











SMART FASHION RECOMMENDER APPLICATION

IBM – DOCUMENTATION

UNDER THE GUIDANCE OF

INDUSTRY MENTOR(S) NAME : Krishna Chaitanya

FACULTY MENTOR(S) NAME : SRINIVASAN M

TEAM ID: PNT2022TMID40988

SUBMITTED BY:

HARISH A 611819205008

IMRAN KHAN Y 611819205009

MADHAN KUMAR 611819205011

TAMILARASAN V 611819205032

DEPARTMENT OF INFORMATION TECHNOLOGY P.S.V COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY :: 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

1.1 PROJECT OVERVIEW

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

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

In this project you will be working on two modules:

- 1. Admin and
- 2. User

Admin:

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

User:

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

1.2 PURPOSE

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

2. LITERATURE SURVEY

2.1 EXISTING PROBLEM

1. Fashion item representation

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

2. Fashion item compatibility

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

3. Personalization and fit

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

4. Interpretability and explanation

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

5. Discovering trends

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

2.2 REFERENCES

"A Systematic Study on the Recommender Systems in the E-Commerce"

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

2.3 PROBLEM STATEMENT DEFINITION

Problem Statement 1:

The User Needs a way to Find Trending Fashion Clothes so that Here find the All Collections Problem Statement 2:

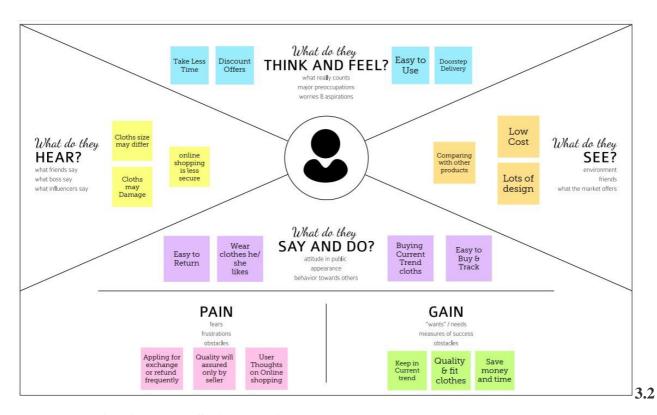
The User Needs a way to Find Offers and Discounts so that Here User easy to find Daily Offers Problem Statement 3:

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

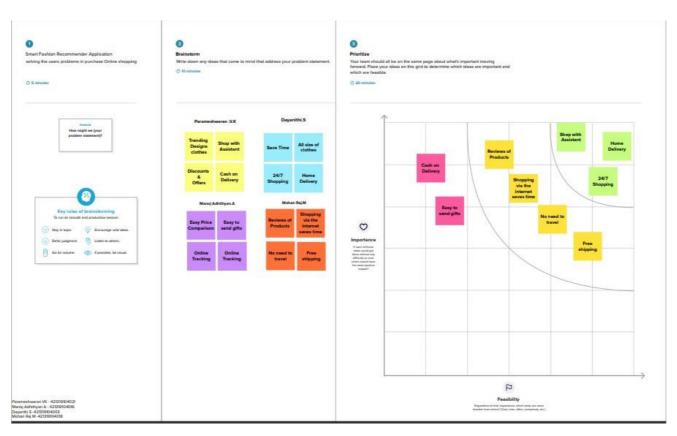
The Sellers Needs a way to struggling to sells products offline so that Here Sellers will Sell Products via our application.

3. IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS



3.2 IDEATION & BRAINSTORMING



3.3 PROPOSED SOLUTION

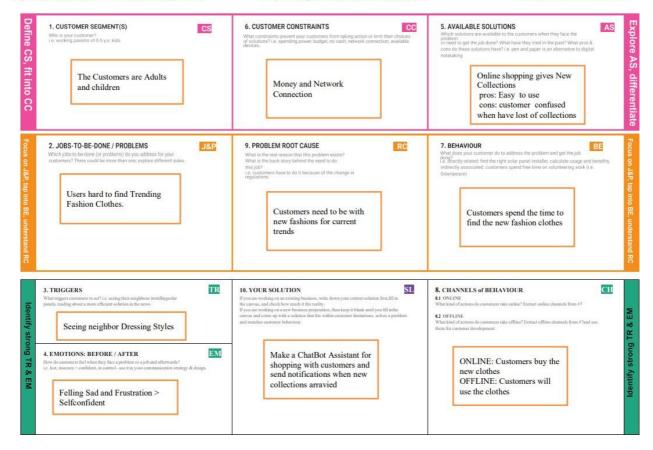
| S. No | Parameter | Description |
|-------|--|--|
| 1. | Problem Statement (Problem to be solved) | Customers feels difficult when Search many websites to find Fashion clothes and accessories. |
| 2. | Idea / Solution description | Customers directly make online shopping based on customer choice without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

3.4 PROBLEM SOLUTION FIT

Project Title: Smart Fashion Recommender Application

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID38912



4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|-------------------------------------|
| FR-1 | User Registration | Registration through Form |
| 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 |

4.2 NON-FUNCTIONAL REQUIREMENTS

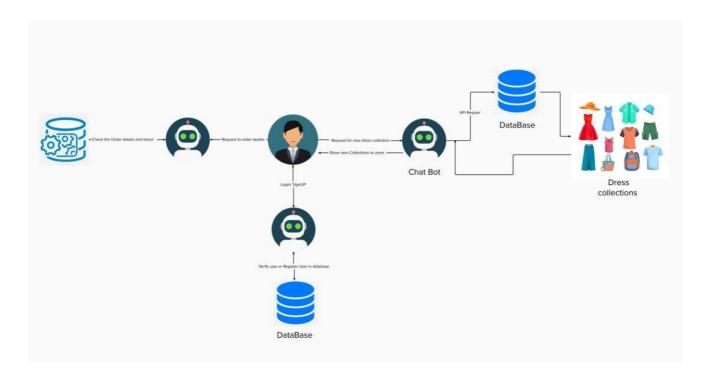
Following are the non-functional requirements of the proposed solution.

| 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. |

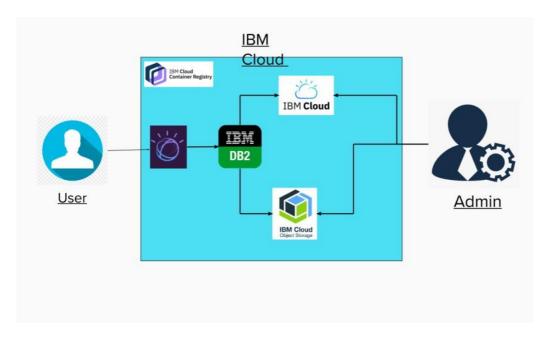
5. PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

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



5.2 SOLUTION & TECHNICAL ARCHITECTURE



5.3 USER STORIES

User Stories

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

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

6. PROJECT PLANNING & SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION

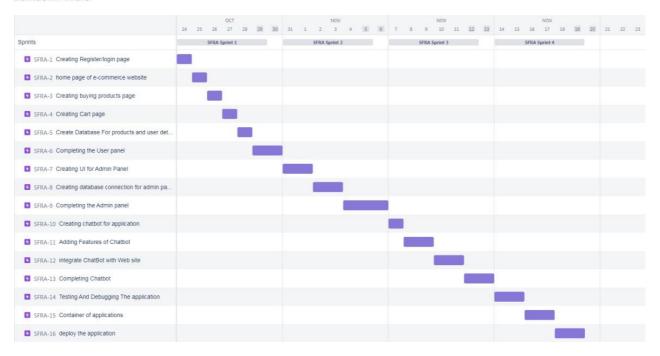
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|----------------------------------|----------------------|--|--------------|----------|---|
| Sprint-1 | User Panel | USN-1 | The user will login into the website and go through the products available on the website | 20 | High | PARAMESHWARAN V K MANOJ ADHITHYAN A MOHANRAJ M DAYANITHI S |
| Sprint-2 | Admin panel | USN-2 | 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. | 20 | High | PARAMESHWARAN V K MANOJ ADHITHYAN A MOHANRAJ M DAYANITHI S |
| Sprint-3 | Chat Bot | USN-3 | The user can directly talk to Chatbot regarding the products. Get the recommendations based on information provided by the user. | 20 | High | PARAMESHWARAN V K MANOJ ADHITHYAN A MOHANRAJ M DAYANITHI S |
| Sprint-4 | final delivery | USN-4 | Container of applications using docker kubernetes and deployment the application. Create the documentation and final submit the application | 20 | High | PARAMESHWARAN V K MANOJ ADHITHYAN A MOHANRAJ M DAYANITHI S |

6.2 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 |

6.3 REPORTS FROM JIRA

Burndown Chart:

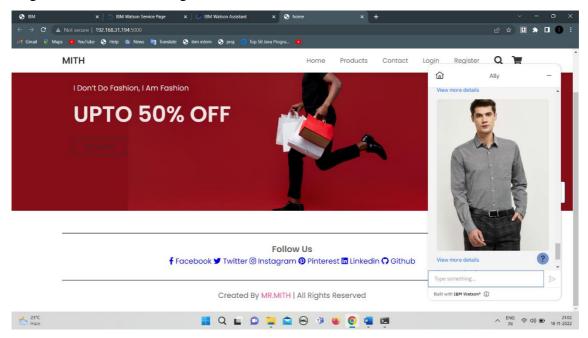


CODING & SOLUTIONING

7.1 FEATURE 1

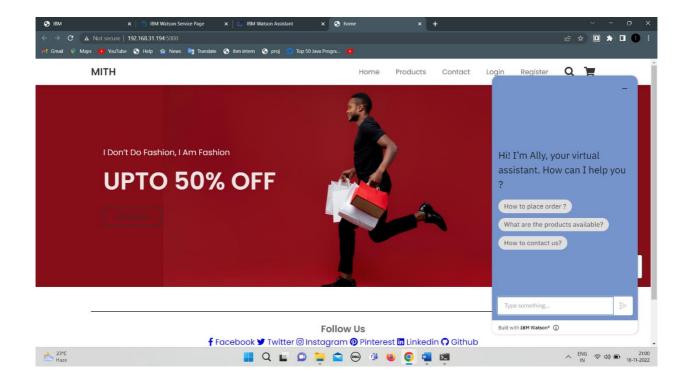
7.

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

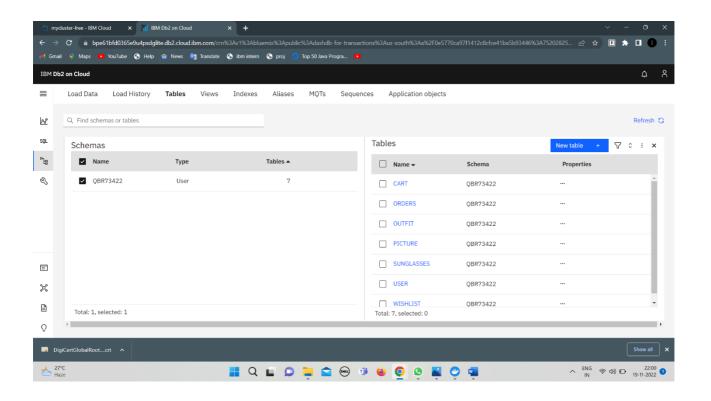


7.2 FEATURE 2

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



7.3 DATABASE SCHEMA



8. TESTING

8.1 TEST CASES

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

| Section | Total Cases | Not Tested | Fail | Pass |
|---------------------|--------------------|------------|------|------|
| Login | 5 | 0 | 0 | 5 |
| Register | 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 |

8.2 USER ACCEPTANCE TESTING

Purpose of Document

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

Defect Analysis

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

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|----------------|------------|------------|------------|------------|----------|
| By Design | 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 |

9. RESULT

9.1 PERFORMANCE METRICS

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

| | | | | | NFT - Risk Asse | ssment | | | |
|------|---------------------------------------|-------------------|--------------------|---------------------------------------|-------------------|---|------------------------|-------------------|-----------------------------|
| S.No | Project Name | Scope/feature | Functional Changes | Hardware Changes | Software Changes | Impact of Downtime | Load/Voluem Changes | Risk Score | Justification |
| 1 | Smart Fashion Recommender Application | New | Low | No Changes | Moderate | | >5 to 10% | ORANGE | As we have seen the chnages |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | NFT - Detailed 1 | est Plan | | | |
| | | | S.No | Project Overview | NFT Test approach | Assumptions/Dependencies/Risks | Approvals/SignOff | | |
| | | | 1 | Smart Fashion Recommender Application | Manual testing | laptop or mobile with internet connection | n vkparameshwaran | | |
| | | | | | | | | | |
| | (I | | | 1 | End Of Test F | leport | | | |
| | | | | | | | Identified Defects | 10 10 | |
| S.No | Project Overview | NFT Test approach | NFR - Met | Test Outcome | GO/NO-GO decision | Recommendations | (Detected/Closed/Open) | Approvals/SignOff |] |
| | Smart Fashion Recommender Application | Manule | | Worked as we expected | | Use Laptop / desktop Mode | No Defects | Vkparameshwaran | |

10. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

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

DISADVANTAGES:

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

11. CONCLUSION

Recommendation systems have the potential to explore new opportunities for retailers by enabling them to provide customized recommendations to consumers based on information retrieved from the Internet. They help consumers to instantly find the products and services that closely match with their choices. Moreover, different 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.

12. FUTURE SCOPE

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

13. APPENDIX

13.1 SOURCE CODE

App.py

```
from flask import *
from connect import *
import datetime
from urllib.parse import urlparse
import smtplib
import random
from followback import *
app= Flask( name )
app.config['SECRET KEY'] = 'df0331cefc6c2b9a5d0208a726a5d1c0fd37324feba25506'
app= Flask( name )
app.config['SECRET KEY'] = 'df0331cefc6c2b9a5d0208a726a5d1c0fd37324feba25506'
app.config['MAIL SERVER']='support.gmail.com'
app.config['MAIL_PORT'] = 587
app.config['MAIL_USERNAME'] = 'mith123@gmail.com'
app.config['MAIL_PASSWORD'] = 'nhmhbqmdeuxrhvwv'
app.config['MAIL_USE_TLS'] = True
app.config['MAIL USE SSL'] = False
mail = Mail(app)
def mail service(mailid,sub,body):
    msg = Message(sub,sender="mithfashions@gmail.com",recipients=[mailid])
    msg.body = body
    mail.send(msg)
    print("Sent")
  except Exception as e:
    print("error")
#cart
@app.route("/cart",methods=('GET','POST'))
def cart page():
  userid=session.get('logged in userid', None)
  uname = session.get('logged_in_username', None)
  arr = fetch_cartarr(userid)
  amtarr=totamtcalculation(arr)
  if request.method == 'POST':
    prodid = request.form['prodid']
    print(prodid+"PRODID FROM CART")
    print(arr)
    flag = 0
    for cartitems in arr:
```

```
if (cartitems[6] == prodid and cartitems[8] > 1):
        flag = 1
        updatequery = "UPDATE cart set quantity=quantity-1 where prodid="" + prodid + """
        ibm db.exec immediate(conn, updatequery)
    if (flag != 1):
      querycart = "DELETE from cart where prodid="" + prodid + """
      ibm db.exec immediate(conn, querycart)
  return
render template("cart.html",cartarr=arr,totcost=amtarr[0],totdis=amtarr[1],netamt=amtarr[2],uname=uname,le
ncartarr=len(arr))
#home page
@app.route("/")
def home_page():
  logged in username = session.get('logged in username', None)
  logged in userid = session.get('logged in userid', None)
  return render_template("home.html",uname=logged_in_username,userid=logged_in_userid)
#logout page
@app.route("/logout")
def logout_pg():
 session.clear()
  return redirect(url_for('loginpage'))
@app.route('/redirect to')
def redirect_to():
 link = request.args.get('link', '/')
  return redirect(link), 301
@app.route("/register",methods=('GET','POST'))
def regpage():
  if request.method == 'POST':
    sub="Verify your email for Sash Vogue"
    form checkvals = request.form.getlist("checkval")
    userid=str(random.randint(16565565445345,96565565445345))
    email = request.form['mail']
    dob=request.form['DOB']
    username = request.form['username']
    password=request.form['password']
    contact=request.form['contact']
    address=request.form['address']
    query="insert into user
values(""+userid+"",""+username+"",""+contact+"",""+password+"",""+email+"",""+dob+"",""+address+"")"
    stmt=ibm_db.exec_immediate(conn,query)
    rowcount=ibm db.num rows(stmt)
    subject="Verify email for Sash Vogue"
    body="You have been successfully registered with Sash Vogue Community."
```

```
if(len(form_checkvals) !=0 and form_checkvals[0]=='yes'):
      mail service(email, subject, body)
    return redirect(url_for('loginpage'))
  return render_template("registration.html")
@app.route("/login",methods=('GET','POST'))
def loginpage():
 type='user'
 if request.method == 'POST':
    uname = request.form['uname']
    password = request.form['password']
    query = "select COUNT(*)from user where username="+uname+" and password="+password+""
    stmt5 = ibm_db.exec_immediate(conn,query)
    row = ibm db.fetch tuple(stmt5)
    query1="select * from user where username=""+uname+"" and password=""+password+"""
    stmt2= ibm_db.exec_immediate(conn,query1)
    row2= ibm db.fetch tuple(stmt2)
    if(row[0] == 1):
      session['logged in username'] = uname
      session['logged_in_userid'] = row2[0]
      session['logged in usermail']=row2[4]
      print(row2[4])
      print(row2[1])
      return redirect(url for('home page'))
    else:
      flash("Invalid credentials! Please enter correct details")
  return render_template("login.html",type=type)
@app.route("/payment",methods=('GET','POST'))
def payment_pg():
 userid = session.get('logged_in_userid', None)
  uname = session.get('logged_in_username', None)
 arr = fetch cartarr(userid)
 actualmon=datetime.date.today().month
 actualday=datetime.date.today().day
  amtarr = totamtcalculation(arr)
 print(amtarr)
render template("payment.html",netamt=amtarr[2],birthdaycoupon=birthdaycoupon,userid=userid,res=res,una
me=uname)
@app.route("/addstock")
def add Stockpg():
 return render_template("addstock.html")
```

```
@app.route("/adminlogin",methods=('GET','POST'))
def adminloginpage():
 type='admin'
 if request.method == 'POST':
    actualuname='admin'
    actualpassword='123'
    uname = request.form['uname']
    password = request.form['password']
    if(actualpassword == password and actualuname == uname ):
      return redirect(url_for('home_page'))
    else:
      flash("Invalid credentials! Please enter correct details")
  return render_template("login.html",type=type)
@app.route('/admin')
def adminhomepage():
 arr=[]
 query="select prodid,prodname,category,type,brand,price from outfit ORDER BY prodid"
 stmt = ibm db.exec immediate(conn, query)
 row = ibm_db.fetch_tuple(stmt)
 while (row):
    arr.append(row) # appending all dictionaries in arr
    row = ibm_db.fetch_tuple(stmt) # incrementing that is to next row
  return render_template("adminhome.html",prodarr=arr)
@app.route("/productdetails/<category>/<type>/<prodid>",methods=('GET','POST'))
def product detailspg(category,type,prodid):
 o = urlparse(request.base_url)
 userid = session.get('logged in userid', None)
  uname = session.get('logged_in_username', None)
 if (request.method=='POST'):
    if(uname !=None):
      arr = fetch_cartarr(userid)
      insert intocart(arr,prodid,category,userid,type)
      return redirect(url_for('cart_page'))
    else:
      flash("Oops! Seems like you haven't registered with us. Sign Up")
  api=fetchapi(category)
  res18empty=False
  res19empty=False
  query="select o.*,p.pic1,p.pic2,p.pic3,p.pic1 from outfit o inner join picture p on o.prodid=p.prodid where
o.prodid=""+prodid+"""
 stmt = ibm db.exec immediate(conn, query)
  res = ibm db.fetch tuple(stmt)
  pricedisplay= round(res[2] -(res[2]*res[6] / 100))
 if ((res[18] == None) or (res[18] == "nil")):
```

```
res18empty = True
  if( (res[19]==None) or (res[19]=="nil") ):
    res19empty=True
  return
render template("productdetails.html",category=category,type=type,prodid=prodid,result=res,api=api,res18emp
ty=res18empty,res19empty=res19empty,pricedisplay=pricedisplay,hostname=o.hostname,port=o.port,uname=u
name)
@app.route("/sunglasses /<category>/<type>///methods=('GET','POST'))
def sunglasses_detailspg(category,type,prodid):
  o = urlparse(request.base url)
  api=fetchapi(category)
  uname = session.get('logged in username', None)
  userid = session.get('logged in userid', None)
  if (request.method=='POST'):
    if (uname != None):
      arr = fetch_cartarr(userid)
      insert intocart(arr, prodid, category, userid, type)
      flash("Please login to add the products to cart")
  api=fetchapi(category)
  query="select o.*,p.pic1,p.pic2,p.pic3,p.pic4,o.offer from sunglasses o inner join picture p on
o.prodid=p.prodid where o.prodid=""+prodid+"""
  stmt = ibm_db.exec_immediate(conn, query)
  res = ibm db.fetch tuple(stmt)
  pricedisplay = round(res[2] - (res[2] * res[17] / 100))
render_template("sunglasses_details.html",category=category,type=type,prodid=prodid,result=res,api=api,priced
isplay=pricedisplay,hostname=o.hostname,port=o.port,uname=uname)
@app.route('/wishlist')
def wishlist pg():
  userid = session.get('logged_in_userid', None)
  uname = session.get('logged_in_username', None)
  arr=fetchwishlist(userid)
  return render template("wishlist.html", wishlistarr=arr, uname=uname)
@app.route("/products/<category>/<type>",methods=('GET','POST'))
def products_page(category,type):
  arr=[]
  userid = session.get('logged in userid', None)
  uname = session.get('logged_in_username', None)
  api=""
  if(request.method=='POST'):
    prodid=request.form['prodid']
    if(uname != None):
```

```
insertwishlist="insert into wishlist values (""+userid+"",""+prodid+"")"
      ibm db.exec immediate(conn,insertwishlist)
    else:
      flash("Oops! Seems like you haven't registered with us. Sign Up")
  if(type != "Sunglasses"): #since sunglasses differ some characteristics with other products need to create
separate page.
    api=fetchapi(category)
    query="select o.prodid,o.prodname,o.brand,o.price,p.pic1,p.pic2,p.pic3,p.pic4,o.offer from outfit o inner
join picture p on o.prodid=p.prodid where category=""+category+"' and type=""+type+""
    stmt = ibm_db.exec_immediate(conn, query)
    row = ibm_db.fetch_tuple(stmt)
    while (row):
      arr.append(row) # appending all dictionaries in arr
      row = ibm_db.fetch_tuple(stmt) # incrementing that is to next row
  else:
    api = fetchapi(category)
    query = "select o.prodid,o.prodname,o.brand,o.price,p.pic1,p.pic2,p.pic3,p.pic4,o.offer from sunglasses o
inner join picture p on o.prodid=p.prodid where category=""+category+"" and type=""+type+"""
    stmt = ibm_db.exec_immediate(conn, query)
    row = ibm db.fetch tuple(stmt)
    while (row):
      arr.append(row) # appending all dictionaries in arr
      row = ibm_db.fetch_tuple(stmt) # incrementing that is to next row
render_template("products.html",productsarr=arr,category=category,type=type,api=api,userid=userid,uname=un
ame)
if(__name__=='__main___'):
  app.run(host ='0.0.0.0', port = 5000)
```

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>home</title>
 <!-- font awesome cdn link -->
 <!-- custom css file link -->
 <link rel="stylesheet" href="{{url_for('static', filename='css/style.css')}}">
 <!-- custom js file link -->
 <script src="static/js/script.js" defer></script>
</head>
<body>
<!-- header section starts -->
<header class="header">
 <a href="/login" class="logo"> MITH </a>
 <nav class="navbar">
   <a href="/index">home</a>
     <a href="/products">products</a>
         <a href="/kids">Kids</a>
         <a href="/women">Women</a>
         <a href="/men">Men</a>
       <a href="/contact">contact</a>
     <a href="">login</a>
       <a href="/adminlogin">Admin</a>
         <a href="/login">User</a>
       <a href="/register">register</a>
     </nav>
 <div class="icons">
   <div id="menu-btn" class="fas fa-bars"></div>
   <div id="search-btn" class="fas fa-search"></div>
   <a href="/cart" class="fas fa-shopping-cart"></a>
   <a href="/myprofile" class="fas fa-user"></a>
 </div>
 <form action="" class="search-form">
   <input type="search" name="" placeholder="search here..." id="search-box">
   <label for="search-box" class="fas fa-search"></label>
 </form>
</header>
```

```
<!-- header section ends -->
<!-- home section starts -->
<section class="home">
  <div class="slide active" style="background: url(static/images/home-bg-11.jpg);">
    <div class="content">
      <span>I don't do fashion, I am Fashion</span>
      <h3>upto 50% off</h3>
      <a href="#" class="btn">shop now</a>
    </div>
  </div>
  <div class="slide" style="background: url(static/images/home-bg-22.jpg) no-repeat;">
    <div class="content">
      <span>Dress like a boss</span>
      <h3>upto 50% off</h3>
      <a href="#" class="btn">shop now</a>
    </div>
  </div>
  <div class="slide" style="background: url(static/images/home-bg-33.jpg) no-repeat;">
    <div class="content">
      <span>Dress like you're already famous</span>
      <h3>upto 50% off</h3>
      <a href="#" class="btn">shop now</a>
    </div>
  </div>
  <div id="next-slide" onclick="next()" class="fas fa-angle-right"></div>
  <div id="prev-slide" onclick="prev()" class="fas fa-angle-left"></div>
</section>
<br>
<!-- home section ends -->
<script>
window.watsonAssistantChatOptions = {
 integrationID: "28380342-a229-4bce-af34-64cc0af3fe04", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "ab2018d0-9b8d-48d4-bb0a-623e579143f4", // 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>
<!-- footer section starts -->
<section class="footer">
  <div class="box-container">
    <div class="credit">
      <h3>follow us</h3>
```

```
<a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
     <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
     <a href="#"> <i class="fab fa-instagram"></i> instagram </a>
     <a href="#"> <i class="fab fa-pinterest"></i> pinterest </a>
     <a href="#"> <i class="fab fa-linkedin"></i> linkedin </a>
     <a href="#"> <i class="fab fa-github"></i> github </a>
   </div>
 </div>
 <div class="credit"> created by <span>MR.MITH</span> | all rights reserved </div>
</section>
<!-- footer section ends -->
</body>
</html>
 Admin.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Admin Dashboard</title>
  <!-- ===== Styles ===== -->
  <link rel="stylesheet" href="static/css/style1.css">
</head>
<body>
  <!-- ========= Navigation ========= -->
  <div class="container">
    <div class="navigation">
       <a href="#">
              <span class="icon">
                <ion-icon name="logo-cart"></ion-icon>
              <span class="title">MITH</span>
           </a>
         <a href="/dashboard">
              <span class="icon">
                <ion-icon name="home-outline"></ion-icon>
```

```
</span>
    <span class="title">Dashboard</span>
 </a>
<a href="/customerlist">
    <span class="icon">
      <ion-icon name="people-outline"></ion-icon>
    <span class="title">Customers</span>
 </a>
<a href="/add-products">
    <span class="icon">
      <ion-icon name="chatbubble-outline"></ion-icon>
    </span>
    <span class="title">Add Product</span>
 </a>
>
  <a href="#">
    <span class="icon">
      <ion-icon name="help-outline"></ion-icon>
    </span>
    <span class="title">Help</span>
 </a>
<a href="#">
    <span class="icon">
      <ion-icon name="settings-outline"></ion-icon>
    </span>
    <span class="title">Settings</span>
  </a>
<a href="/adminlogin">
    <span class="icon">
      <ion-icon name="log-out-outline"></ion-icon>
    </span>
    <span class="title">Sign Out</span>
  </a>
```

```
</div>
<div class="main">
 <div class="topbar">
   <div class="toggle">
     <ion-icon name="menu-outline"></ion-icon>
   </div>
   <div class="search">
     <label>
       <input type="text" placeholder="Search here">
       <ion-icon name="search-outline"></ion-icon>
     </label>
   </div>
   <div class="user">
     <img src="static/images/customer01.jpg" alt="">
   </div>
 </div>
 <div class="cardBox">
   <div class="card">
     <div>
       <div class="numbers">1,504</div>
       <div class="cardName">Daily Views</div>
     </div>
     <div class="iconBx">
       <ion-icon name="eye-outline"></ion-icon>
     </div>
   </div>
   <div class="card">
     <div>
       <div class="numbers">80</div>
       <div class="cardName">Sales</div>
     </div>
     <div class="iconBx">
       <ion-icon name="cart-outline"></ion-icon>
     </div>
   </div>
```

```
<div class="card">
   <div>
     <div class="numbers">284</div>
     <div class="cardName">Comments</div>
   </div>
   <div class="iconBx">
     <ion-icon name="chatbubbles-outline"></ion-icon>
   </div>
 </div>
 <div class="card">
   <div>
     <div class="numbers">$7,842</div>
     <div class="cardName">Earning</div>
   </div>
   <div class="iconBx">
     <ion-icon name="cash-outline"></ion-icon>
   </div>
 </div>
</div>
<!-- ========= Order Details List ========== -->
<div class="details">
 <div class="recentOrders">
   <div class="cardHeader">
     <h2>Recent Orders</h2>
     <a href="#" class="btn">View All</a>
   </div>
   <thead>
       Name
        Price
        Payment
        Status
       </thead>
     T-Shirt
        $250
        Paid
        <span class="status delivered">Delivered</span>
```

```
Casual shirt
 $1100
 Due
 <span class="status pending">Pending</span>
Watch
 $1200
 Paid
 <span class="status return">Return</span>
Addidas Shoes
 $620
 Due
 <span class="status inProgress">In Progress</span>
kids dress
 $1200
 Paid
 <span class="status delivered">Delivered</span>
shoe
 $110
 Due
 <span class="status pending">Pending</span>
Saree
 $1200
 Paid
 <span class="status return">Return</span>
kurties
 $620
```

```
Due
      <span class="status inProgress">In Progress</span>
    </div>
<!-- ========= New Customers ========= -->
<div class="recentCustomers">
 <div class="cardHeader">
   <h2>Recent Customers</h2>
 </div>
 <div class="imgBx"><img src="static/images/customer02.jpg" alt=""></div>
    <h4>David <br> <span>Italy</span></h4>
    <div class="imgBx"><img src="static/images/customer01.jpg" alt=""></div>
    <h4>Amit <br> <span>India</span></h4>
    <div class="imgBx"><img src="static/images/customer02.jpg" alt=""></div>
    <h4>David <br> <span>Italy</span></h4>
    <div class="imgBx"><img src="static/images/customer01.jpg" alt=""></div>
    <h4>Amit <br> <span>India</span></h4>
```

```
<div class="imgBx"><img src="static/images/customer02.jpg" alt=""></div>
         <h4>David <br> <span>Italy</span></h4>
       <div class="imgBx"><img src="static/images/customer01.jpg" alt=""></div>
         <h4>Amit <br> <span>India</span></h4>
         <div class="imgBx"><img src="static/images/customer01.jpg" alt=""></div>
         <h4>David <br> <span>Italy</span></h4>
         <div class="imgBx"><img src="static/images/customer02.jpg" alt=""></div>
         <h4>Amit <br> <span>India</span></h4>
         </div>
   </div>
 </div>
</div>
<!-- ======= Scripts ====== -->
<script src="static/js/main.js"></script>
```

```
<!-- ===== ionicons ====== -->
 <script type="module" src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>
 <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>
</body>
</html>
cart.html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>cart</title>
 <!-- font awesome cdn link -->
 </l></l></l></
 <!-- custom css file link -->
 <link rel="stylesheet" href="static/css/style.css">
 <!-- custom js file link -->
 <script src="static/js/script.js" defer></script>
</head>
<body>
<!-- header section starts -->
<header class="header">
 <a href="#" class="logo"> MITH </a>
 <nav class="navbar">
   <a href="/index">home</a>
     <a href="/products">products</a>
       <a href="/kids">Kids</a>
         <a href="/women">Women</a>
         <a href="/men">Men</a>
       <a href="/contact">contact</a>
     <a href="/login">login</a>
```

```
<a href="/adminlogin">Admin</a>
          <a href="/login">User</a>
        <a href="/register">register</a>
      </nav>
  <div class="icons">
    <div id="menu-btn" class="fas fa-bars"></div>
    <div id="search-btn" class="fas fa-search"></div>
    <a href="/cart" class="fas fa-shopping-cart"></a>
  </div>
  <form action="" class="search-form">
    <input type="search" name="" placeholder="search here..." id="search-box">
    <label for="search-box" class="fas fa-search"></label>
  </form>
</header>
<!-- header section ends -->
<!-- header section -->
<section class="heading">
  <h1>cart</h1>
   <a href="#">home</a> >> cart 
</section>
<!-- header section -->
<!-- cart section starts -->
<section class="shopping-cart">
  <h1 class="title"> Your cart</h1>
  <div class="box-container">
    <div class="box">
      <i class="fas fa-times"></i>
      <img src="static/images/formal6a.jpg" alt="">
      <div class="content">
        <h3></h3>
        <form action="">
          <span>quantity :</span>
```

```
<input type="number" name="" value="1" id="">
    </form>
    <div class="price"> $20.00 <span>$25.00</span> </div>
</div>
<div class="box">
  <i class="fas fa-times"></i>
  <img src="static/images/sar8a.jpeg" alt="">
  <div class="content">
    <h3></h3>
    <form action="">
      <span>quantity :</span>
      <input type="number" name="" value="1" id="">
    <div class="price"> $20.00 <span>$25.00</span> </div>
  </div>
</div>
<div class="box">
  <i class="fas fa-times"></i>
  <img src="static/images/Men-casual3.jpg" alt="">
  <div class="content">
    <h3></h3>
    <form action="">
      <span>quantity :</span>
      <input type="number" name="" value="1" id="">
    </form>
    <div class="price"> $20.00 <span>$25.00</span> </div>
  </div>
</div>
<div class="box">
  <i class="fas fa-times"></i>
  <img src="static/images/foot10a.jpg" alt="">
  <div class="content">
    <h3></h3>
    <form action="">
      <span>quantity :</span>
      <input type="number" name="" value="1" id="">
    </form>
    <div class="price"> $20.00 <span>$25.00</span> </div>
  </div>
</div>
<div class="box">
  <i class="fas fa-times"></i>
```

```
<img src="static/images/sun7a.jpg" alt="">
      <div class="content">
       <h3></h3>
       <form action="">
          <span>quantity :</span>
          <input type="number" name="" value="1" id="">
       </form>
       <div class="price"> $20.00 <span>$25.00</span> </div>
      </div>
    </div>
 </div>
  <h1 class="title">PayOut</h1>
 <div class="cart-total">
    <h3>subtotal: <span>$100.00</span></h3>
   <h3>total: <span>$100.00</span></h3>
    <a href="/payments" class="btn">proceed to checkout</a>
  </div>
  </div>
</section>
<!-- cart section end -->
<script>
  window.watsonAssistantChatOptions = {
   integrationID: "28380342-a229-4bce-af34-64cc0af3fe04", // The ID of this integration.
   region: "au-syd", // The region your integration is hosted in.
   serviceInstanceID: "ab2018d0-9b8d-48d4-bb0a-623e579143f4", // 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/" +
document.head.appendChild(t);
 });
 </script>
<!-- footer section starts -->
<section class="footer">
 <div class="box-container">
```

```
<div class="credit">
      <h3>follow us</h3>
      <a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
      <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
      <a href="#"> <i class="fab fa-instagram"></i> instagram </a>
      <a href="#"> <i class="fab fa-pinterest"></i> pinterest </a>
      <a href="#"> <i class="fab fa-linkedin"></i> linkedin </a>
      <a href="#"> <i class="fab fa-github"></i> github </a>
    </div>
  </div>
  <div class="credit"> created by <span>mr .mith</span> | all rights reserved </div>
</section>
<!-- footer section ends -->
</body>
</html>
Login.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>login</title>
  <!-- font awesome cdn link -->
  </l></l></l></
  <!-- custom css file link -->
  <link rel="stylesheet" href="static/css/style.css">
  <!-- custom js file link -->
  <script src="static/js/script.js" defer></script>
</head>
<body>
<!-- header section starts -->
<header class="header">
```

```
<a href="#" class="logo"> MITH </a>
 <nav class="navbar">
   <a href="/index">home</a>
     <a href="/products">products</a>
       <a href="/kids">Kids</a>
         <a href="/women">Women</a>
         <a href="/men">Men</a>
       <a href="/contact">contact</a>
     <a href="/login">login</a>
       <a href="/adminlogin">Admin</a>
         <a href="/login">User</a>
       <a href="/register">register</a>
     </nav>
 <div class="icons">
   <div id="menu-btn" class="fas fa-bars"></div>
   <div id="search-btn" class="fas fa-search"></div>
 </div>
 <form action="" class="search-form">
   <input type="search" name="" placeholder="search here..." id="search-box">
   <label for="search-box" class="fas fa-search"></label>
 </form>
</header>
<!-- header section ends -->
<!-- header section -->
<section class="heading">
 <h1>account</h1>
</section>
<!-- header section -->
```

```
<!-- login form section starts -->
<section class="login-form">
  <form action="">
    <h3>user login</h3>
    <div class="inputBox">
      <span class="fas fa-user"></span>
      <input type="email" name="" placeholder="enter your email" id="">
    </div>
    <div class="inputBox">
      <span class="fas fa-lock"></span>
      <input type="password" name="" placeholder="enter your password" id="">
    </div>
    <input type="submit" value="sign in" class="btn">
    <div class="flex">
      <input type="checkbox" name="" id="remember-me">
      <label for="remember-me">remember me</label>
      <a href="#">forgot password?</a>
    </div>
    <a href="/register" class="btn">create an account</a>
  </form>
</section>
<!-- login form section ends -->
<!-- footer section starts -->
<section class="footer">
  <div class="box-container">
    <div class="credit">
      <h3>follow us</h3>
      <a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
      <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
```

```
<a href="#"> <i class="fab fa-instagram"></i> instagram </a>
      <a href="#"> <i class="fab fa-pinterest"></i> pinterest </a>
      <a href="#"> <i class="fab fa-linkedin"></i> linkedin </a>
      <a href="#"> <i class="fab fa-github"></i> github </a>
    </div>
  </div>
  <div class="credit"> created by <span>mr .mith</span> | all rights reserved </div>
</section>
<!-- footer section ends -->
</body>
</html>
 register.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>register</title>
  <!-- font awesome cdn link -->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">
  <!-- custom css file link -->
  <link rel="stylesheet" href="static/css/style.css">
  <!-- custom js file link -->
  <script src="static/js/script.js" defer></script>
</head>
<body>
<!-- header section starts -->
<header class="header">
  <a href="#" class="logo"> MITH </a>
  <nav class="navbar">
    <a href="/index">home</a>
```

```
<a href="/products">products</a>
       ul>
         <a href="/kids">Kids</a>
         <a href="/women">Women</a>
         <a href="/men">Men</a>
       <a href="/contact">contact</a>
     <a href="/login">login</a>
       <a href="/adminlogin">Admin</a>
         <a href="/login">User</a>
       <a href="/register">register</a>
     </nav>
 <div class="icons">
   <div id="menu-btn" class="fas fa-bars"></div>
   <div id="search-btn" class="fas fa-search"></div>
   <a href="#" class="fas fa-shopping-cart"></a>
  </div>
 <form action="" class="search-form">
   <input type="search" name="" placeholder="search here..." id="search-box">
   <label for="search-box" class="fas fa-search"></label>
  </form>
</header>
<!-- header section ends -->
<!-- header section -->
<section class="heading">
  <h1>account</h1>
</section>
<!-- header section -->
<!-- header section -->
<!-- register form section starts -->
<section class="register-form">
 <form action="">
   <h3>register now</h3>
```

```
<div class="inputBox">
      <span class="fas fa-user"></span>
      <input type="text" name="" placeholder="enter your name" id="">
    </div>
    <div class="inputBox">
      <span class="fas fa-envelope"></span>
      <input type="email" name="" placeholder="enter your email" id="">
    </div>
    <div class="inputBox">
      <span class="fas fa-lock"></span>
      <input type="password" name="" placeholder="enter your password" id="">
    </div>
    <div class="inputBox">
      <span class="fas fa-lock"></span>
      <input type="password" name="" placeholder="confirm your password" id="">
    </div>
    <div class="inputBox">
      <span class="fas fa-address-card"></span>
      <input type="text" name="" placeholder="enter your address" id="">
    </div>
    <input type="submit" value="sign up" class="btn">
    <a href="/login" class="btn">already have an account</a>
  </form>
</section>
<!-- register form section ends -->
<!-- footer section starts -->
<section class="footer">
  <div class="box-container">
    <div class="credit">
      <h3>follow us</h3>
      <a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
      <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
```

```
<a href="#"> <i class="fab fa-instagram"></i> instagram </a>
<a href="#"> <i class="fab fa-pinterest"></i> pinterest </a>
<a href="#"> <i class="fab fa-linkedin"></i> linkedin </a>
<a href="#"> <i class="fab fa-github"></i> github </a>
</div>
</div>
</div>
<div class="credit"> created by <span>mr.mith</span> | all rights reserved </div>
</section>
<!-- footer section ends -->
</body>
</html>
```

```
{% 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">
 <thead>
   Order No
    Product ID
    Quantity
    Order Place
    Mobile
    Order Date
    Delivery Date
   </thead>
  {% for order in result %}
   {{order.id}}
    {{order.pid}}
    {{order.quantity}}
    {{order.oplace}}
    {{order.mobile}}
    {{order.odate}}
    {{order.ddate}}
   {% endfor%}
```

```
</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>
    >
      <input type="submit" class="btn btn-primary" value="Sign Up">
    </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">
                \label{lem:ch3} $$ \access="card-title" id="" href="/{\{product.category\}\}?view={\{product.id\}}">{\{product.id}} $$
                    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">
       data-target="#carouselExampleIndicators" data-slide-to="0" class="active">
         data-target="#carouselExampleIndicators" data-slide-to="2">
       <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>
              We had such a great time in LA!
            </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>
              We had such a great time in LA!
            </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>
              We had such a great time in LA!
            </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">
       data-target="#carouselExampleIndicators" data-slide-to="0" class="active">
         data-target="#carouselExampleIndicators" data-slide-to="2">
       <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</pre>
York"
             width="1100" height="300">
           <div class="carousel-caption">
             <h3>Los Angeles</h3>
             We had such a great time in LA!
           </div>
         </div>
         <div class="carousel-item">
           <img class="d-block img-fluid" src="/static/image/other/bodyspray.jpg" alt="New York"</pre>
             width="1100" height="300">
           <div class="carousel-caption">
             <h3>Los Angeles</h3>
             We had such a great time in LA!
           </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>
               We had such a great time in LA!
            </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>
            >
              <input type="submit" class="btn btn-primary" value="Update Settings">
            </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="/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>
              {{ product.description}}
              <a href="/{{product.category}}?order={{product.id}}" class="btn btn-success">Order
Now</a>
            </div>
```

Wallet

```
</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}}"</pre>
                 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">
```

```
data-target="#carouselExampleIndicators" data-slide-to="0" class="active">
         data-target="#carouselExampleIndicators" data-slide-to="1">
         <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>
             We had such a great time in LA!
           </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>
             We had such a great time in LA!
           </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>
              We had such a great time in LA!
             </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>
       <a href="/"><i class="fa fa-angle-double-right"></i>Home</a>
         <a href="/tshirt"><i class="fa fa-angle-double-right"></i>T-Shirt</a>
         <a href="/belt"><i class="fa fa-angle-double-right"></i>Belt</a>
         <a href="/shoes"><i class="fa fa-angle-double-right"></i>Shoes</a>
         <a href="/wallet"><i class="fa fa-angle-double-right"></i>Wallet</a>
       </div>
     <div class="col-xs-12 col-sm-4 col-md-4">
       <h5>Social</h5>
       <a href="https://www.linkedin.com/in/vkparamesh3232">Linked In</a>
         <a href="https://github.com/Vkparamesh">Git Hub</a>
```

```
</div>
     <div class="col-xs-12 col-sm-4 col-md-4">
       <h5>About Team</h5>
       ul class="list-unstyled quick-links">
         Team ID : PNT2022TMID38912
         Team Leader: PARAMESHWARAN V K
         Team member : MANOJ ADHITHYAN A
         Team member : MOHANRAJ M
         Team member : DAYANITHI S
       </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">
        krishnasamy college of engineering and technology &copy All
         right Reversed.
     </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"</pre>
            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 %}
      class="nav-item"><a href="/" class="nav-link"><span class=""></span> Home</a>
      <a href="/profile?user={{session.uid}}" class="nav-</pre>
link">{{session.s_name}}</a>
      <|i class="nav-item"><a href="/out" class="nav-link"><span class=""></span> Logout</a>
      {% else %}
      class="nav-item"><a href="/" class="nav-link"><span class=""></span> Home</a>
      class="nav-item"><a href="/register" class="nav-link"><span class=""></span> Signup</a>
      cli class="nav-item"><a href="/login" class="nav-link"><span class=""></span> Login</a>
      {% endif %}
```

```
</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"</pre>
                  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">
         <thead>
            Id
             User Id
             Name
             Product Id
             Quantity
             Order Place
             Mobile
             Order Date
             Delivery Date
            </thead>
```

```
{% for product in result %}
            {{product.id}}
             {{product.uid}}
             {{product.ofname}}
             {{product.pname}}
             {{product.quantity}}
             {{product.oplace}}
             {{product.mobile}}
             {{product.odate}}
             {{product.ddate}}
            {% endfor%}
          </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">
            <thead>
              Id
                Name
                Email
                Username
```

```
Mobile
       Registration Time
       Online
     </thead>
     {% for product in result %}
     {{product.id}}
       {{product.name}}
       {{product.email}}
       {{product.username}}
       {{product.mobile}}
       {{product.reg_time}}
       {{product.online}}
     {% endfor%}
     </div>
  {% else %}
  <h3>No user found</h3>
  {% endif %}
 </div>
</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=""</pre>
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
                     {% else %}
```

```
<option value="tshirt">T-Shirt</option>
    {% endif %}
    {% if product.category == 'wallet' %}
    <option value="wallet" selected>Wallet
    {% else %}
    <option value="wallet">Wallet</option>
    {% endif %}
    {% if product.category == 'belt' %}
    <option value="belt" selected>Belt
    {% else %}
    <option value="belt">Belt</option>
    {% endif %}
    {% if product.category == 'shoes' %}
    <option value="shoes" selected>Shoes
    {% 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
```

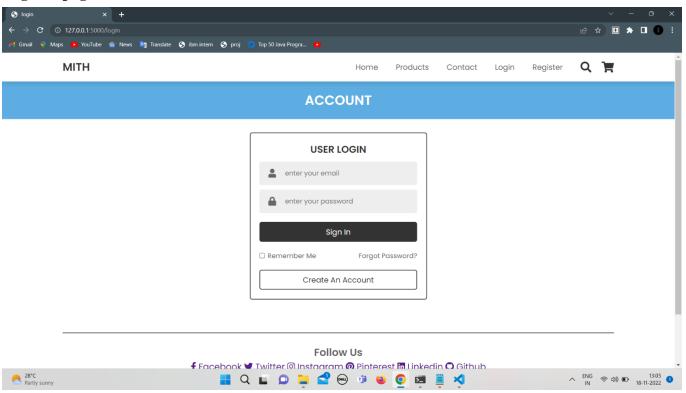
```
{% else%}
    <input type="checkbox" name="belt" value="color">Color
    {% endif %}
  </label>
  <label class="checkbox-inline">
    {% if product_level.design == 'yes' %}
    <input type="checkbox" checked name="belt" value="design">Design
    {% else%}
    <input type="checkbox" name="belt" value="design">Design
    {% 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>
```

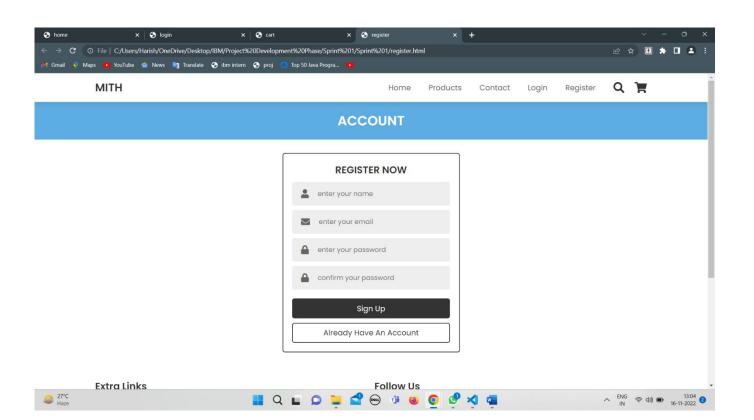
```
<input class="form-control" required="required" name="item"
value="{{product.item}}" placeholder="Ex: watch/shoes">
                </div>
                <div class="form-group">
                   <label>Product Code</label>
                   <input class="form-control" required="required" value="{{product.pCode}}"
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

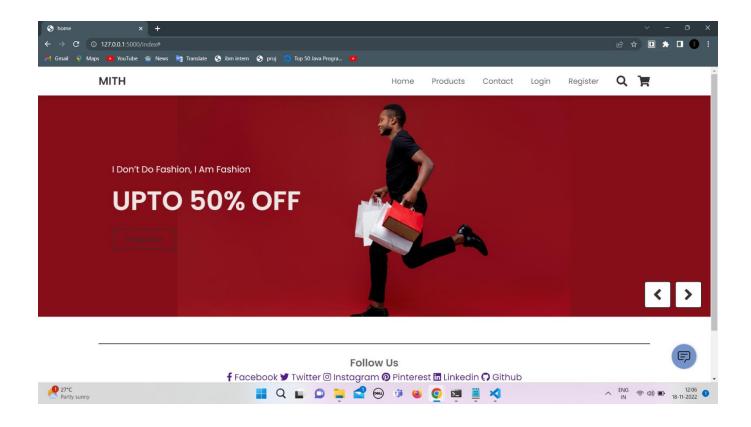
Register page



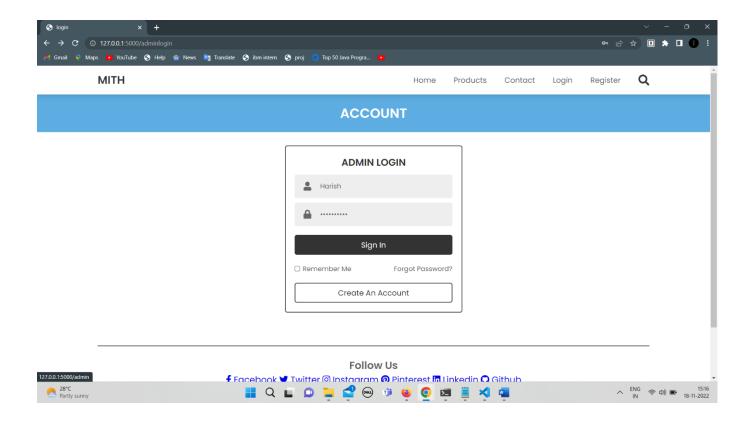
Login Page



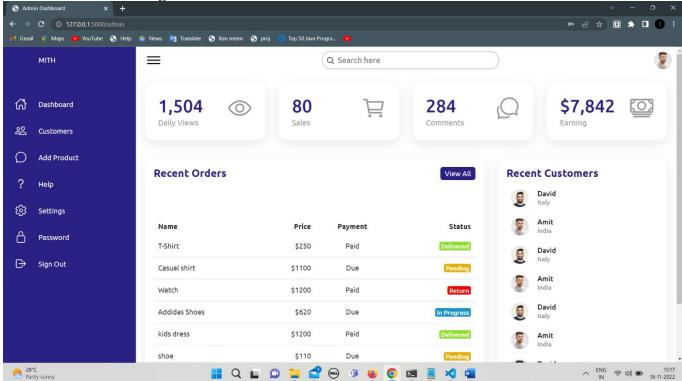
Home page



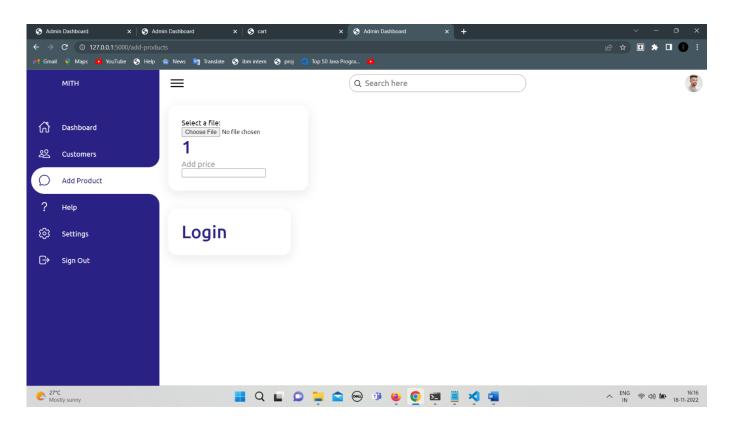
Admin Login Page



Admin Dashboard Page



Add Product Page



Integrate Chat Bot

13.2 GITHUB & PROJECT DEMO LINK

Our GitHub Repository Direct Link
https://github.com/IBM-EPBL/IBM-Project-47578-1660800258

➤ Project Demonstration Video Direct Link

https://youtu.be/C54YTWgRjOI