', form=form)

@app.route('/out') def logout():

if 'uid' in session:

cur = db.connection.cursor() uid = session['uid']

x = '0'

cur.execute("UPDATE users SET online=%s WHERE id=%s", (x, uid)) session.clear()

flash('You are logged out', 'success') return redirect(url\_for('index'))

return redirect(url\_for('login')) class RegisterForm(Form):

name = StringField('', [validators.length(min=3, max=50)], render\_kw={'autofocus': True, 'placeholder': 'Full Name'})

username = StringField('', [validators.length(min=3, max=25)], render\_kw={'placeholder': 'Username'}) email = EmailField('', [validators.DataRequired(), validators.Email(), validators.length(min=4, max=25)],

render\_kw={'placeholder': 'Email'})

password = PasswordField('', [validators.length(min=3)], render\_kw={'placeholder': 'Password'})

mobile = StringField('', [validators.length(min=11, max=15)], render\_kw={'placeholder': 'Mobile'}) @app.route('/register', methods=['GET', 'POST'])

@not\_logged\_in def register():

form = RegisterForm(request.form)

if request.method == 'POST' and form.validate():

name = form.name.data email = form.email.data

username = form.username.data

password = sha256\_crypt.encrypt(str(form.password.data)) mobile = form.mobile.data

cur = db.connection.cursor()

cur.execute("INSERT INTO users(name, email, username, password, mobile) VALUES(%s, %s, %s, %s,

%s)",

(name, email, username, password, mobile)) db.connection.commit()

cur.close()

flash('You are now registered and can login', 'success') return redirect(url\_for('index'))

return render\_template('register.html', form=form) class MessageForm(Form): # Create Message Form

body = StringField('', [validators.length(min=1)], render\_kw={'autofocus': True}) @app.route('/chatting/<string:id>', methods=['GET', 'POST'])

def chatting(id):

if 'uid' in session:

form = MessageForm(request.form) cur = db.connection.cursor()

get\_result = cur.execute("SELECT \* FROM users WHERE id=%s", [id]) l\_data = cur.fetchone()

if get\_result > 0:

session['name'] = l\_data['name'] uid = session['uid']

session['lid'] = id

if request.method == 'POST' and form.validate():

txt\_body = form.body.data cur = db.connection.cursor()

cur.execute("INSERT INTO messages(body, msg\_by, msg\_to) VALUES(%s, %s, %s)", (txt\_body, id, uid))

db.connection.commit() cur.execute("SELECT \* FROM users") users = cur.fetchall()

cur.close()

return render\_template('chat\_room.html', users=users, form=form) else:

flash('No permission!', 'danger') return redirect(url\_for('index'))

else:

return redirect(url\_for('login')) @app.route('/chats', methods=['GET', 'POST']) def chats():

if 'lid' in session:

id = session['lid'] uid = session['uid']

cur = db.connection.cursor()

cur.execute("SELECT \* FROM messages WHERE (msg\_by=%s AND msg\_to=%s) OR (msg\_by=%s AND msg\_to=%s) "

"ORDER BY id ASC", (id, uid, uid, id)) chats = cur.fetchall()

cur.close()

return render\_template('chats.html', chats=chats, ) return redirect(url\_for('login'))

class OrderForm(Form): # Create Order Form

name = StringField('', [validators.length(min=1), validators.DataRequired()], render\_kw={'autofocus': True, 'placeholder': 'Full Name'})

mobile\_num = StringField('', [validators.length(min=1), validators.DataRequired()], render\_kw={'autofocus': True, 'placeholder': 'Mobile'})

quantity = SelectField('', [validators.DataRequired()], choices=[('1', '1'), ('2', '2'), ('3', '3'), ('4', '4'), ('5', '5')])

order\_place = StringField('', [validators.length(min=1), validators.DataRequired()], render\_kw={'placeholder': 'Order Place'})

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

form = OrderForm(request.form) cur = db.connection.cursor() values = 'tshirt'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY id ASC", (values,)) products = cur.fetchall()

cur.close()

if request.method == 'POST' and form.validate(): name = form.name.data

mobile = form.mobile\_num.data order\_place = form.order\_place.data quantity = form.quantity.data

pid = request.args['order']

now = datetime.datetime.now() week = datetime.timedelta(days=7) delivery\_date = now + week

now\_time = delivery\_date.strftime("%y-%m-%d %H:%M:%S") curs = db.connection.cursor()

if 'uid' in session:

uid = session['uid']

curs.execute("INSERT INTO orders(uid, pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s, %s)",

(uid, pid, name, mobile, order\_place, quantity, now\_time))

else:

curs.execute("INSERT INTO orders(pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s)",

(pid, name, mobile, order\_place, quantity, now\_time)) db.connection.commit()

cur.close() sendemail()

flash('Order successful', 'success')

return render\_template('tshirt.html', tshirt=products, form=form) if 'view' in request.args:

product\_id = request.args['view'] curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

x = content\_based\_filtering(product\_id)

wrappered = wrappers(content\_based\_filtering, product\_id) execution\_time = timeit.timeit(wrappered, number=0)

if 'uid' in session:

uid = session['uid']

cur = db.connection.cursor()

cur.execute("SELECT \* FROM product\_view WHERE user\_id=%s AND product\_id=%s", (uid, product\_id))

result = cur.fetchall() if result:

now = datetime.datetime.now()

now\_time = now.strftime("%y-%m-%d %H:%M:%S")

cur.execute("UPDATE product\_view SET date=%s WHERE user\_id=%s AND product\_id=%s", (now\_time, uid, product\_id))

else:

cur.execute("INSERT INTO product\_view(user\_id, product\_id) VALUES(%s, %s)", (uid, product\_id))

db.connection.commit()

return render\_template('view\_product.html', x=x, tshirts=product) elif 'order' in request.args:

product\_id = request.args['order'] curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

x = content\_based\_filtering(product\_id)

return render\_template('order\_product.html', x=x, tshirts=product, form=form)

return render\_template('tshirt.html', tshirt=products, form=form) @app.route('/wallet', methods=['GET', 'POST'])

def wallet():

form = OrderForm(request.form) cur = db.connection.cursor()

values = 'wallet'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY id ASC", (values,)) products = cur.fetchall()

cur.close()

if request.method == 'POST' and form.validate(): name = form.name.data

mobile = form.mobile\_num.data order\_place = form.order\_place.data quantity = form.quantity.data

pid = request.args['order']

now = datetime.datetime.now() week = datetime.timedelta(days=7) delivery\_date = now + week

now\_time = delivery\_date.strftime("%y-%m-%d %H:%M:%S") curs = db.connection.cursor()

if 'uid' in session:

uid = session['uid']

curs.execute("INSERT INTO orders(uid, pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s, %s)",

(uid, pid, name, mobile, order\_place, quantity, now\_time))

else:

curs.execute("INSERT INTO orders(pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s)",

(pid, name, mobile, order\_place, quantity, now\_time)) db.connection.commit()

cur.close() sendemail()

flash('Order successful', 'success')

return render\_template('wallet.html', wallet=products, form=form) if 'view' in request.args:

q = request.args['view'] product\_id = q

x = content\_based\_filtering(product\_id) curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (q,)) products = curso.fetchall()

return render\_template('view\_product.html', x=x, tshirts=products) elif 'order' in request.args:

product\_id = request.args['order'] curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

x = content\_based\_filtering(product\_id)

return render\_template('order\_product.html', x=x, tshirts=product, form=form) return render\_template('wallet.html', wallet=products, form=form)

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

form = OrderForm(request.form) cur = db.connection.cursor() values = 'belt'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY id ASC", (values,)) products = cur.fetchall()

cur.close()

if request.method == 'POST' and form.validate():

name = form.name.data

mobile = form.mobile\_num.data order\_place = form.order\_place.data quantity = form.quantity.data

pid = request.args['order']

now = datetime.datetime.now() week = datetime.timedelta(days=7) delivery\_date = now + week

now\_time = delivery\_date.strftime("%y-%m-%d %H:%M:%S") curs = db.connection.cursor()

if 'uid' in session:

uid = session['uid']

curs.execute("INSERT INTO orders(uid, pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s, %s)",

(uid, pid, name, mobile, order\_place, quantity, now\_time))

else:

curs.execute("INSERT INTO orders(pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s)",

(pid, name, mobile, order\_place, quantity, now\_time)) db.connection.commit()

cur.close() sendemail()

flash('Order successful', 'success')

return render\_template('belt.html', belt=products, form=form) if 'view' in request.args:

q = request.args['view'] product\_id = q

x = content\_based\_filtering(product\_id) curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (q,)) products = curso.fetchall()

return render\_template('view\_product.html', x=x, tshirts=products) elif 'order' in request.args:

product\_id = request.args['order'] curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

x = content\_based\_filtering(product\_id)

return render\_template('order\_product.html', x=x, tshirts=product, form=form) return render\_template('belt.html', belt=products, form=form)

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

form = OrderForm(request.form) cur = db.connection.cursor() values = 'shoes'

cur.execute("SELECT \* FROM products WHERE category=%s ORDER BY id ASC", (values,)) products = cur.fetchall()

cur.close()

if request.method == 'POST' and form.validate():

name = form.name.data

mobile = form.mobile\_num.data order\_place = form.order\_place.data quantity = form.quantity.data

pid = request.args['order']

now = datetime.datetime.now() week = datetime.timedelta(days=7) delivery\_date = now + week

now\_time = delivery\_date.strftime("%y-%m-%d %H:%M:%S") curs = db.connection.cursor()

if 'uid' in session:

uid = session['uid']

curs.execute("INSERT INTO orders(uid, pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s, %s)",

(uid, pid, name, mobile, order\_place, quantity, now\_time))

else:

curs.execute("INSERT INTO orders(pid, ofname, mobile, oplace, quantity, ddate) " "VALUES(%s, %s, %s, %s, %s, %s)",

(pid, name, mobile, order\_place, quantity, now\_time)) db.connection.commit()

cur.close() sendemail()

flash('Order successful', 'success')

return render\_template('shoes.html', shoes=products, form=form) if 'view' in request.args:

q = request.args['view'] product\_id = q

x = content\_based\_filtering(product\_id) curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (q,)) products = curso.fetchall()

return render\_template('view\_product.html', x=x, tshirts=products) elif 'order' in request.args:

product\_id = request.args['order'] curso = db.connection.cursor()

curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

x = content\_based\_filtering(product\_id)

return render\_template('order\_product.html', x=x, tshirts=product, form=form) return render\_template('shoes.html', shoes=products, form=form)

@app.route('/admin\_login', methods=['GET', 'POST']) @not\_admin\_logged\_in

def admin\_login():

if request.method == 'POST':

username = request.form['email'] password\_candidate = request.form['password'] cur = db.connection.cursor()

result = cur.execute("SELECT \* FROM admin WHERE email=%s", [username]) if result > 0:

data = cur.fetchone() password = data['password'] uid = data['id']

name = data['firstName'] if (password):

session['admin\_logged\_in'] = True session['admin\_uid'] = uid session['admin\_name'] = name return redirect(url\_for('admin'))

else:

flash('Incorrect password', 'danger')

return render\_template('pages/login.html') else:

flash('Username not found', 'danger') cur.close()

return render\_template('pages/login.html')

return render\_template('pages/login.html') @app.route('/admin\_out')

def admin\_logout():

if 'admin\_logged\_in' in session:

session.clear()

return redirect(url\_for('admin\_login')) return redirect(url\_for('admin'))

@app.route('/admin') @is\_admin\_logged\_in def admin():

curso = db.connection.cursor()

num\_rows = curso.execute("SELECT \* FROM products") result = curso.fetchall()

order\_rows = curso.execute("SELECT \* FROM orders") users\_rows = curso.execute("SELECT \* FROM users")

return render\_template('pages/index.html', result=result, row=num\_rows, order\_rows=order\_rows, users\_rows=users\_rows)

@app.route('/orders') @is\_admin\_logged\_in def orders():

curso = db.connection.cursor()

num\_rows = curso.execute("SELECT \* FROM products") order\_rows = curso.execute("SELECT \* FROM orders") result = curso.fetchall()

users\_rows = curso.execute("SELECT \* FROM users")

return render\_template('pages/all\_orders.html', result=result, row=num\_rows, order\_rows=order\_rows, users\_rows=users\_rows)

@app.route('/users') @is\_admin\_logged\_in def users():

curso = db.connection.cursor()

num\_rows = curso.execute("SELECT \* FROM products") order\_rows = curso.execute("SELECT \* FROM orders") users\_rows = curso.execute("SELECT \* FROM users") result = curso.fetchall()

return render\_template('pages/all\_users.html', result=result, row=num\_rows, order\_rows=order\_rows, users\_rows=users\_rows)

@app.route('/admin\_add\_product', methods=['POST', 'GET']) @is\_admin\_logged\_in

def admin\_add\_product():

if request.method == 'POST':

name = request.form.get('name') price = request.form['price']

description = request.form['description'] available = request.form['available'] category = request.form['category'] item = request.form['item']

code = request.form['code'] file = request.files['picture']

if name and price and description and available and category and item and code and file: pic = file.filename

photo = pic.replace("'", "") picture = photo.replace(" ", "\_")

if picture.lower().endswith(('.png', '.jpg', '.jpeg')):

save\_photo = photos.save(file, folder=category) if save\_photo:

curs = db.connection.cursor()

curs.execute("INSERT INTO products(pName,price,description,available,category,item,pCode,picture)"

"VALUES(%s, %s, %s, %s, %s, %s, %s, %s)",

(name, price, description, available, category, item, code, picture)) db.connection.commit()

product\_id = curs.lastrowid

curs.execute("INSERT INTO product\_level(product\_id)" "VALUES(%s)", [product\_id]) if category == 'tshirt':

level = request.form.getlist('tshirt') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format(field=lev) curs.execute(query, (yes, product\_id))

db.connection.commit() elif category == 'wallet':

level = request.form.getlist('wallet') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format(field=lev) curs.execute(query, (yes, product\_id))

db.connection.commit() elif category == 'belt':

level = request.form.getlist('belt') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format(field=lev) curs.execute(query, (yes, product\_id))

db.connection.commit() elif category == 'shoes':

level = request.form.getlist('shoes') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format(field=lev) curs.execute(query, (yes, product\_id))

db.connection.commit() else:

flash('Product level not fund', 'danger')

return redirect(url\_for('admin\_add\_product')) curs.close()

flash('Product added successful', 'success') return redirect(url\_for('admin\_add\_product'))

else:

flash('Picture not save', 'danger')

return redirect(url\_for('admin\_add\_product')) else:

flash('File not supported', 'danger')

return redirect(url\_for('admin\_add\_product')) else:

flash('Please fill up all form', 'danger')

return redirect(url\_for('admin\_add\_product')) else:

return render\_template('pages/add\_product.html') @app.route('/edit\_product', methods=['POST', 'GET']) @is\_admin\_logged\_in

def edit\_product():

if 'id' in request.args:

product\_id = request.args['id'] curso = db.connection.cursor()

res = curso.execute("SELECT \* FROM products WHERE id=%s", (product\_id,)) product = curso.fetchall()

curso.execute("SELECT \* FROM product\_level WHERE product\_id=%s", (product\_id,)) product\_level = curso.fetchall()

if res:

if request.method == 'POST':

name = request.form.get('name') price = request.form['price']

description = request.form['description'] available = request.form['available'] category = request.form['category'] item = request.form['item']

code = request.form['code'] file = request.files['picture']

if name and price and description and available and category and item and code and file: pic = file.filename

photo = pic.replace("'", "") picture = photo.replace(" ", "")

if picture.lower().endswith(('.png', '.jpg', '.jpeg')):

file.filename = picture

save\_photo = photos.save(file, folder=category) if save\_photo:

cur = db.connection.cursor() exe = curso.execute(

"UPDATE products SET pName=%s, price=%s, description=%s, available=%s, category=%s, item=%s, pCode=%s, picture=%s WHERE id=%s",

(name, price, description, available, category, item, code, picture, product\_id)) if exe:

if category == 'tshirt':

level = request.form.getlist('tshirt') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format( field=lev)

cur.execute(query, (yes, product\_id)) db.connection.commit()

elif category == 'wallet':

level = request.form.getlist('wallet')

for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format( field=lev)

cur.execute(query, (yes, product\_id)) db.connection.commit()

elif category == 'belt':

level = request.form.getlist('belt') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format( field=lev)

cur.execute(query, (yes, product\_id)) db.connection.commit()

elif category == 'shoes':

level = request.form.getlist('shoes') for lev in level:

yes = 'yes'

query = 'UPDATE product\_level SET {field}=%s WHERE product\_id=%s'.format( field=lev)

cur.execute(query, (yes, product\_id)) db.connection.commit()

else:

flash('Product level not fund', 'danger')

return redirect(url\_for('admin\_add\_product'))

flash('Product updated', 'success') return redirect(url\_for('edit\_product'))

else:

flash('Data updated', 'success')

return redirect(url\_for('edit\_product')) else:

flash('Pic not upload', 'danger')

return render\_template('pages/edit\_product.html', product=product, product\_level=product\_level)

else:

flash('File not support', 'danger')

return render\_template('pages/edit\_product.html', product=product, product\_level=product\_level)

else:

flash('Fill all field', 'danger')

return render\_template('pages/edit\_product.html', product=product, product\_level=product\_level)

else:

return render\_template('pages/edit\_product.html', product=product, product\_level=product\_level)

else:

return redirect(url\_for('admin\_login')) else:

return redirect(url\_for('admin\_login')) @app.route('/search', methods=['POST', 'GET']) def search():

form = OrderForm(request.form) if 'q' in request.args:

q = request.args['q']

cur = db.connection.cursor()

query\_string = "SELECT \* FROM products WHERE pName LIKE %s ORDER BY id ASC" cur.execute(query\_string, ('%' + q + '%',))

products = cur.fetchall() cur.close()

flash('Showing result for: ' + q, 'success')

return render\_template('search.html', products=products, form=form) else:

flash('Search again', 'danger')

return render\_template('search.html')

@app.route('/profile') @is\_logged\_in

def profile():

if 'user' in request.args:

q = request.args['user']

curso = db.connection.cursor()

curso.execute("SELECT \* FROM users WHERE id=%s", (q,)) result = curso.fetchone()

if result:

if result['id'] == session['uid']:

curso.execute("SELECT \* FROM orders WHERE uid=%s ORDER BY id ASC", (session['uid'],))

res = curso.fetchall()

return render\_template('profile.html', result=res) else:

flash('Unauthorised', 'danger') return redirect(url\_for('login'))

else:

flash('Unauthorised! Please login', 'danger') return redirect(url\_for('login'))

else:

flash('Unauthorised', 'danger') return redirect(url\_for('login'))

class UpdateRegisterForm(Form):

name = StringField('Full Name', [validators.length(min=3, max=50)], render\_kw={'autofocus': True, 'placeholder': 'Full Name'})

email = EmailField('Email', [validators.DataRequired(), validators.Email(), validators.length(min=4, max=25)],

render\_kw={'placeholder': 'Email'})

password = PasswordField('Password', [validators.length(min=3)], render\_kw={'placeholder': 'Password'})

mobile = StringField('Mobile', [validators.length(min=11, max=15)], render\_kw={'placeholder': 'Mobile'})

@app.route('/settings', methods=['POST', 'GET']) @is\_logged\_in

def settings():

form = UpdateRegisterForm(request.form) if 'user' in request.args:

q = request.args['user']

curso = db.connection.cursor()

curso.execute("SELECT \* FROM users WHERE id=%s", (q,)) result = curso.fetchone()

if result:

if result['id'] == session['uid']:

if request.method == 'POST' and form.validate(): name = form.name.data

email = form.email.data

password = sha256\_crypt.encrypt(str(form.password.data)) mobile = form.mobile.data

cur = db.connection.cursor()

exe = cur.execute("UPDATE users SET name=%s, email=%s, password=%s, mobile=%s WHERE

id=%s",

(name, email, password, mobile, q))

if exe:

flash('Profile updated', 'success')

return render\_template('user\_settings.html', result=result, form=form) else:

flash('Profile not updated', 'danger')

return render\_template('user\_settings.html', result=result, form=form) else:

flash('Unauthorised', 'danger') return redirect(url\_for('login'))

else:

flash('Unauthorised! Please login', 'danger')

return redirect(url\_for('login')) else:

flash('Unauthorised', 'danger') return redirect(url\_for('login'))

class DeveloperForm(Form): #

id = StringField('', [validators.length(min=1)], render\_kw={'placeholder': 'Input a product id...'})

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

form = DeveloperForm(request.form)

if request.method == 'POST' and form.validate():

q = form.id.data

curso = db.connection.cursor()

result = curso.execute("SELECT \* FROM products WHERE id=%s", (q,)) if result > 0:

x = content\_based\_filtering(q)

wrappered = wrappers(content\_based\_filtering, q) execution\_time = timeit.timeit(wrappered, number=0) seconds = ((execution\_time / 1000) % 60)

return render\_template('developer.html', form=form, x=x, execution\_time=seconds) else:

nothing = 'Nothing found'

return render\_template('developer.html', form=form, nothing=nothing) else:

return render\_template('developer.html', form=form)

if name == ' main ': app.run(debug=True)

# Home.Html

{% extends 'layout.html' %}

{% block body %}

<!-- Page Content -->

<div class="container">

<div class="row">

<!-- /.col-lg-3 -->

<div class="col-lg-12">

<div id="carouselExampleIndicators" class="carousel slide my-4" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner" role="listbox" style="max-height: 300px">

<div class="carousel-item active">

<img class="d-block img-fluid" src="/static/image/logo\_banner.jpg" alt="New York" width="1100" height="300"

style="object-fit:contain; background: #000; object-position: center; height: 300px; width:1100px;">

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data- slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data- slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

<h3><a href="/tshirt">T-Shirt</a></h3>

<div class="row">

{% for product in tshirt %}

{% if product.category == 'tshirt' %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top id\_{{product.id}}" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5><a class="card-title" href="javascript:void();">{{ product.pName}}</a></h5>

<h4>₹{{product.price}}</h4>

<span class="text-warning"></span>

</div>

</div>

<!-- /.card -->

</div>

{% endif %}

{% endfor %}

</div>

<!-- /.row -->

<div class="border p-4 mb-4" style="height: 350px">

<img class="w-100 h-100" src="/static/image/other/bodyspray.jpg" alt="New York">

</div>

<h3><a href="/wallet">Wallet</a></h3>

<div class="row">

{% for product in wallet %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5><a class="card-title" id="" href="/{{product.category}}?view={{product.id}}">{{ product.pName}}</a></h5>

<h4>₹{{product.price}}</h4>

<span class="text-warning"></span>

</div>

</div>

<!-- /.card -->

</div>

{% endfor %}

</div>

<!-- /.row -->

<div class="border p-4 mb-4" style="height: 350px">

<img class="w-100 h-100" src="/static/image/other/watchwallpaper.jpg" alt="New York">

</div>

<h3><a href="/belt">Belt</a></h3>

<div class="row">

{% for product in belt %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5><a class="card-title" href="/{{product.category}}?view={{product.id}}">{{ product.pName}}</a></h5>

<h4>₹{{product.price}}</h4>

<span class="text-warning"></span>

</div>

</div>

<!-- /.card -->

</div>

{% endfor %}

</div>

<div class="border p-4 mb-4" style="height: 350px">

<img class="w-100 h-100" src="/static/image/other/bodyspray.jpg" alt="New York">

</div>

<h3><a href="/shoes">Shoes</a></h3>

<div class="row">

{% for product in shoes %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5><a class="card-title" href="/{{product.category}}?view={{product.id}}">{{ product.pName}}</a></h5>

<h4>₹{{product.price}}</h4>

<span class="text-warning"></span>

</div>

</div>

<!-- /.card -->

</div>

{% endfor %}

</div>

<div class="border p-4 mb-4" style="height: 350px">

<img class="w-100 h-100" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New York">

</div>

</div>

<!-- /.col-lg-9 -->

</div>

<!-- /.row -->

</div>

<!-- /.container -->

{% endblock %}

## Admin\_login.html

{% extends 'layout.html' %}

{% block body %}

<div class="jumbotron">

<h2 style="text-align: center; color: #206aaa;">Login Form</h2>

{% from "includes/\_formhelpers.html" import render\_field %}

<div>

<form method="POST" action="">

<div class="form-group">

{{render\_field(form.username, class\_="form-control")}}

</div>

<div class="form-group">

<label><strong>Password</strong></label>

<input type="password" name="password" class="form-control" value={{request.form.password}}>

</div>

<button type="submit" class="btn btn-primary">Login</button>

</form>

</div>

</div>

{% endblock %}

# Belt.html

{% extends 'layout.html' %}

{% block body %}

<!-- Page Content -->

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">Belt</h1>

<div class="list-group">

<a href="/tshirt" class="list-group-item">T-Shirt</a>

<a href="/wallet" class="list-group-item">Wallet</a>

<a href="/belt" class="list-group-item active">Belt</a>

<a href="/shoes" class="list-group-item">Shoes</a>

</div>

</div>

<!-- /.col-lg-3 -->

<div class="col-lg-9">

{% include 'includes/\_flashmsg.html' %}

<div id="carouselExampleIndicators" class="carousel slide my-4" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner" role="listbox" style="max-height: 300px">

<div class="carousel-item active">

<img class="d-block img-fluid" src="/static/image/other/watchwallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York" width="1100"

height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data- slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data- slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

<div class="row">

{% for product in belt %}

<div class="col-12 col-sm-6 col-md-4 col-lg-4 col-xl-3 mb-4">

<div class="card h-100">

<a href="/belt?view={{product.id}}">

<div class="card-img-top"

style="background: url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% "></div>

</a>

<div class="card-body">

<h5 class="card-title">

<a href="/belt?view={{product.id}}">{{ product.pName}}</a>

</h5>

<h4>৳{{product.price}}</h4>

</div>

<div class="card-footer">

<small class="text-muted"></small>

</div>

</div>

</div>

{% endfor %}

</div>

</div>

</div>

</div>

{% endblock %}

# Layout.html

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Sundari Shopping</title>

<meta charset="utf-8">

<link rel="icon" href="{{ url\_for('static', filename='image/logo.png') }}" type="image/x-icon">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

<style>

body {

background: #60a7f8;

}

a {

color: rgb(65, 56, 56); text-decoration: none;

}

li {

color: white;

}

</style>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>

<link rel="stylesheet" href="{{ url\_for('static', filename='css/style.css') }}">

</head>

<body style=" margin-top: 57px ">

{% include 'includes/\_navbar.html' %}

<div class="container">

{% block body %} {% endblock %}

</div>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js"></script>

</body>

{% include 'includes/\_footer.html' %}

</html>

## Login.html

{% extends 'layout.html' %}

{% block body %}

{% include 'includes/\_flashmsg.html' %}

<div class="jumbotron">

<h2 style="text-align: center; color: #206aaa;">Login Form</h2>

{% from "includes/\_formhelpers.html" import render\_field %}

<div>

<form method="POST" action="">

<div class="form-group">

{{render\_field(form.username, class\_="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.password, class\_="form-control")}}

</div>

<button type="submit" class="btn btn-primary">Login</button>

</form>

</div>

</div>

{% endblock %}

# Orderproduct.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3 my-4">

<div class="list-group">

<a href="/tshirt" class="list-group-item">T-Shirt</a>

<a href="/wallet" class="list-group-item">Wallet</a>

<a href="/belt" class="list-group-item">Belt</a>

<a href="/shoes" class="list-group-item">Shoes</a>

</div>

</div>

<div class="col-lg-9">

<div class="row">

{% for product in tshirts %}

<div class="col-lg-6">

<div class="card mt-4">

<img class="card-img-top img-fluid" src="static/image/product/{{product.category}}/{{product.picture}}" alt="">

</div>

</div>

<div class="col-lg-6">

<div class="card card-outline-secondary my-4">

<div class="card-header"> Order Details

</div>

<div class="card-body">

{% from "includes/\_formhelpers.html" import render\_field %}

<form method="POST" action="/{{product.category}}?order={{product.id}}">

<div class="form-group">

{{render\_field(form.name, class\_="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.mobile\_num, class\_="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.quantity, class\_="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.order\_place, class\_="form-control")}}

</div>

<button type="submit" class="btn btn-primary">Confirm Order</button>

</form>

</div>

</div>

</div>

{% endfor %}

</div>

{% endif %}

</div>

</div>

{% endblock %}

# Profile.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">{{session.s\_name}}</h1>

<div class="list-group">

<a href="/profile?user={{session.uid}}" class="list-group-item">Order List</a>

<a href="/settings?user={{session.uid}}" class="list-group-item">Settings</a>

</div>

</div>

<div class="col-lg-9">

<div class="card card-default my-4">

<div class="card-header">

<i class="fa fa-bar-chart-o fa-fw"></i>My order list

</div>

<div class="card-body">

<div class="row">

<div class="col-lg-12">

{% if result %}

<div class="table-responsive">

<table class="table table-bordered table-hover table-striped">

<thead>

<tr>

<th>Order No</th>

<th>Product ID</th>

<th>Quantity</th>

<th>Order Place</th>

<th>Mobile</th>

<th>Order Date</th>

<th>Delivery Date</th>

</tr>

</thead>

<tbody>

{% for order in result %}

<tr>

<td>{{order.id}}</td>

<td>{{order.pid}}</td>

<td>{{order.quantity}}</td>

<td>{{order.oplace}}</td>

<td>{{order.mobile}}</td>

<td>{{order.odate}}</td>

<td>{{order.ddate}}</td>

</tr>

{% endfor%}

</tbody>

</table>

</div>

{% else %}

<h3>No orders found</h3>

{% endif %}

<!-- /.table-responsive -->

</div>

</div>

</div>

</div>

</div>

</div>

</div>

{% endblock %}

# Register.html

{% extends 'layout.html' %}

{% block body %}

<div class="jumbotron">

<h2 style="text-align: center; color: #206aaa;">Sign Up Form</h2>

{% from "includes/\_formhelpers.html" import render\_field %}

<form method="POST" action="">

<div class="form-group">

{{render\_field(form.name, class\_="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.email, class="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.username, class="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.password, class="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.mobile, class="form-control")}}

</div>

<p>

<input type="submit" class="btn btn-primary" value="Sign Up">

</p>

</form>

</div>

{% endblock %}

# Search.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-12">

{% include 'includes/\_flashmsg.html' %}

<div class="row">

{% for product in products %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h3><a class="card-title" id="" href="/{{product.category}}?view={{product.id}}">{{ product.pName}}</a></h3>

<h4>₹24.99</h4>

<span class="text-warning"></span>

</div>

</div>

<!-- /.card -->

</div>

{% endfor %}

</div>

</div>

</div>

</div>

{% endblock %}

# Shoes.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">Shoes</h1>

<div class="list-group">

<a href="/tshirt" class="list-group-item">T-Shirt</a>

<a href="/wallet" class="list-group-item">Wallet</a>

<a href="/belt" class="list-group-item">Belt</a>

<a href="/shoes" class="list-group-item active">Shoes</a>

</div>

</div>

<div class="col-lg-9">

{% include 'includes/\_flashmsg.html' %}

<div id="carouselExampleIndicators" class="carousel slide my-4" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner" role="listbox" style="max-height: 300px">

<div class="carousel-item active">

<img class="d-block img-fluid" src="/static/image/other/watchwallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York" width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data- slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data- slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

<div class="row">

{% for product in shoes %}

<div class="col-12 col-sm-6 col-md-4 col-lg-4 col-xl-3 mb-4">

<div class="card h-100">

<a href="/shoes?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5 class="card-title">

<a href="/shoes?view={{product.id}}">{{ product.pName}}</a>

</h5>

<h4>₹{{product.price}}</h4>

</div>

<div class="card-footer">

<small class="text-muted"></small>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

{% endblock %}

# T-shirt.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">T-Shirt</h1>

<div class="list-group">

<a href="/tshirt" class="list-group-item active">T-Shirt</a>

<a href="/wallet" class="list-group-item">Wallet</a>

<a href="/belt" class="list-group-item">Belt</a>

<a href="/shoes" class="list-group-item">Shoes</a>

</div>

</div>

<div class="col-lg-9">

{% include 'includes/\_flashmsg.html' %}

<div id="carouselExampleIndicators" class="carousel slide my-4" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner" role="listbox" style="max-height: 300px">

<div class="carousel-item active">

<img class="d-block img-fluid" src="/static/image/other/watchwallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York" width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data- slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data- slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

<div class="row">

{% for product in tshirt %}

<div class="col-12 col-sm-6 col-md-4 col-lg-4 col-xl-3 mb-4">

<div class="card h-100">

<a href="/tshirt?view={{product.id}}">

<div class="card-img-top"

style="background: url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5 class="card-title">

<a href="/tshirt?view={{product.id}}">{{ product.pName}}</a>

</h5>

<h4>₹{{product.price}}</h4>

</div>

<div class="card-footer">

<small class="text-muted"></small>

</div>

</div>

</div>

{% endfor %}

</div>

</div>

</div>

</div>

{% endblock %}

## User\_settings.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">{{session.s\_name}}</h1>

<div class="list-group">

<a href="/profile?user={{session.uid}}" class="list-group-item">Order List</a>

<a href="/settings?user={{session.uid}}" class="list-group-item">Settings</a>

</div>

</div>

<div class="col-lg-9">

{% include 'includes/\_flashmsg.html' %}

<div class="card card-default my-4">

<div class="card-header">

<i class="fa fa-bar-chart-o fa-fw"></i>Update profile info

</div>

<div class="card-body">

{% if result %}

{% from "includes/\_formhelpers.html" import render\_field %}

<form method="POST" action="/settings?user={{result.id}}">

<div class="form-group">

{{render\_field(form.name, class\_="form-control", value=result.name)}}

</div>

<div class="form-group">

{{render\_field(form.email, class="form-control", value=result.email)}}

</div>

<div class="form-group">

{{render\_field(form.password, class="form-control")}}

</div>

<div class="form-group">

{{render\_field(form.mobile, class="form-control", value=result.mobile)}}

</div>

<p>

<input type="submit" class="btn btn-primary" value="Update Settings">

</p>

</form>

{% endif%}

</div>

</div>

</div>

</div>

</div>

{% endblock %}

# View\_product.html

{% extends 'layout.html' %}

{% block body %}

<!-- Page Content -->

<div class="container">

<div class="row">

<div class="col-lg-3 my-4">

<div class="list-group">

<a href="/tshirt" class="list-group-item">T-Shirt</a>

<a href="/wallet" class="list-group-item">Wallet</a>

<a href="/belt" class="list-group-item">Belt</a>

<a href="/shoes" class="list-group-item">Shoes</a>

</div>

</div>

<div class="col-lg-9">

<div class="row">

{% for product in tshirts %}

<div class="col-lg-6">

<div class="card mt-4">

<img class="card-img-top img-fluid" src="static/image/product/{{product.category}}/{{product.picture}}" alt="">

</div>

</div>

<div class="col-lg-6">

<div class="card card-outline-secondary my-4">

<div class="card-header"> Product Details

</div>

<div class="card-body">

<h3 class="card-title">{{ product.pName}}</h3>

<h4>₹{{ product.price}}</h4>

<p class="card-text">{{ product.description}}</p>

<a href="/{{product.category}}?order={{product.id}}" class="btn btn-success">Order

Now</a>

</div>

</div>

</div>

{% endfor %}

</div>

{% if x == '' %}

<h2 class="mb-4">No similar product found</h2>

{% else%}

<h2 class="mb-4">Similar product for you:</h2>

<div class="row">

{% for product in x[0] %}

<div class="col-lg-3 col-md-4 col-sm-6">

<div class="card mb-4">

<a href="/{{product.category}}?view={{product.id}}">

<div class="card-img-top id\_{{product.id}}" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5><a class="card-title" href="/{{product.category}}?view={{product.id}}">{{ product.pName}}</a></h5>

<h4>₹{{product.price}}</h4>

</div>

</div>

</div>

{% endfor %}

</div>

{% endif %}

</div>

</div>

</div>

{% endblock %}

# Wallet.html

{% extends 'layout.html' %}

{% block body %}

<div class="container">

<div class="row">

<div class="col-lg-3">

<h1 class="my-4">Wallet</h1>

<div class="list-group">

<a href="/tshirt" class="list-group-item">T-Shirt</a>

<a href="/wallet" class="list-group-item active">Wallet</a>

<a href="/belt" class="list-group-item">Belt</a>

<a href="/shoes" class="list-group-item ">Shoes</a>

</div>

</div>

<div class="col-lg-9">

{% include 'includes/\_flashmsg.html' %}

<div id="carouselExampleIndicators" class="carousel slide my-4" data-ride="carousel">

<ol class="carousel-indicators">

<li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="1"></li>

<li data-target="#carouselExampleIndicators" data-slide-to="2"></li>

</ol>

<div class="carousel-inner" role="listbox" style="max-height: 300px">

<div class="carousel-item active">

<img class="d-block img-fluid" src="/static/image/other/watchwallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York" width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

<div class="carousel-item">

<img class="d-block img-fluid" src="/static/image/other/t-shirt-wallpaper.jpg" alt="New

York"

width="1100" height="300">

<div class="carousel-caption">

<h3>Los Angeles</h3>

<p>We had such a great time in LA!</p>

</div>

</div>

</div>

<a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data- slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="sr-only">Previous</span>

</a>

<a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data- slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="sr-only">Next</span>

</a>

</div>

<div class="row">

{% for product in wallet %}

<div class="col-12 col-sm-6 col-md-4 col-lg-4 col-xl-3 mb-4">

<div class="card h-100">

<a href="/wallet?view={{product.id}}">

<div class="card-img-top" style="background:

url('static/image/product/{{product.category}}/{{product.picture}}'); background-repeat:no-repeat; background-size: cover; height:200px;width:100% ">

</div>

</a>

<div class="card-body">

<h5 class="card-title">

<a href="/wallet?view={{product.id}}">{{ product.pName}}</a>

</h5>

<h4>₹{{product.price}}</h4>

</div>

<div class="card-footer">

<small class="text-muted"></small>

</div>

</div>

</div>

{% endfor %}

</div>

</div>

</div>

</div>

{% endblock %}

# \_flashmsg.html

{% with messages = get\_flashed\_messages(with\_categories=true) %}

{% if messages %}

{% for category, message in messages %}

<div class="alert alert-{{ category }} alert-dismissible my-4" role="alert">

{{ message }}

</div>

{% endfor %}

{% endif %}

{% endwith %}

# \_footer.html

<section id="footer">

<div class="container">

<div class="row text-center text-xs-center text-sm-left text-md-left">

<div class="col-xs-12 col-sm-4 col-md-4">

<h5>Quick Links</h5>

<ul class="list-unstyled quick-links">

<li><a href="/"><i class="fa fa-angle-double-right"></i>Home</a></li>

<li><a href="/tshirt"><i class="fa fa-angle-double-right"></i>T-Shirt</a></li>

<li><a href="/belt"><i class="fa fa-angle-double-right"></i>Belt</a></li>

<li><a href="/shoes"><i class="fa fa-angle-double-right"></i>Shoes</a></li>

<li><a href="/wallet"><i class="fa fa-angle-double-right"></i>Wallet</a></li>

</ul>

</div>

<div class="col-xs-12 col-sm-4 col-md-4">

<h5>Social</h5>

<ul class="list-unstyled quick-links">

<li><a href="https://[www.linkedin.com/in/vkparamesh3232](http://www.linkedin.com/in/vkparamesh3232)">Linked In</a></li>

<li><a href="https://github.com/Vkparamesh">Git Hub</a>

</li>

</ul>

</div>

<div class="col-xs-12 col-sm-4 col-md-4">

<h5>About Team</h5>

<ul class="list-unstyled quick-links">

<li>Team ID : PNT2022TMID38912</li>

<li>Team Leader : PARAMESHWARAN V K</li>

<li>Team member : MANOJ ADHITHYAN A</li>

<li>Team member : MOHANRAJ M</li>

<li>Team member : DAYANITHI S</li>

</ul>

</div>

</div>

<div class="row">

<div class="col-xs-12 col-sm-12 col-md-12 mt-2 mt-sm-2 text-center text-white">

<p class="h6"> krishnasamy college of engineering and technology &copy All right Reversed.</p>

</div>

</div>

</div>

</section>

<script> window.watsonAssistantChatOptions = {

integrationID: "0319627f-d899-46cf-900d-e7d547432eff", // The ID of this integration. region: "eu-gb", // The region your integration is hosted in.

serviceInstanceID: "2187bdc6-3463-4336-a0e5-105ac4d979db", // 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>

# \_formhelper.html

{% macro render\_field(field) %}

<dt>{{ field.label }}</dt>

{{ field(\*\*kwargs)|safe }}

{% if field.errors %}

{% for error in field.errors %}

<span class="help-inline">{{ error }}</span>

{% endfor %}

{% endif %}

{% endmacro %}

# \_navbar.html

<nav class="navbar navbar-expand-lg navbar-light bg-white border-bottom shadow-sm fixed-top">

<img src="/static/image/logo.png" alt="logo" draggable="false" style="width: 50px; padding- right:5px;">

<a class="navbar-brand" href="/">Sundari Shopping</a>

<button class="navbar-toggler" type="button" data-toggle="collapse" data- target="#navbarResponsive"

aria-controls="navbarResponsive" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarResponsive">

<div class="input-group p-0 justify-content-center">

<form action="/search" method="get" class="w-100 m-0" style="padding-right: 20%;">

<div class="input-group-append rounded-left">

<input type="text" class="form-control rounded-left form-control-sm" autocomplete="off" style="float: left; border-radius: 0;" name="q" placeholder="What you want...">

<button class="btn btn-success btn-sm rounded-right" style="border-radius: 0;" type="submit">Search</button>

</div>

</form>

</div>

<ul class="navbar-nav ml-auto">

{% if session.logged\_in %}

<li class="nav-item"><a href="/" class="nav-link"><span class=""></span> Home</a></li>

<li class="nav-item"><a href="/profile?user={{session.uid}}" class="nav- link">{{session.s\_name}}</a>

</li>

<li class="nav-item"><a href="/out" class="nav-link"><span class=""></span> Logout</a></li>

{% else %}

<li class="nav-item"><a href="/" class="nav-link"><span class=""></span> Home</a></li>

<li class="nav-item"><a href="/register" class="nav-link"><span class=""></span> Signup</a></li>

<li class="nav-item"><a href="/login" class="nav-link"><span class=""></span> Login</a></li>

{% endif %}

</ul>

</div>

</nav>

# Add\_product.html

{% extends 'pages/layout.html' %}

{% block body %}

<div id="page-wrapper">

<div class="row">

<div class="col-lg-12">

<h1 class="page-header">Add Product</h1>

{% include 'includes/\_flashmsg.html' %}

</div>

<!-- /.col-lg-12 -->

</div>

<!-- /.row -->

<div class="row">

<div class="col-lg-12">

<div class="panel panel-default">

<div class="panel-body">

<div class="row">

<div class="col-lg-6">

<form role="form" enctype=multipart/form-data class="" action="/admin\_add\_product" method="post">

<div class="form-group">

<label>Product Name</label>

<input class="form-control" required="required" name="name" placeholder="Enter

name">

</div>

<div class="form-group">

<label>Price</label>

<input class="form-control" required="required" name="price" placeholder="Enter

price">

</div>

<div class="form-group">

<label>Description</label>

<textarea class="form-control" required="required" name="description" rows="3" placeholder="Write product description"></textarea>

</div>

<div class="form-group">

<label>Available</label>

<input class="form-control" required="required" name="available" placeholder="Available">

</div>

<div class="form-group">

<label>Category</label>

<select class="form-control" id="category\_id" onchange="populateList();" name="category">

<option value="tshirt">T-Shirt</option>

<option value="wallet">Wallet</option>

<option value="belt">Belt</option>

<option value="shoes">Shoes</option>

</select>

</div>

<div class="form-group level-container">

<label>level for T-shirt</label>

<div class="form-group">

<label class="checkbox-inline">

<input type="checkbox" name="tshirt" value="v\_shape">V-Shape

</label>

<label class="checkbox-inline">

<input type="checkbox" name="tshirt" value="polo">Polo T-shirt

</label>

<label class="checkbox-inline">

<input type="checkbox" name="tshirt" value="clean\_text">Clean Text

</label>

<label class="checkbox-inline">

<input type="checkbox" name="tshirt" value="design">Colorful Design

</label>

</div>

<label>Level for Wallet</label>

<div class="form-group">

<label class="checkbox-inline">

<input type="checkbox" name="wallet" value="chain">Chain

</label>

<label class="checkbox-inline">

<input type="checkbox" name="wallet" value="leather">Leather

</label>

<label class="checkbox-inline">

<input type="checkbox" name="wallet" value="design">Design

</label>

</div>

<label>Level for Belt</label>

<div class="form-group">

<label class="checkbox-inline">

<input type="checkbox" name="belt" value="leather">Leather

</label>

<label class="checkbox-inline">

<input type="checkbox" name="belt" value="hook">Hook

</label>

<label class="checkbox-inline">

<input type="checkbox" name="belt" value="color">Color

</label>

<label class="checkbox-inline">

<input type="checkbox" name="belt" value="design">Design

</label>

</div>

<label>Level for Shoes</label>

<div class="form-group">

<label class="checkbox-inline">

<input type="checkbox" name="shoes" value="formal">Formal

</label>

<label class="checkbox-inline">

<input type="checkbox" name="shoes" value="converse">Converse

</label>

<label class="checkbox-inline">

<input type="checkbox" name="shoes" value="loafer">Loafer

</label>

<label class="checkbox-inline">

<input type="checkbox" name="shoes" value="leather">Leather

</label>

</div>

</div>

<div class="form-group">

<label>Item</label>

<input class="form-control" required="required" name="item" placeholder="Ex:

watch/shoes">

</div>

<div class="form-group">

<label>Product Code</label>

<input class="form-control" required="required" name="code" placeholder="Enter

code">

</div>

<div class="form-group">

<label>Add Image</label>

<input type="file" required="required" name="picture">

</div>

<button type="submit" class="btn btn-default">Submit Button</button>

</form>

</div>

<!-- /.col-lg-6 (nested) -->

</div>

<!-- /.row (nested) -->

</div>

<!-- /.panel-body -->

</div>

<!-- /.panel -->

</div>

<!-- /.col-lg-12 -->

</div>

<!-- /.row -->

</div>

<!-- /#page-wrapper -->

{% endblock %}

# All\_orders.html

{% extends 'pages/layout.html' %}

{% block body %}

<div id="page-wrapper">

<div class="row">

<div class="col-lg-12">

<h1 class="page-header">Dashboard</h1>

{% include 'includes/\_flashmsg.html' %}

</div>

<!-- /.col-lg-12 -->

</div>

<!-- /.row -->

<div class="row">

<div class="col-lg-4 col-md-6">

<div class="panel panel-primary">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-list-ul fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{row}}</div>

<div>All Product</div>

</div>

</div>

</div>

<a href="/admin">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

<div class="col-lg-4 col-md-6">

<div class="panel panel-green">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-tasks fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{users\_rows}}</div>

<div>All Users</div>

</div>

</div>

</div>

<a href="/users">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

<div class="col-lg-4 col-md-6">

<div class="panel panel-yellow">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-shopping-cart fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{order\_rows}}</div>

<div>All Orders</div>

</div>

</div>

</div>

<a href="/orders">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

</div>

<!-- /.row -->

<div class="row">

<div class="col-lg-12">

<div class="panel panel-default my-4">

<div class="panel-heading">

<i class="fa fa-bar-chart-o fa-fw"></i>All Orders

</div>

<!-- /.panel-heading -->

<div class="panel-body">

<div class="row">

<div class="col-lg-12">

{% if result %}

<div class="table-responsive">

<table class="table table-bordered table-hover table-striped">

<thead>

<tr>

<th>Id</th>

<th>User Id</th>

<th>Name</th>

<th>Product Id</th>

<th>Quantity</th>

<th>Order Place</th>

<th>Mobile</th>

<th>Order Date</th>

<th>Delivery Date</th>

</tr>

</thead>

<tbody>

{% for product in result %}

<tr>

<td>{{product.id}}</td>

<td>{{product.uid}}</td>

<td>{{product.ofname}}</td>

<td>{{product.pname}}</td>

<td>{{product.quantity}}</td>

<td>{{product.oplace}}</td>

<td>{{product.mobile}}</td>

<td>{{product.odate}}</td>

<td>{{product.ddate}}</td>

</tr>

{% endfor%}

</tbody>

</table>

</div>

{% else %}

<h3>No orders found</h3>

{% endif %}

</div>

</div>

</div>

</div>

</div>

</div>

</div>

{% endblock %}

# All\_users.html

{% extends 'pages/layout.html' %}

{% block body %}

<div id="page-wrapper">

<div class="row">

<div class="col-lg-12">

<h1 class="page-header">Dashboard</h1>

{% include 'includes/\_flashmsg.html' %}

</div>

</div>

<div class="row">

<div class="col-lg-4 col-md-6">

<div class="panel panel-primary">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-list-ul fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{row}}</div>

<div>All Product</div>

</div>

</div>

</div>

<a href="/admin">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

<div class="col-lg-4 col-md-6">

<div class="panel panel-green">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-tasks fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{users\_rows}}</div>

<div>All Users</div>

</div>

</div>

</div>

<a href="/users">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

<div class="col-lg-4 col-md-6">

<div class="panel panel-yellow">

<div class="panel-heading">

<div class="row">

<div class="col-xs-3">

<i class="fa fa-shopping-cart fa-5x"></i>

</div>

<div class="col-xs-9 text-right">

<div class="huge">{{order\_rows}}</div>

<div>All Orders</div>

</div>

</div>

</div>

<a href="/orders">

<div class="panel-footer">

<span class="pull-left">View Details</span>

<span class="pull-right"><i class="fa fa-arrow-circle-right"></i></span>

<div class="clearfix"></div>

</div>

</a>

</div>

</div>

</div>

<div class="row">

<div class="col-lg-12">

<div class="panel panel-default my-4">

<div class="panel-heading">

<i class="fa fa-bar-chart-o fa-fw"></i>All Orders

</div>

<div class="panel-body">

<div class="row">

<div class="col-lg-12">

{% if result %}

<div class="table-responsive">

<table class="table table-bordered table-hover table-striped">

<thead>

<tr>

<th>Id</th>

<th>Name</th>

<th>Email</th>

<th>Username</th>

<th>Mobile</th>

<th>Registration Time</th>

<th>Online</th>

</tr>

</thead>

<tbody>

{% for product in result %}

<tr>

<td>{{product.id}}</td>

<td>{{product.name}}</td>

<td>{{product.email}}</td>

<td>{{product.username}}</td>

<td>{{product.mobile}}</td>

<td>{{product.reg\_time}}</td>

<td>{{product.online}}</td>

</tr>

{% endfor%}

</tbody>

</table>

</div>

{% else %}

<h3>No user found</h3>

{% endif %}

</div>

</div>

</div>

</div>

</div>

</div>

{% endblock %}

# Edit\_product.html

{% extends 'pages/layout.html' %}

{% block body %}

<div id="page-wrapper">

<div class="row">

<div class="col-lg-12">

<h1 class="page-header">Edit Product</h1>

{% include 'includes/\_flashmsg.html' %}

</div>

</div>

<div class="row">

<div class="col-lg-12">

<div class="panel panel-default">

<div class="panel-body">

<div class="row">

<div class="col-lg-6">

{% for product in product%}

<form role="form" enctype=multipart/form-data class="" action="/edit\_product?id={{product.id}}"

method="post">

<div class="form-group">

<label>Product Name</label>

<input class="form-control" required="required" name="name" value="{{product.pName}}" placeholder="Enter name">

</div>

<div class="form-group">

<label>Price</label>

<input class="form-control" required="required" name="price" value="{{product.price}}" placeholder="Enter price">

</div>

<div class="form-group">

<label>Description</label>

<textarea class="form-control" required="required" name="description" rows="3" placeholder="Write product description">{{product.description}}</textarea>

</div>

<div class="form-group">

<label>Available</label>

<input class="form-control" required="required" value="{{product.available}}" name="available" placeholder="Available">

</div>

<div class="form-group">

<label>Category</label>

<select class="form-control" id="category\_id" onchange="populateList();" name="category">

{% if product.category == 'tshirt' %}

<option value="tshirt" selected>T-Shirt</option>

{% else %}

<option value="tshirt">T-Shirt</option>

{% endif %}

{% if product.category == 'wallet' %}

<option value="wallet" selected>Wallet</option>

{% else %}

<option value="wallet">Wallet</option>

{% endif %}

{% if product.category == 'belt' %}

<option value="belt" selected>Belt</option>

{% else %}

<option value="belt">Belt</option>

{% endif %}

{% if product.category == 'shoes' %}

<option value="shoes" selected>Shoes</option>

{% else %}

<option value="shoes">Shoes</option>

{% endif %}

</select>

</div>

{% for product\_level in product\_level %}

<div class="form-group level-container">

{% if product.category == 'tshirt' %}

<label>level for T-shirt</label>

<div class="form-group">

<label class="checkbox-inline active">

{% if product\_level.v\_shape == 'yes' %}

<input type="checkbox" checked name="tshirt" value="v\_shape">V-Shape

{% else%}

<input type="checkbox" name="tshirt" value="v\_shape">V-Shape

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.polo == 'yes' %}

<input type="checkbox" checked name="tshirt" value="polo">Polo T-shirt

{% else%}

<input type="checkbox" name="tshirt" value="polo">Polo T-shirt

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.clean\_text == 'yes' %}

<input type="checkbox" checked name="tshirt" value="clean\_text">Clean Text

{% else%}

<input type="checkbox" name="tshirt" value="clean\_text">Clean Text

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.design == 'yes' %}

<input type="checkbox" checked name="tshirt" value="design">Colorful Design

{% else%}

<input type="checkbox" name="tshirt" value="design">Colorful Design

{% endif %}

</label>

</div>

{% endif %}

{% if product.category == 'wallet' %}

<label>Level for Wallet</label>

<div class="form-group">

<label class="checkbox-inline">

{% if product\_level.chain == 'yes' %}

<input type="checkbox" checked name="wallet" value="chain">Chain

{% else%}

<input type="checkbox" name="wallet" value="chain">Chain

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.leather == 'yes' %}

<input type="checkbox" checked name="wallet" value="leather">Leather

{% else%}

<input type="checkbox" name="wallet" value="leather">Leather

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.design == 'yes' %}

<input type="checkbox" checked name="wallet" value="design">Design

{% else%}

<input type="checkbox" name="wallet" value="design">Design

{% endif %}

</label>

</div>

{% endif %}

{% if product.category == 'belt' %}

<label>Level for Belt</label>

<div class="form-group">

<label class="checkbox-inline">

{% if product\_level.leather == 'yes' %}

<input type="checkbox" checked name="belt" value="leather">Leather

{% else%}

<input type="checkbox" name="belt" value="leather">Leather

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.hook == 'yes' %}

<input type="checkbox" checked name="belt" value="hook">Hook

{% else%}

<input type="checkbox" name="belt" value="hook">Hook

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.color == 'yes' %}

<input type="checkbox" checked name="belt" value="color">Color

{% else%}

<input type="checkbox" name="belt" value="color">Color

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.design == 'yes' %}

<input type="checkbox" checked name="belt" value="design">Design

{% else%}

<input type="checkbox" name="belt" value="design">Design

{% endif %}

</label>

</div>

{% endif %}

{% if product.category == 'shoes' %}

<label>Level for Shoes</label>

<div class="form-group">

<label class="checkbox-inline">

{% if product\_level.formal == 'yes' %}

<input type="checkbox" checked name="shoes" value="formal">Formal

{% else%}

<input type="checkbox" name="shoes" value="formal">Formal

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.converse == 'yes' %}

<input type="checkbox" checked name="shoes" value="converse">Converse

{% else%}

<input type="checkbox" name="shoes" value="converse">Converse

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.loafer == 'yes' %}

<input type="checkbox" checked name="shoes" value="loafer">Loafer

{% else%}

<input type="checkbox" name="shoes" value="loafer">Loafer

{% endif %}

</label>

<label class="checkbox-inline">

{% if product\_level.leather == 'yes' %}

<input type="checkbox" name="shoes" checked value="leather">Leather

{% else%}

<input type="checkbox" name="shoes" value="leather">Leather

{% endif %}

</label>

</div>

{% endif %}

</div>

{% endfor %}

<div class="form-group">

<label>Item</label>

<input class="form-control" required="required" name="item" value="{{product.item}}" placeholder="Ex: watch/shoes">

</div>

<div class="form-group">

<label>Product Code</label>

<input class="form-control" required="required" value="{{product.pCode}}" name="code" placeholder="Enter code">

</div>

<div class="form-group">

<label>Add Image</label>

<input type="file" name="picture">

</div>

<button type="submit" class="btn btn-default">Submit Button</button>

</form>

{% endfor %}

</div>

</div>

</div>

</div>

</div>

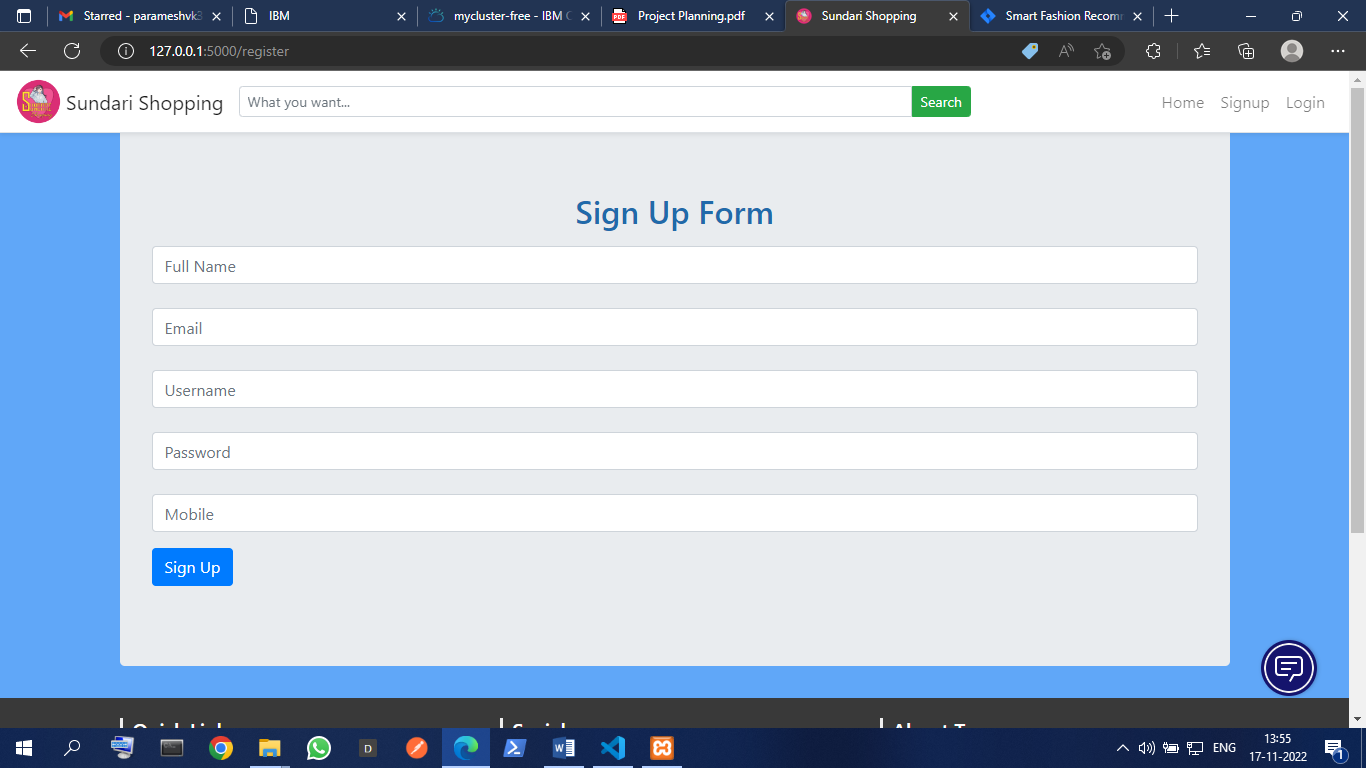
</div>

</div>

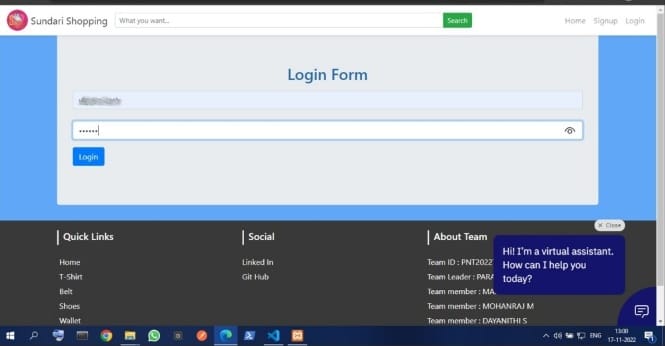
{% endblock %}

# SCREENSHOTS

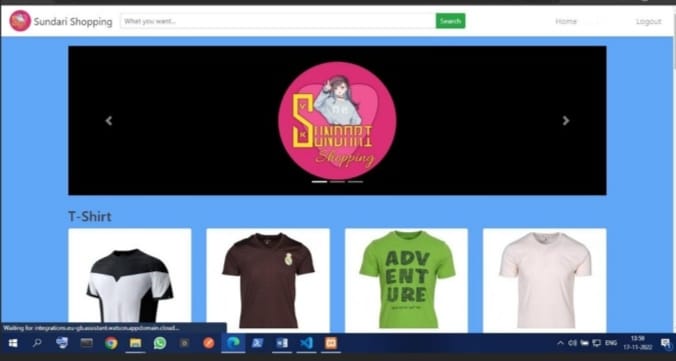
**Register page**



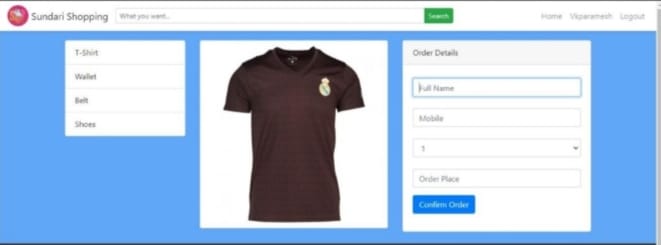
# Login Page

****

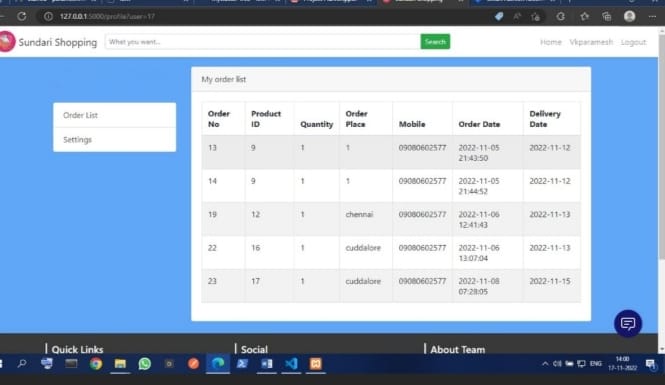
**Home page**

****

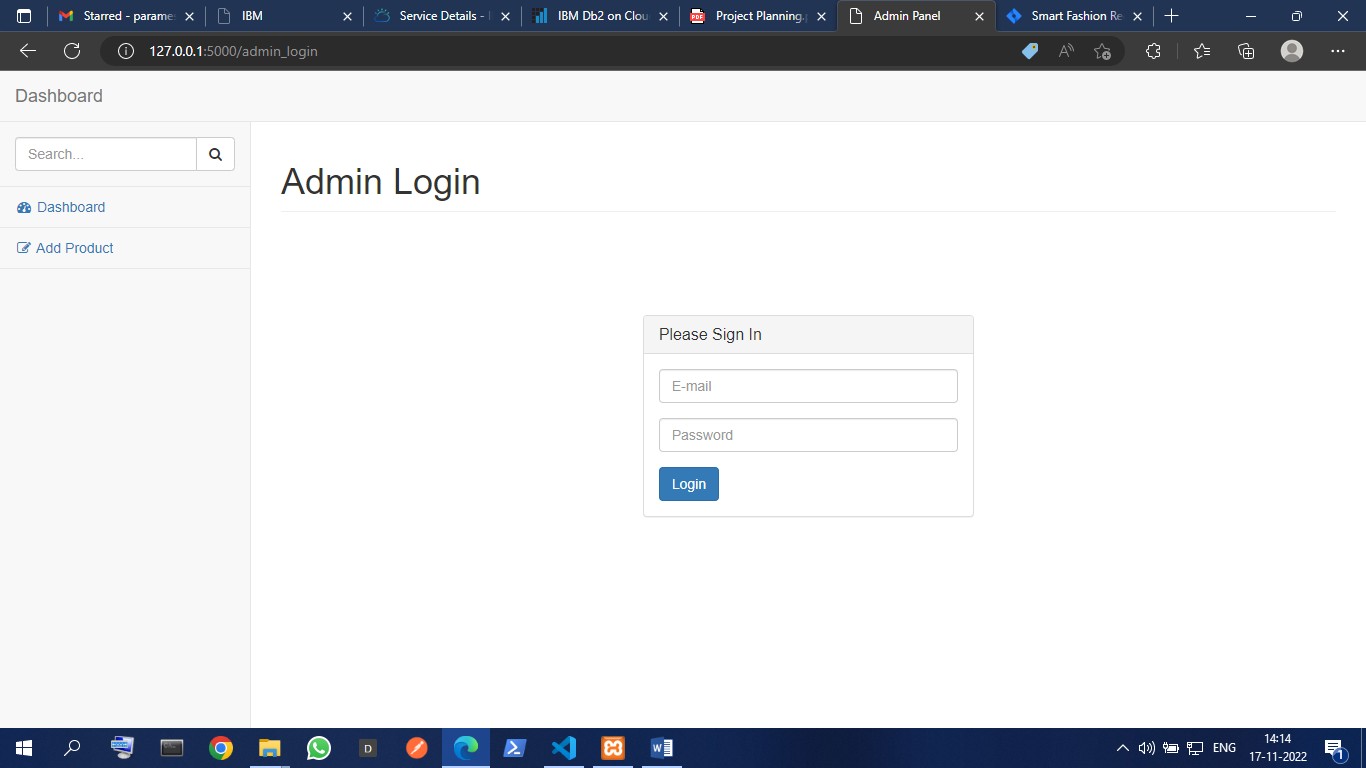
# Order Page

****

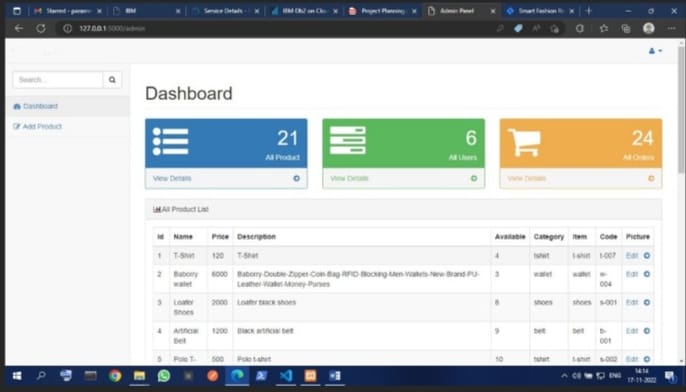
**Profile Page**

****

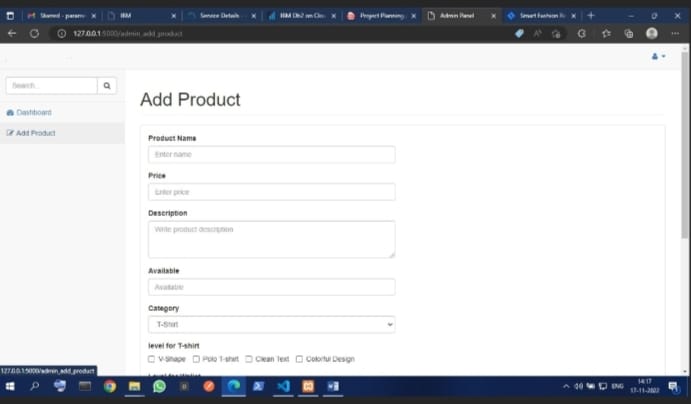
# Admin Login Page



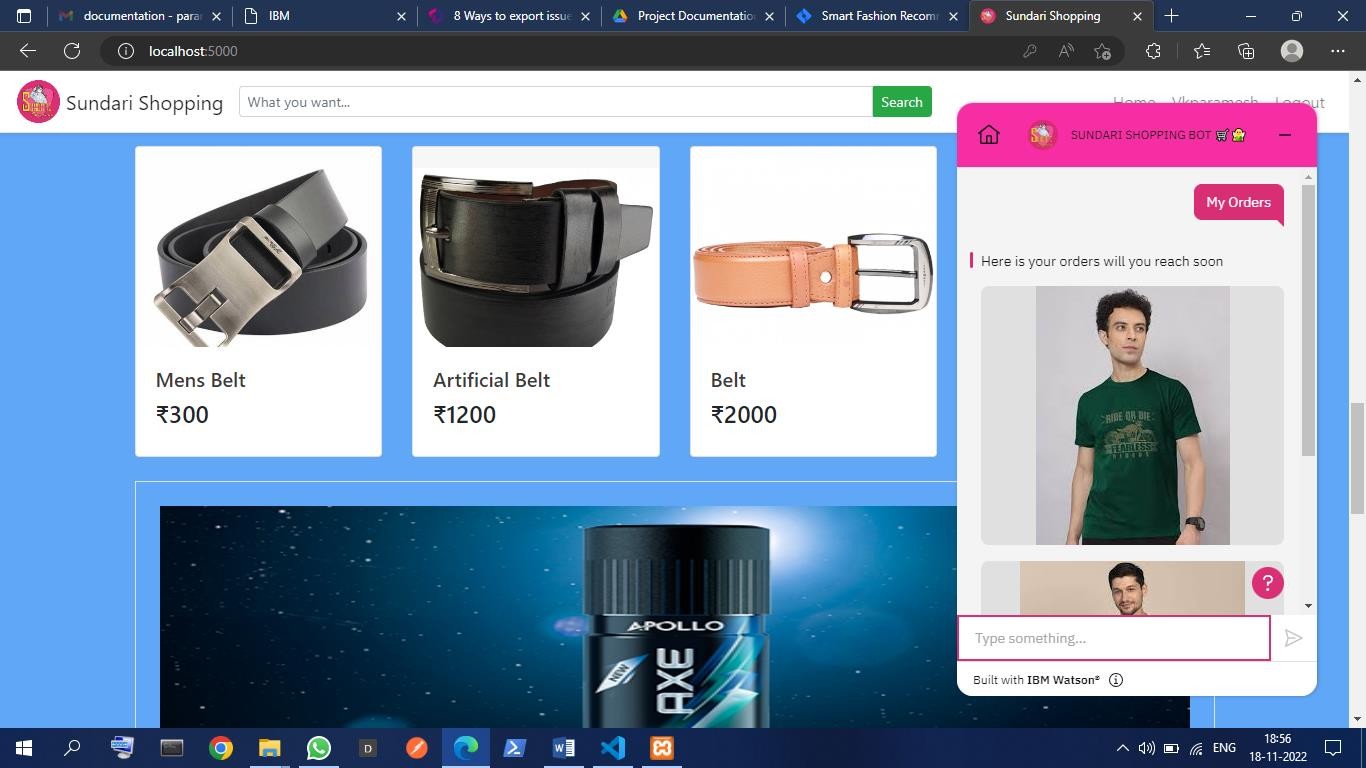
**Admin Dashboard Page**

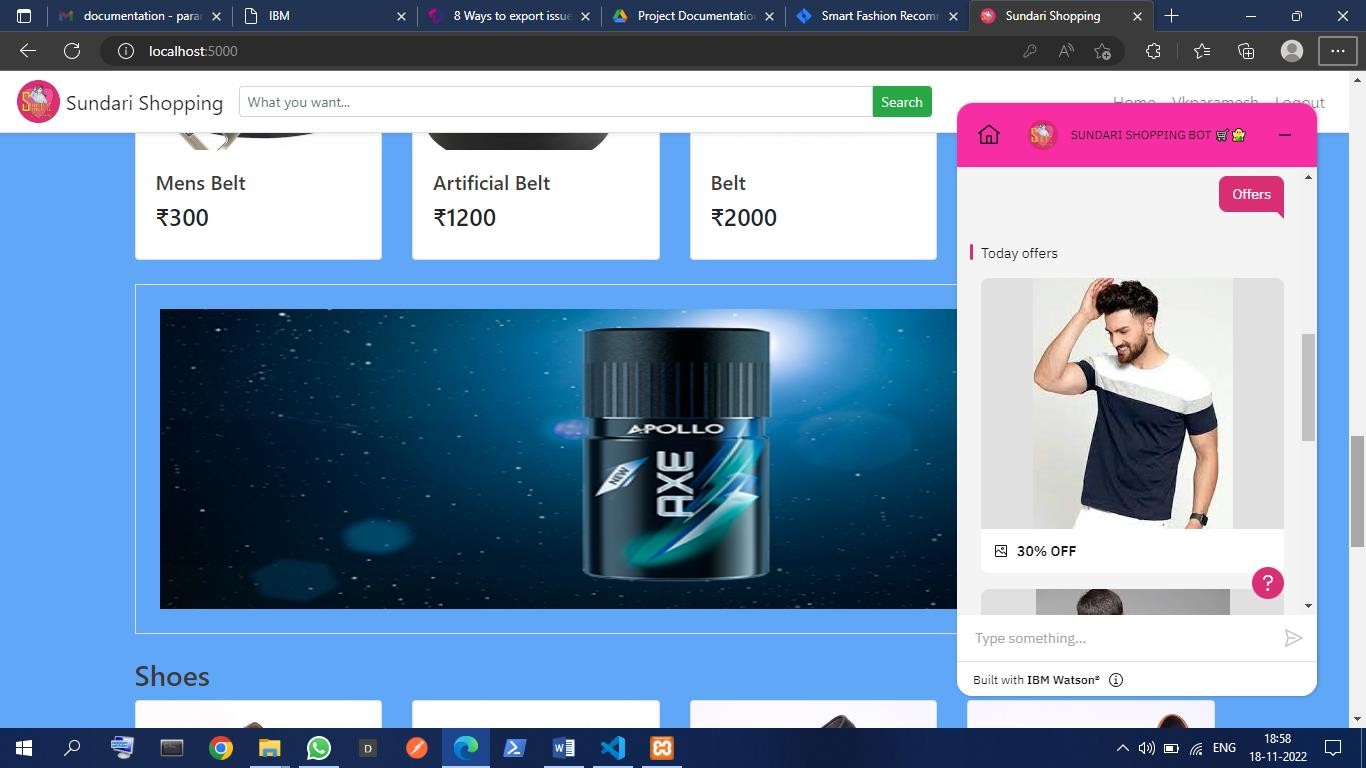
****

# Add Product Page

****

**Integrate Chat Bot**





# GITHUB & PROJECT DEMO LINK

* Our GitHub Repository Direct Link

[IBM-EPBL/IBM-Project-52126-1660989605: Smart Fashion Recommender Application](https://github.com/IBM-EPBL/IBM-Project-40862-1660636795) [(github.com)](https://github.com/IBM-EPBL/IBM-Project-40862-1660636795)

* Project Demonstration Video Direct Link

[Smart Fashion Recommender Application - YouTube](https://www.youtube.com/watch?v=PijPa1Nt_zU)

https://youtu.be/LF5LK1yL47g