

SMART FASHION RECOMMENDER APPLICATION

**A PROJECT REPORT
*SUBMITTED BY***

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IN

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JEPPIAAR SRR ENGINEERING COLLEGE

CHENNAI



1. INTRODUCTION

1.1 PROJECT OVERVIEW

The system of online shopping has increased so vastly. By sitting at any corner of the world you can avail the services. Due to the online shopping system, you can shop for any product from any place and get the delivery at your home. This online system has made it possible to approach any world's market easily. During holiday seasons, there is no compelling need to visit the crowded stores or shopping malls. Navigating between various screens to make an online purchase. This one is the grumpy one. Customers anticipate finding what they're seeking for quickly and simply when they visit an e-commerce website. The brands and actual things that people desire to buy are also unknown to them. Typically, e-commerce features including searching for a user's product may take more time. You can directly do your online shopping based on your choice without any search. It can be done by using a chatbot. User recommendations can be made by the chatbot depending on their interests. It may advertise the day's top specials and promotions. It will keep a database IBM DB2 of the customer's information and orders. If the order is confirmed, the chatbot will notify the customers using PYTHON-FLASK. Chatbots can be useful for gathering consumer reviews. Chatbot provides 24x7 services and deals with customer queries any time. The chatbot gives accurate recommendations based on user preferences and provides quick responses. It enhances the customer satisfaction and reduces the customer searching time. Customers can track the order and collect information about shipping. If a customer is not satisfied with the product, can return in 7 days from the date of delivery.

1.2 PURPOSE

In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On online shopping platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. Smart Fashion Recommender Application is a web-based concept that provides convenient and efficient services that will create the opportunity for the company to advertise their products. The problem faced by customers is navigating through multiple screens for ordering the product. So, In this proposed project, we are implementing a Chat Bot. Users can directly talk to chatbot and get recommendations. User can get best deals and offers. It makes online shopping easier with chatbots to users.

2. LITERATURE SURVEY

2.1 EXISTING PROBLEMS

Navigating between various screens to make an online purchase. This one is the grumpy one. Customers anticipate finding what they're seeking for quickly and simply when they visit an e-commerce website. The brands and actual things that people desire to buy are also unknown to them. Typically, e-commerce features include searching for a user's product may take more time. Problems faced by customers returning items and customer experience. Customers widely faced Delay shipments.

2.2 REFERENCES

TITLE: A REVIEW ON OUTFIT FASHION RECOMMENDATION SYSTEM

AUTHOR: Bhagyshree Pravin Bhure¹, Pratiksha Tulshiram Bansod¹, Monali Shivram Amgaokar¹, Savita Pralhad Lodiwale¹, Anjali Pravin Orkey¹, Ashish Mohod²

ABSTRACT:

With the quick rise in living standards, people's shopping passion grew, and their desire for clothing grew as well. A growing number of people are interested in fashion these days. However, when confronted with a large number of garments, consumers are forced to try them on multiple times, which takes time and energy. As a result of the suggested Fashion Recommendation System, a variety of online fashion businesses and web applications allow buyers to view collages of stylish items that look nice together. Clients and sellers benefit from such recommendations. On the one hand, customers can make smarter shopping decisions and discover new articles of clothes that complement one another. Complex outfit recommendations, on the other hand, assist vendors in selling more products, which has an impact on their business. Fashion Net is made up of two parts: a feature network for extracting features and a matching network for calculating compatibility. A deep convolutional network is used to achieve the former. For the latter, a multi-layer completely connected network topology is used. For Fashion Net, you must create and compare three different architectures. To achieve individualized recommendations, a two-stage training technique was created.

TITLE: FASHION RECOMMENDATION SYSTEMS, MODELS AND METHODS: A REVIEW

AUTHOR: Samit Chakraborty 1,2, Md. Saiful Hoque 2,3, Naimur Rahman Jeem 4, Manik Chandra Biswas¹, Deepayan Bardhan 5 and Edgar Lobaton 5

ABSTRACT:

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

TITLE: FASHION OUTFIT GENERATION FOR E-COMMERCE

AUTHOR: Elaine M. Bettaney, Stephen R. Hardwick, Odysseas Zisimopoulos, Benjamin Paul Chamberlain

ABSTRACT:

Combining items of clothing into an outfit is a major task in fashion retail. Recommending sets of items that are compatible with a particular seed item is useful for providing users with guidance and inspiration, but is currently a manual process that requires expert stylists and is therefore not scalable or easy to personalize. We use a multilayer neural network fed by visual and textual features to learn embeddings of items in a latent style space such that compatible items of different types are embedded close to one another. We train our model using the ASOS outfits dataset, which consists of a large number of outfits created by professional stylists and which we release to the research community. Our model shows strong performance in an offline outfit compatibility prediction task. We use our model to generate outfits and for the first time in this field perform an AB test, comparing our generated outfits to those produced by a baseline model which matches appropriate product types but uses no information on style. Users approved of outfits generated by our model 21% and 34% more frequently than those generated by the baseline model for womenswear and menswear respectively.

TITLE: ONLINE SHOP RECOMMENDATION SYSTEM

AUTHOR: ANIS AZUMA BINTI CHE ZULKIFLI

ABSTRACT:

Online Store Recommendation System is a web-based concept that provides convenient and efficient services that will create the opportunity for the company to advertise their products. Customers can search and view the information details about their desired stores in such a simple way. The problem faced is customers have to go to multiple business sites to find out the information that they need such as the location of the branch and contact number. Instead of having to go to multiple business sites, they can just go to one location for all the information needed. They can find all the local stores and shop details under one roof. No need to browse all different sites to get their details. This is a completely unique solution, helps in reducing browsing across various sites either in browser or social media. Unfortunately, it is hard to recall all the techniques for each selected application. However, if all the techniques learnt in each course are mapped to certain possible applications, it can assist a student to select the appropriate

topic and technique. In realizing this solution, content-based filtering techniques will be used to recommend some possible algorithm from the specialized courses based on the similar application domain of the system. In a content-based recommender system, keywords are used to describe the items and a user profile is built to indicate the type of item this user likes. In other words, these algorithms try to recommend items that are similar to those that a user liked in the past. Another technique used is the decision tree method. This method uses a branching method to illustrate every possible outcome of a decision and all their possible consequences. It is on way conditional control statements.

TITLE: CLOTHING FASHION STYLE RECOMMENDATION SYSTEM

AUTHOR: Wei Dai

ABSTRACT:

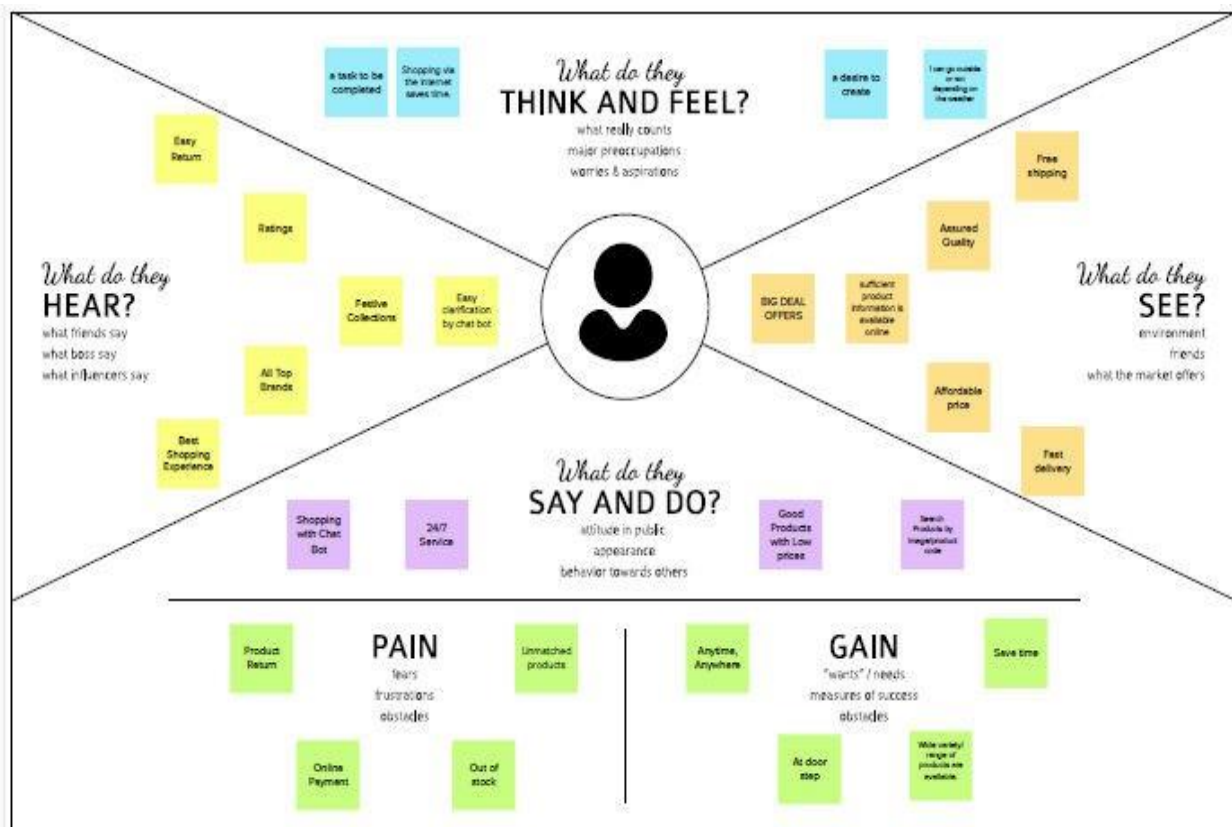
This thesis proposes a clothing recommendation system that can recommend clothing images based on the fashion style of the provided clothing images. In this work, we focus on the images of upper body clothing and with human models in the images. In the first part, we present a clothing dataset collected from the Internet containing 27,375 men's and women's clothing images of 11 clothing categories. We develop a commendation system that can differentiate fashion categories of query images. We propose a framework that divides the system into three decoupled and autonomous components in order to provide a highly flexible and an extensible system. Then we describe an implementation of this framework on a Linux server. To demonstrate this clothing recommendation system we also develop two user interfaces, including a Web Application and an iOS App. Lastly, we discuss the approaches to secure the system and user privacy. We set up a Demo of this clothing recommendation system running on iPhone, which can achieve promising results within 5 seconds.

2.3 PROBLEM STATEMENT DEFINITION

Making an online purchase while navigating between numerous screens. The grouchy one is this one. When a customer visits your e-commerce website, they expect to easily and quickly locate what they're looking for. They are also ignorant of the brands and actual goods that customers want to purchase. E-commerce features frequently involve longer searches for a user's product. Issues encountered with returns by customers and customer satisfaction. Shipments were frequently delayed for customers.

3. IDEATION AND PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS



3.2 IDEATION AND BRAINSTORMING

Brainstorm

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

 10 minutes

TIP



You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

YASVANTHINI.M

Shopping with chatbot	24/7 services	Good products with low prices
fast delivery	product return	out of stock
Affordable price	free shipping	Assured quality

DIVYA.U

Sufficient product information is available online	Big deal offers	Shopping via the Internet saves time
Easy return	festive collections	online payment
save time	Size chart	unmatched products

SINDHU.R

Anytime, Anywhere	Greater variety of choices	No crowds
Easy Price Comparisons	Online Tracking	No need to travel
Delay in Delivery	Lack of touch and feel of merchandise	Easy to send gifts

YOGALAKSHMI.M

The convenience of shopping at home	More Availability	No Sales Assistance
we can compare with various brands	Reviews of Products	No Support for Local Retailers
No pressure shopping	Fewer Traps	All Payment methods

3.3 PROPOSED SOLUTION

You may purchase online from the comfort of your home using this. During holiday seasons, there is no compelling need to visit the crowded stores or shopping malls. To shop online, all you need is a computer or laptop and one key payment method. The struggles of searching the product and results as unmatched products can be solved by the chatbot system.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">● Navigating between various screens to make an online purchase. This one is the grumpy one.● Typically, e-commerce features include searching for a user's product may take more time.● Search bar leads to the customer finding a product that is unrelated to what they were looking for.

2.	Idea/Solution description	<ul style="list-style-type: none"> ● You can directly do your online shopping based on your choice without any search. It can be done by using a chatbot. ● User recommendations can be made by the chatbot depending on their interests. ● It may advertise the day's top specials and promotions. ● It will keep a database of the customer's information and orders. ● If the order is accepted, the chatbot will notify the customers. ● Chatbots can be useful for gathering consumer reviews.
3.	Novelty/Uniqueness	<ul style="list-style-type: none"> ● Chatbot is like talking to a person ● Customized product search ● 24x7 support ● Personalization ● Reduced costs ● Prioritize responsiveness
4	Social Impact/Customer satisfaction	<ul style="list-style-type: none"> ● Increase sales and conversations ● Personalize the customer experience ● Build brand awareness ● Deal with customer queries ● Accurate and quick product search
5	Business Model (Revenue Model)	<ul style="list-style-type: none"> ● Growth opportunities ● Fits into the pocket ● Economical Development ● Uncomplicated interface
6	Scalability of the Solution	<ul style="list-style-type: none"> ● Improved customer engagement ● Drive sales ● Reduce customer acquisition cost ● Immediate response for customer queries.

3.4 PROBLEM SOLUTION FIT

Chatbot collects details including interactions, activities, sentiment, and inquiries made by customers. This gives in-depth knowledge on the values and motivations of customers. Businesses are improving their websites, user experience, and customer support.

Problem-Solution fit canvas 2.0

<p>1. CUSTOMER SEGMENT(S)</p> <p>Age, gender, location, browsing habits, interests, and even the devices we use, say a lot about our shopping habits. They influence what we buy, why we buy, and how often we spend money.</p>	<p>6. CUSTOMER CONSTRAINTS</p> <ul style="list-style-type: none"> • Quality issues • Delivery and logistics • Digital payment failures • Additional charges • Unclear return and guarantee policies • Lack of security 	<p>5. AVAILABLE SOLUTION</p> <ul style="list-style-type: none"> • Generally, the search bar option is available when a customer or user needs to find the desired product. • However, occasionally this can lead to the user or customer finding a product that is unrelated to what they were looking for.
<p>2. JOBS-TO-BE-DONE / PROBLEMS</p> <ul style="list-style-type: none"> • Navigating between various screens to make an online purchase. This one is the grumpy one. • Typically, e-commerce features include searching for a user's product may take more time. 	<p>9. PROBLEM ROOT CAUSE</p> <ul style="list-style-type: none"> • Making an online purchase while navigating between numerous screens. The grouchy one is this one. • When a customer visits your e-commerce website, they expect to easily and quickly locate what they're looking for. 	<p>7. BEHAVIOUR</p> <ul style="list-style-type: none"> • A key priority is convenience. • Simple access on all devices • Availability of omnichannel shopping • Uncomplicated payment • Quick and dependable shipping
<p>3. TRIGGERS</p> <ul style="list-style-type: none"> • Utilize the personal touch • Encourage loyalty <p>4. EMOTIONS: BEFORE / AFTER</p> <p>BEFORE</p> <p>The search bar option is available when a customer or user needs to find the desired product</p> <p>AFTER</p> <ul style="list-style-type: none"> • Chatbot is like talking to a human which may make it easier for people to find the product. 	<p>10.YOUR SOLUTION</p> <ul style="list-style-type: none"> • You can directly do your online shopping based on your choice without any search. It can be done by using a chatbot. • User recommendations can be made by the chatbot depending on their interests. • It may advertise the day's top specials and promotions. • It will keep a database of the customer's information and orders. • If the order is accepted, the chatbot will notify the customer 	<p>8.CHANNELS OF BEHAVIOR</p> <p>ONLINE</p> <ul style="list-style-type: none"> • In order to purchase a specific commodity or service, the customer must first register online at the relevant website. • A customer adds a good or service to their "shopping cart" when they like it. <p>OFFLINE</p> <p>Warehouseman collects products specified in an order.</p>

4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS

The following are the functional requirements of the proposed solution :

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none">● Registration through Form● Registration through Gmail
FR-2	User Confirmation	<ul style="list-style-type: none">● Confirmation via Email● Confirmation via OTP
FR-3	Live chat - ChatBot	<ul style="list-style-type: none">● User recommendations can be made by the chatbot depending on their interests.● It may advertise the day's top specials and promotions.● It will keep a database of the customer's information and orders.● If the order is accepted, the chatbot will notify the customers.● Additionally, chatbots can be used to gather customer feedback.
FR-4	The flow of orders and check out	Order statuses are displayed on the website: <ul style="list-style-type: none">● confirmed● processing● shipped● returned.

FR-5	Mobile friendliness	<ul style="list-style-type: none"> ● Nowadays, a much larger percentage of Internet users make online purchases on smartphones and tablets than they do on laptops and desktop computers. ● Because of this, mobile-first design, a more sophisticated adaptive design alternative, continues to grow especially popular.
FR-6	Unique, Recognizable design	<ul style="list-style-type: none"> ● The Online shopping website has a unique, authentic design.

4.2 NON-FUNCTIONAL REQUIREMENTS

The following are the non-functional requirements of the proposed solution :

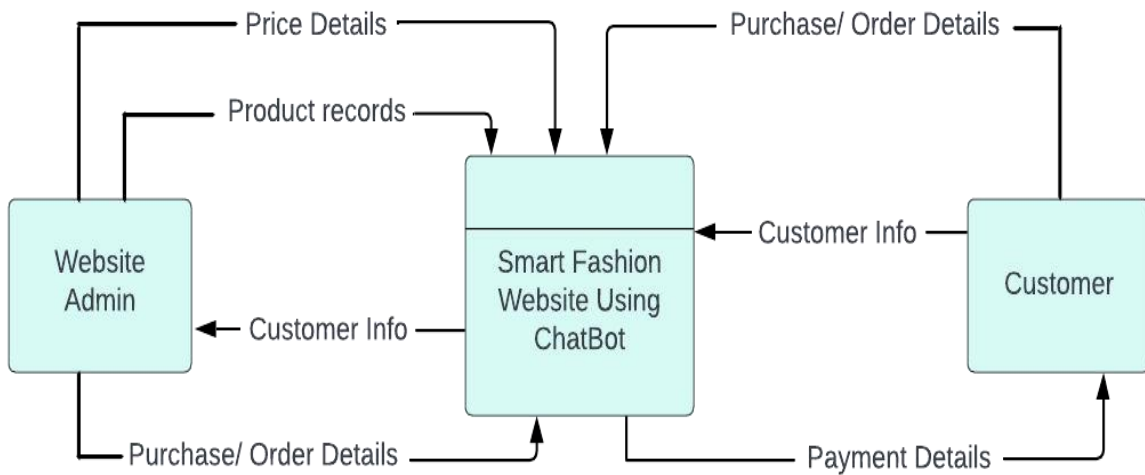
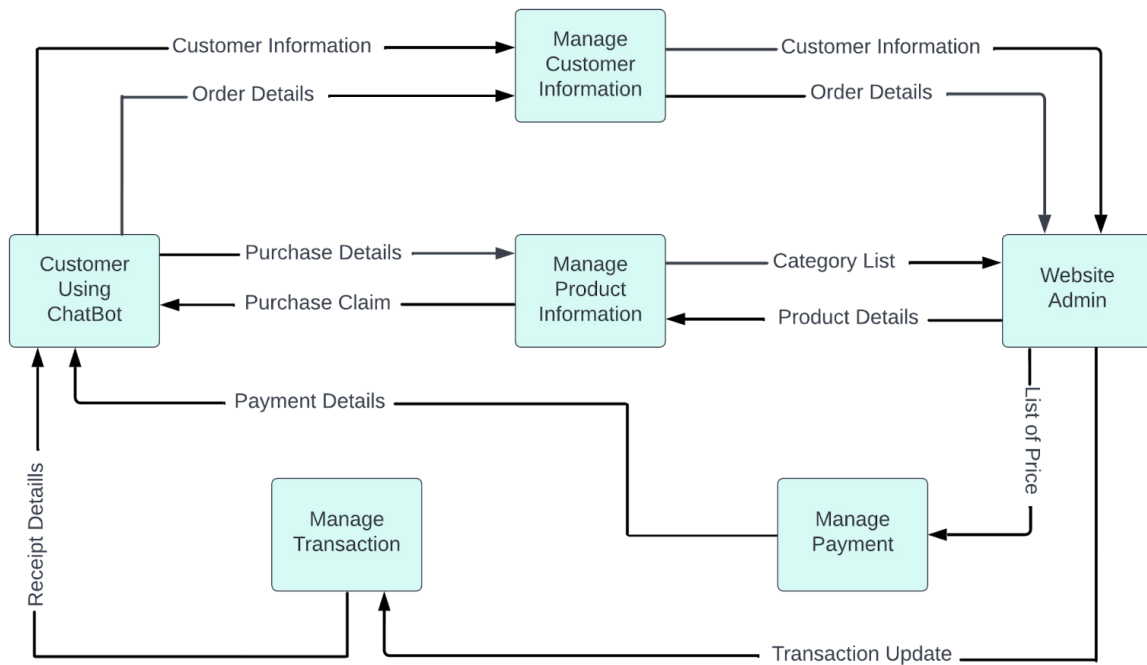
FR No.	Non-Functional	Description
NFR-1	Usability	<ul style="list-style-type: none"> ● Home page call to action- Make use of SEO, if people search on google for a product you offer it should be on the first page of result. ● Easy navigation - The user can speak with the chatbot directly about the products. ● product page optimization ● good quality images that will attract buyers ● Better Shopping cart ● Enhance Payment site speed

NFR-2	Security	<ul style="list-style-type: none"> ● Authentication and password management ● Accountability - To authorize and monitor the use anonymous accounts and to remove ● Confidentiality - Protect the user private information to prevent unauthorized access
NFR-3	Reliability	<ul style="list-style-type: none"> ● Focusing on the Mediating Effect of Perceived Intelligence and Positive Cognition
NFR-4	Performance	<ul style="list-style-type: none"> ● Speed up the webpage ● Site optimization based on data analysis. ● Strong SEO presence online. ● Good use of the product description. ● Comments and ratings
NFR-5	Availability	<ul style="list-style-type: none"> ● The administrator needs to look up the stock availability in the database.

NFR-6	Scalability	<ul style="list-style-type: none"> ● To expand your server capacity, memory, or disc space so that more people may transact on your website. ● While expanding into new markets, the server side needs to add localization. ● Chatbots to provide scalable customer support. ● Delivery and tracking, visibility of product features, payment terms or
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5. PROJECT DESIGN

5.1 DATA FLOW DIAGRAM



5.2 USER STORIES

Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
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
Login	USN-3	As a user, I can login for the application by entering email & password	I can login for the application by entering email &	High	Sprint-1
Dashboard	USN-4	Browse the products that are offered on the website. The consumer can speak with chatbot directly about the products rather of having to navigate through numerous menus to make an online	I can purchase product using chatbot instead of searching		Sprint-1
Chatbot	USN-5	Using chatbot we can manage user's choices and orders		High	Sprint-2

	USN-6	The chatbot can give recommendations to the users based on their interests.	I can view related products of my	High	Sprint-3
	USN-7	It can promote the best deals and offers on that day.	I can view offers and prizes	High	Sprint-2
	USN-8	It will store the customer's details and orders in the database.		High	Sprint-3
	USN-9	The chatbot will send a notification to customers if the order is confirmed.	I get confirmation message	High	Sprint-2
The flow of orders and checkout	USN - 10	Order statuses are displayed on the website: confirmed,processing,shipped,returned.	I can view my status in each step		
Maintaining	USN-1	They maintain a record of everything that users are purchasing.		High	Sprint-2

5.3 SOLUTION AND TECHNICAL ARCHITECTURE

Solution Architecture:

You may purchase online from the comfort of your home using this. During holiday seasons, there is no compelling need to visit the crowded stores or shopping malls. To shop online, all you need is a computer or laptop and one key payment method. The struggles of searching the product and results as unmatched products can be solved by the chatbot system. Collects details including interactions, activities, sentiment, and inquiries made by customers. This gives in-depth knowledge on the values and motivations of customers. Businesses are improving their websites, user experience, and customer support.

User :

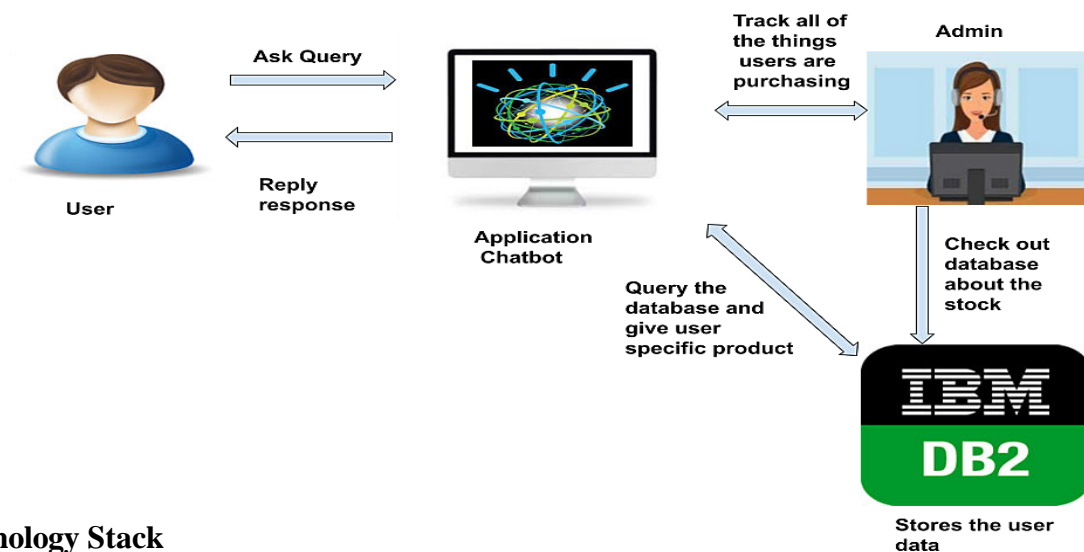
- The user will log in to the website and browse the things that are offered there. The consumer can speak directly to the **IBM Watson** about the products rather than going through multiple screens to make a purchase online. Obtain suggestions based on the data the user has provided.

Admin :

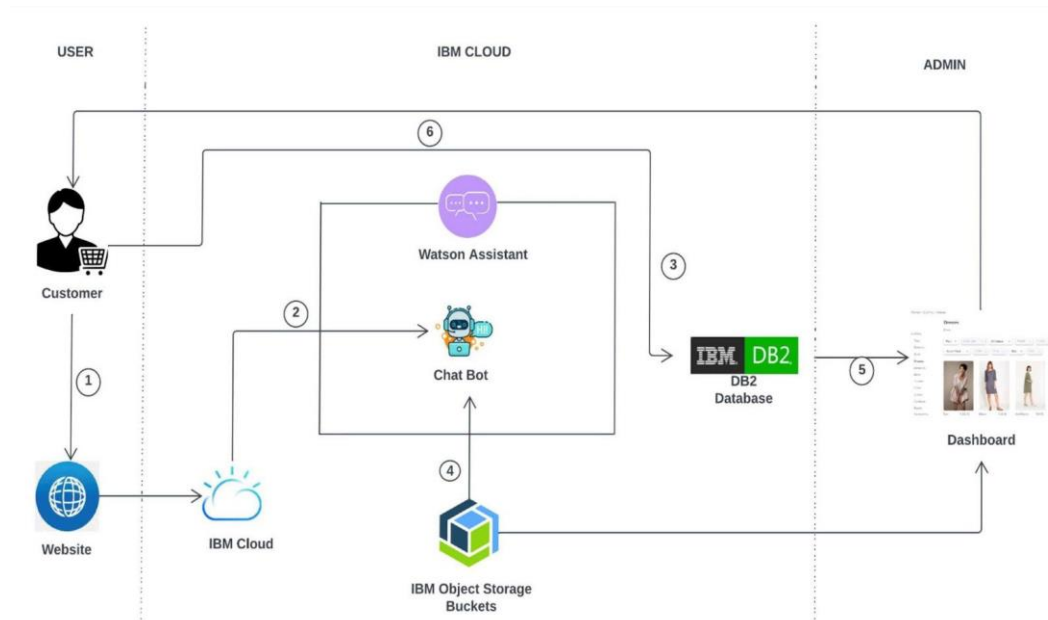
- The administrator's job is to look over the stock database and keep tabs on anything that people are buying.

Database :

- In the **IBM DB2** database, chatbot will keep track of customer information and orders.



Technology Stack



6. PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING AND ESTIMATION

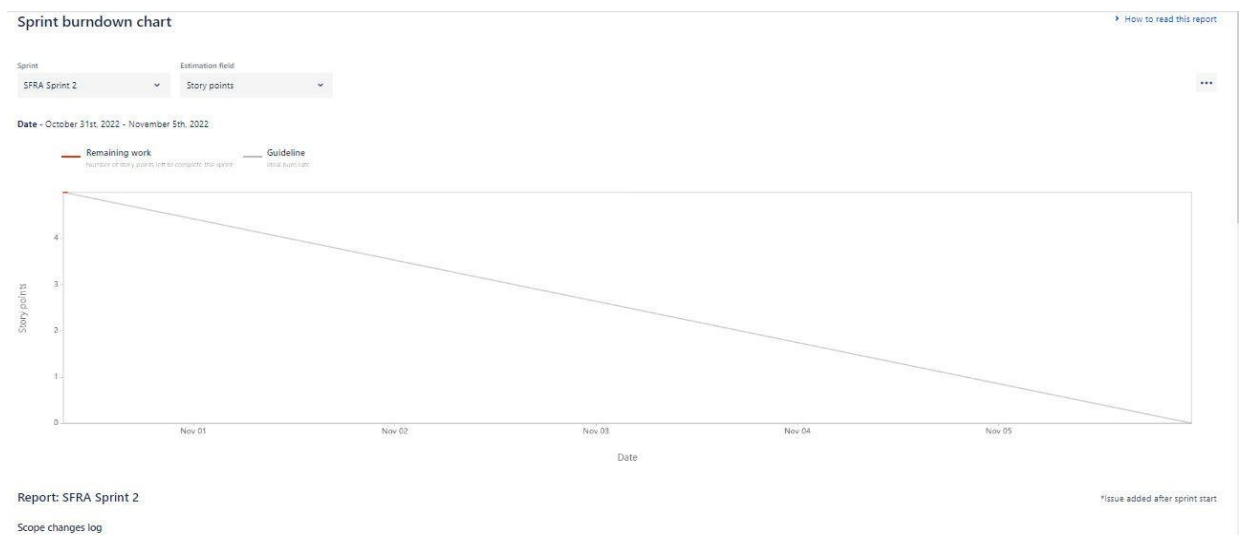
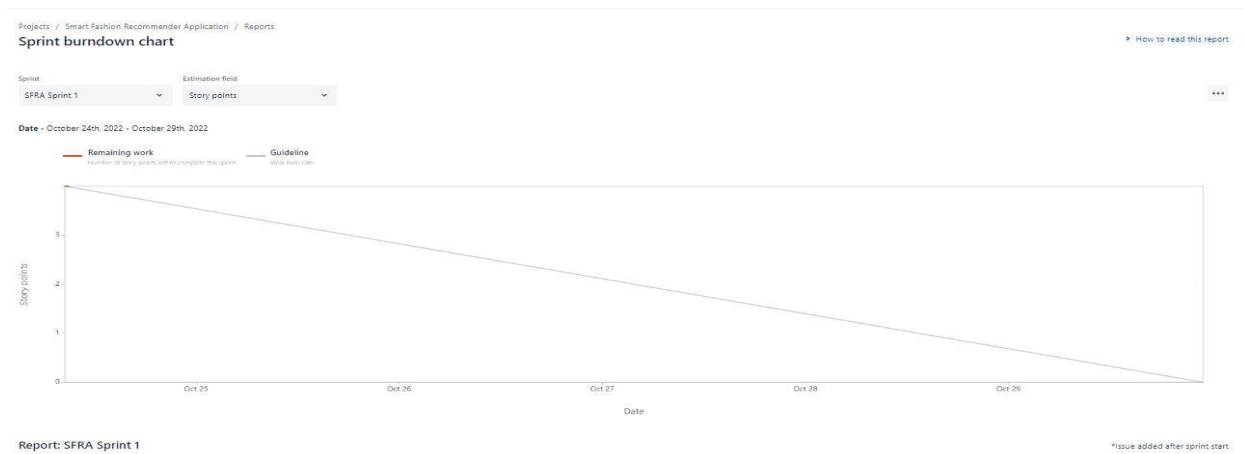
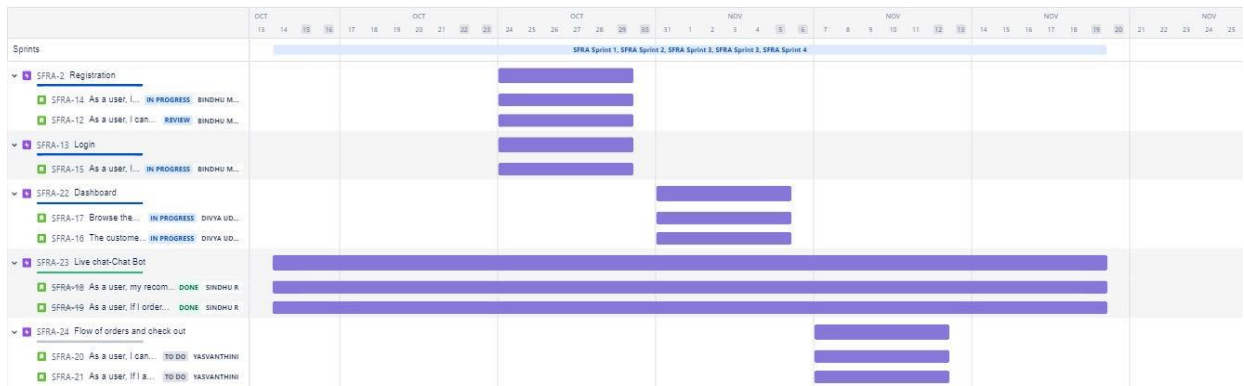
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN - 1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	M.Yogalakshumi
Sprint-1		USN - 2	As a user, I will receive confirmation email once I have registered for the application	2	High	M.Yogalakshumi
Sprint-1	Login	USN - 3	As a user, I can log into the application by entering email & password	1	High	M.Yogalakshumi
Sprint-2	Dashboard	USN - 4	Browse the products that are offered on the website. The customer can interact with chat bot directly about the products rather than navigate through various screens.	3	High	U. Divya

Sprint-3	Live chat-Chat Bot	USN - 4	As a user,my recommendations can be made by the chatbot depending on my interest	2	High	R. Sindhu
Sprint-3		USN - 5	As a user,If I order any product, the chatbot notifies it.	2	High	R. Sindhu
Sprint-4	Flow of orders and check out	USN - 6	As a user,I can track my order and collect information about shipping	2	High	M. Yasvanthini
Sprint-4		USN - 7	As a user, If I am not satisfy with the product,I can return in 7 days from the date of delivery	2	Medium	M. Yasvanthini

6.2 SPRINT DELIVERY SCHEDULE

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	15	5 Days	24 Oct 2022	29 Oct 2022	15	29 Oct 2022
Sprint-2	15	5 Days	31 Oct 2022	05 Nov 2022	15	05 Nov2022
Sprint-3	15	5 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	15	5 Days	14 Nov 2022	19 Nov 2022	15	19 Nov 2022

6.3 REPORTS FROM JIRA



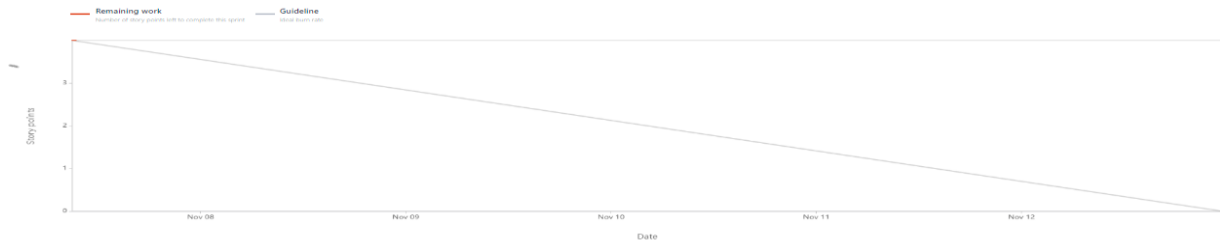
Sprint burndown chart

[How to read this report](#)

Sprint: **SFRA Sprint 3** Estimation field: **Story points**

...

Date - November 7th, 2022 - November 12th, 2022



Report: SFRA Sprint 3

*Issue added after sprint start

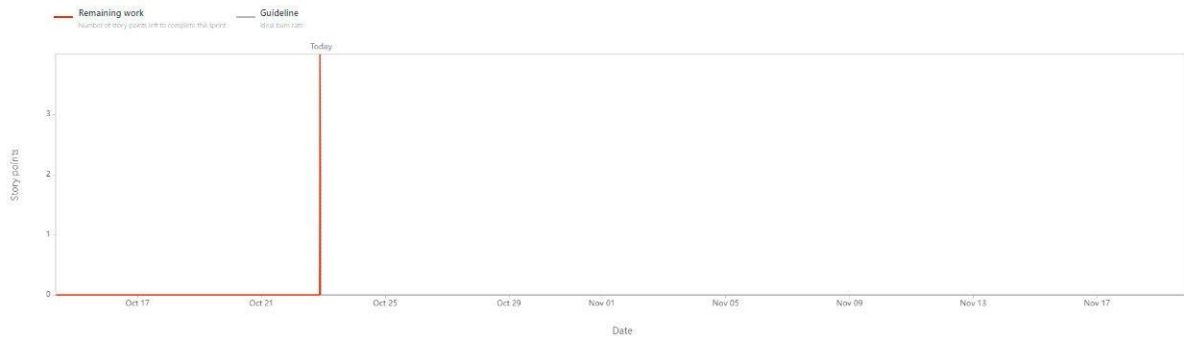
Sprint burndown chart

[How to read this report](#)

Sprint: **SFRA Sprint 4** Estimation field: **Story points**

...

Date - October 14th, 2022 - November 19th, 2022



Report: SFRA Sprint 4

*Issue added after sprint start

7. CODING AND SOLUTIONING

7.1 FEATURE 1 :

IBM DB2

connection

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

app = Flask(__name__)
app.secret_key = 'a'

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-
3fbfa46b1c66.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31505;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lxh20167;PWD=F1tQnxzcFgBj6Vo7
", "", "")

app = Flask(__name__)

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

@app.route('/signup')
def new_student():
    return render_template('signup.html')

@app.route('/addrec', methods = ['POST', 'GET'])
def addrec():
    if request.method == 'POST' :

        NAME = request.form['NAME']
        EMAIL = request.form['EMAIL']
        ROLL_NUMBER = request.form['ROLL_NUMBER']
        PASSWORD = request.form['PASSWORD']

        sql = "SELECT * FROM STUDENTS WHERE NAME =?"
        stmt = ibm_db.prepare(conn, sql)
```

```

    ibm_db.bind_param(stmt,1,NAME)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)

    if account:
        return render_template('home.html', msg="You are already have a member with same
name.")
    else:
        insert_sql = "INSERT INTO STUDENTS VALUES (?, ?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, NAME)
        ibm_db.bind_param(prepare_stmt, 2, EMAIL)
        ibm_db.bind_param(prepare_stmt, 3, ROLL_NUMBER)
        ibm_db.bind_param(prepare_stmt, 4, PASSWORD)
        ibm_db.execute(prepare_stmt)

        return render_template('home.html', "Student data saved successfully...")

@app.route('/login/')
def login():
    STUDENTS = []
    sql = "SELECT * FROM STUDENTS"
    stmt = ibm_db.exec_immediate(conn,sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:

        STUDENTS.append(dictionary)
        dictionary = ibm_db.fetch_both(stmt)

    if STUDENTS:
        return render_template("login.html", STUDENTS = STUDENTS)

@app.route('/delete/<name>')
def delete(name):
    sql = f"SELECT * FROM STUDENTS WHERE NAME='{escape(name)}'"
    print(sql)
    stmt = ibm_db.exec_immediate(conn, sql)
    student = ibm_db.fetch_row(stmt)

```



```

print("The Name is : ",student)
if STUDENTS:
    sql = f"DELETE FROM STUDENTS WHERE NAME='{escape(name)}'"
    print(sql)
    stmt = ibm_db.exec_immediate(conn,sql)

STUDENTS = []
sql = "SELECT * FROM PROFILE"
stmt = ibm_db.exec_immediate(conn,sql)
dictionary = ibm_db.fetch_both(stmt)
while dictionary != False:
    STUDENTS.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
if STUDENTS:
    return render_template("login.html", STUDENTS = STUDENTS, msg = "Delete
Successfully...")

return "Success...."

```

```

from cgi import print_form
import ibm_db

```

```

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-
3fbfa46b1c66.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31505;SECURITY=SS
L;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lxh20167;PWD=F1tQnxzcFgBj6Vo7
", "", "")

```

```

print(conn)
print("connection successful...")

```

Sending Emails Using API in Flask - Mail

```

from flask import Flask,render_template,request

app=Flask(__name__,template_folder='templates')

```

```
@app.route("/")

def index():

    return render_template("home.html")

@app.route("/login.html")

def login():

    return render_template("login.html")

@app.route("/contactus.html")

def contactus():

    return render_template("contactus.html")

def back():

    return ("index.html")


from flask_mail import Mail,Message


#app = Flask(__name__)


mail = Mail(app)


app.config['MAIL_SERVER'] = 'smtp.gmail.com'

app.config['MAIL_PORT'] = 465

app.config['MAIL_USERNAME'] = 'maayofashion@gmail.com'

app.config['MAIL_PASSWORD'] = 'znqsbckrpzsutiyf'

app.config['MAIL_USE_TLS'] = False
```

```
app.config['MAIL_USE_SSL'] = True

mail = Mail(app)

@app.route("/home",methods=['GET','POST'])

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

def home():

    if request.method == "POST":

        name = request.form['Name']

        Email = request.form['Email']

        pwd = request.form['Password']


        msg = Message("Welcome to
Maayo",sender='maayofashion@gmail.com',recipients=[Email])

        msg.body = "You have successfully login to Maayo"

        mail.send(msg)

        #return "Sent email"

    return render_template('home.html')

if __name__ == "__main__":

    app.run(debug=True)
```

7.2 FEATURE 2 (Web

page) : script.js

(Javascript)

```
"use strict";
```

```
function ownKeys(object, enumerableOnly) { var keys = Object.keys(object); if
(Object.getOwnPropertySymbols) { var symbols = Object.getOwnPropertySymbols(object); if
(enumerableOnly) symbols = symbols.filter(function (sym) { return
Object.getOwnPropertyDescriptor(object, sym).enumerable; }); keys.push.apply(keys, symbols);
} return keys; }
```

```
function _objectSpread(target) { for (var i = 1; i < arguments.length; i++) { var source =
arguments[i] != null ? arguments[i] : {}; if (i % 2) { ownKeys(Object(source),
true).forEach(function (key) { _defineProperty(target, key, source[key]); }); } else if
(Object.getOwnPropertyDescriptors) { Object.defineProperties(target,
Object.getOwnPropertyDescriptors(source)); } else {
ownKeys(Object(source)).forEach(function (key) { Object.defineProperty(target, key,
Object.getOwnPropertyDescriptor(source, key)); }); } } return target; }
```

```
function _defineProperty(obj, key, value) { if (key in obj) { Object.defineProperty(obj, key, {
value: value, enumerable: true, configurable: true, writable: true }); } else { obj[key] = value; }
return obj; }
```

```
/* ----- */
```

```
/* Uutils */
```

```
/* ----- */
```

```
var docReady = function docReady(fn) {
// see if DOM is already available
if (document.readyState === 'loading') {
document.addEventListener('DOMContentLoaded', fn);
} else {
setTimeout(fn, 1);
}
```

```

    }
};

var resize = function resize(fn) {
    return window.addEventListener('resize', fn);
};

var isArray = function isArray(array) {
    return Array.isArray(array) && !!array.length;
};

var camelize = function camelize(str) {
    var text = str.replace(/[-\s.]+(.)?/g, function (, c) {
        return c ? c.toUpperCase() : "";
    });
    return "".concat(text.substr(0, 1).toLowerCase()).concat(text.substr(1));
};

var getData = function getData(el, data) {
    try {
        return JSON.parse(el.dataset[camelize(data)]);
    } catch (e) {
        return el.dataset[camelize(data)];
    }
};

/* ----- Colors function ----- */

var hexToRgb = function hexToRgb(hexValue) {
    var hex;
    hexValue.indexOf('#') === 0 ? hex = hexValue.substring(1) : hex = hexValue; // Expand
    shorthand form (e.g. "03F") to full form (e.g. "0033FF")

```

```

var shorthandRegex = /^#?([a-f\d])([a-f\d])([a-f\d])$/i;
var result = /^#?([a-f\d]{2})([a-f\d]{2})([a-f\d]{2})$/i.exec(hex.replace(shorthandRegex,
function (m, r, g, b) {
    return r + r + g + g + b + b;
}));
return result ? [parseInt(result[1], 16), parseInt(result[2], 16), parseInt(result[3], 16)] : null;
};

```

```

var rgbaColor = function rgbaColor() {
    var color = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : '#fff';
    var alpha = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : 0.5;
    return "rgba(" + color.concat(hexToRgb(color), ", ").concat(alpha, ")");
};
/* ----- Colors ----- */

```

```

var colors = {
    primary: '#0057FF',
    secondary: '#748194',
    success: '#00d27a',
    info: '#27bdfd',
    warning: '#f5803e',
    danger: '#e63757',
    light: '#F9FAFD',
    dark: '#000'
};

```

```

var grays = {
    white: '#fff',
    100: '#f9fafd',
    200: '#edf2f9',
    300: '#d8e2ef',
    400: '#b6c1d2',
    500: '#9da9bb',

```

```
600: '#748194',  
700: '#5e6e82',  
800: '#4d5969',  
900: '#344050',  
1000: '#232e3c',  
1100: '#0b1727',  
black: '#000'  
};
```

```
var hasClass = function hasClass(el, className) {  
  !el && false;  
  return el.classList.value.includes(className);  
};
```

```
var addClass = function addClass(el, className) {  
  el.classList.add(className);  
};
```

```
var getOffset = function getOffset(el) {  
  var rect = el.getBoundingClientRect();  
  var scrollLeft = window.pageXOffset || document.documentElement.scrollLeft;  
  var scrollTop = window.pageYOffset || document.documentElement.scrollTop;  
  return {  
    top: rect.top + scrollTop,  
    left: rect.left + scrollLeft  
  };  
};
```

```
var isScrolledIntoView = function isScrolledIntoView(el) {  
  var top = el.offsetTop;  
  var left = el.offsetLeft;  
  var width = el.offsetWidth;  
  var height = el.offsetHeight;
```

```

while (el.offsetParent) {
    // eslint-disable-next-line no-param-reassign
    el = el.offsetParent;
    top += el.offsetTop;
    left += el.offsetLeft;
}

return {
    all: top >= window.pageYOffset && left >= window.pageXOffset && top + height <=
window.pageYOffset + window.innerHeight && left + width <= window.pageXOffset +
window.innerWidth,
    partial: top < window.pageYOffset + window.innerHeight && left < window.pageXOffset +
window.innerWidth && top + height > window.pageYOffset && left + width >
window.pageXOffset
};
};

var breakpoints = {
    xs: 0,
    sm: 576,
    md: 768,
    lg: 992,
    xl: 1200,
    xxl: 1540
};

var getBreakpoint = function getBreakpoint(el) {
    var classes = el && el.classList.value;
    var breakpoint;

    if (classes) {
        breakpoint = breakpoints[classes.split(' ').filter(function (cls) {

```



```

        return cls.includes('navbar-expand-');
    }).pop().split('-').pop()];
}

return breakpoint;
};

/* ----- Cookie ----- */

var setCookie = function setCookie(name, value, expire) {
    var expires = new Date();
    expires.setTime(expires.getTime() + expire);
    document.cookie = "".concat(name, "=").concat(value,
";expires=").concat(expires.toUTCString());
};

var getCookie = function getCookie(name) {
    var keyValue = document.cookie.match("(^|;) ?".concat(name, "=(.*)");
    return keyValue ? keyValue[2] : keyValue;
};

var settings = {
    tinymce: {
        theme: 'oxide'
    },
    chart: {
        borderColor: 'rgba(255, 255, 255, 0.8)'
    }
};

/* ----- Chart Initialization ----- */

var newChart = function newChart(chart, config) {
    var ctx = chart.getContext('2d');

```

```

    return new window.Chart(ctx, config);
};

/* ----- Store ----- */

var getItemFromStore = function getItemFromStore(key, defaultValue) {
    var store = arguments.length > 2 && arguments[2] !== undefined ? arguments[2] :
localStorage;

    try {
        return JSON.parse(store.getItem(key)) || defaultValue;
    } catch (_unused) {
        return store.getItem(key) || defaultValue;
    }
};

var setItemToStore = function setItemToStore(key, payload) {
    var store = arguments.length > 2 && arguments[2] !== undefined ? arguments[2] :
localStorage;
    return store.setItem(key, payload);
};

var getStoreSpace = function getStoreSpace() {
    var store = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] :
localStorage;
    return parseFloat((escape(encodeURIComponent(JSON.stringify(store))).length / (1024 *
1024))).toFixed(2));
};

var utils = {
    docReady: docReady,
    resize: resize,
    isArray: isArray,
    isIterableArray: isIterableArray,

```

```

camelize: camelize,
getData: getData,
hasClass: hasClass,
addClass: addClass,
hexToRgb: hexToRgb,
rgbaColor: rgbaColor,
colors: colors,
grays: grays,
getOffset: getOffset,
isScrolledIntoView: isScrolledIntoView,
getBreakpoint: getBreakpoint,
setCookie: setCookie,
getCookie: getCookie,
newChart: newChart,
settings: settings,
getItemFromStore: getItemFromStore,
setItemToStore: setItemToStore,
getStoreSpace: getStoreSpace
};
/* ----- */

/*           Detector           */

/* ----- */

var detectorInit = function detectorInit() {
    var _window = window,
        is = _window.is;
    var html = document.querySelector('html');
    is.opera() && addClass(html, 'opera');
    is.mobile() && addClass(html, 'mobile');
    is.firefox() && addClass(html, 'firefox');
    is.safari() && addClass(html, 'safari');

```

```

is.ios() && addClass(html, 'ios');
is.iphone() && addClass(html, 'iphone');
is.ipad() && addClass(html, 'ipad');
is.ie() && addClass(html, 'ie');
is.edge() && addClass(html, 'edge');
is.chrome() && addClass(html, 'chrome');
is.mac() && addClass(html, 'osx');
is.windows() && addClass(html, 'windows');
navigator.userAgent.match('CriOS') && addClass(html, 'chrome');
};
/*-----
| Top navigation opacity on scroll
-----*/

```

```

var navbarInit = function navbarInit() {
  var Selector = {
    NAVBAR: '[data-navbar-on-scroll]',
    NAVBAR_COLLAPSE: '.navbar-collapse',
    NAVBAR_TOGGLER: '.navbar-toggler'
  };
  var ClassNames = {
    COLLAPSED: 'collapsed'
  };
  var Events = {
    SCROLL: 'scroll',
    SHOW_BS_COLLAPSE: 'show.bs.collapse',
    HIDE_BS_COLLAPSE: 'hide.bs.collapse',
    HIDDEN_BS_COLLAPSE: 'hidden.bs.collapse'
  };
  var DataKey = {
    NAVBAR_ON_SCROLL: 'navbar-light-on-scroll'
  };
};

```

```

var navbar = document.querySelector(Selector.NAVBAR); // responsive nav collapsed

navbar.addEventListener('click', function (e) {
    if (e.target.classList.contains('nav-link') && window.innerWidth
< utils.getBreakpoint(navbar)) {
        navbar.querySelector(Selector.NAVBAR_TOGGLER).click();
    }
});

if (navbar) {
    var windowHeight = window.innerHeight;
    var html = document.documentElement;
    var navbarCollapse = navbar.querySelector(Selector.NAVBAR_COLLAPSE);

    var allColors = _objectSpread(_objectSpread({}, utils.colors), utils.grays);

    var name = utils.getData(navbar, DataKey.NAVBAR_ON_SCROLL);
    var colorName = Object.keys(allColors).includes(name) ? name : 'white';
    var color = allColors[colorName];
    var bgClassName = "bg-".concat(colorName);
    var shadowName = 'shadow-transition';
    var colorRgb = utils.hexToRgb(color);

    var _window$getComputedSt = window.getComputedStyle(navbar),
        backgroundImage = _window$getComputedSt.backgroundImage;

    var transition = 'background-color 0.35s ease';
    navbar.style.backgroundImage = 'none'; // Change navbar background color on scroll

    window.addEventListener(Events.SCROLL, function () {
        var scrollTop = html.scrollTop;
        var alpha = scrollTop / windowHeight * 0.75; // Add class on scroll

```

```

    navbar.classList.add('backdrop');

    if (alpha === 0) {
        navbar.classList.remove('backdrop');
    }

    alpha >= 1 && (alpha = 0.75);
    navbar.style.backgroundColor = "rgba(".concat(colorRgb[0], ", ").concat(colorRgb[1], ", ").concat(colorRgb[2], ", ").concat(alpha, ")");
    navbar.style.backgroundImage = alpha > 0 || utils.hasClass(navbarCollapse, 'show') ?
backgroundImage : 'none';
    alpha > 0 || utils.hasClass(navbarCollapse, 'show') ? navbar.classList.add(shadowName) :
navbar.classList.remove(shadowName);
}); // Toggle bg class on window resize

utils.resize(function () {
    var breakpoint = utils.getBreakpoint(navbar);

    if (window.innerWidth > breakpoint) {
        navbar.style.backgroundImage = html.scrollTop ? backgroundImage : 'none';
        navbar.style.transition = 'none';
        } else if (!utils.hasClass(navbar.querySelector(Selector.NAVBAR_TOGGLER),
ClassNames.COLLAPSED)) {
            navbar.classList.add(bgClassName);
            navbar.classList.add(shadowName);
            navbar.style.backgroundImage = backgroundImage;
        }

    if (window.innerWidth <= breakpoint) {
        navbar.style.transition = utils.hasClass(navbarCollapse, 'show') ? transition : 'none';
    }
});
navbarCollapse.addEventListener(Events.SHOW_BS_COLLAPSE, function () {

```

```

    navbar.classList.add(bgClassName);
    navbar.classList.add(shadowName);
    navbar.style.backgroundImage = backgroundImage;
    navbar.style.transition = transition;
  });
  navbarCollapse.addEventListener(Events.HIDE_BS_COLLAPSE, function () {
    navbar.classList.remove(bgClassName);
    navbar.classList.remove(shadowName);
    !html.scrollTop && (navbar.style.backgroundImage = 'none');
  });
  navbarCollapse.addEventListener(Events.HIDDEN_BS_COLLAPSE, function () {
    navbar.style.transition = 'none';
  });
}
};
/* ----- */

/*          Scroll To Top          */

/* ----- */

var scrollToTop = function scrollToTop() {
  document.querySelectorAll('[data-anchor] > a, [data-scroll-to]').forEach(function (anchor) {
    anchor.addEventListener('click', function (e) {
      var _utils$getData;

      e.preventDefault();
      var el = e.target;
      var id = utils.getData(el, 'scroll-to') || el.getAttribute('href');
      window.scroll({
        top: (_utils$getData = utils.getData(el, 'offset-top')) !== null && _utils$getData !== void 0
          ? _utils$getData : utils.getOffset(document.querySelector(id)).top - 100,

```

```

    left: 0,
    behavior: 'smooth'
  });
  window.location.hash = id;
});
});
}; // /* ----- */
// /*           Theme Initialization           */
// /* ----- */

```

```

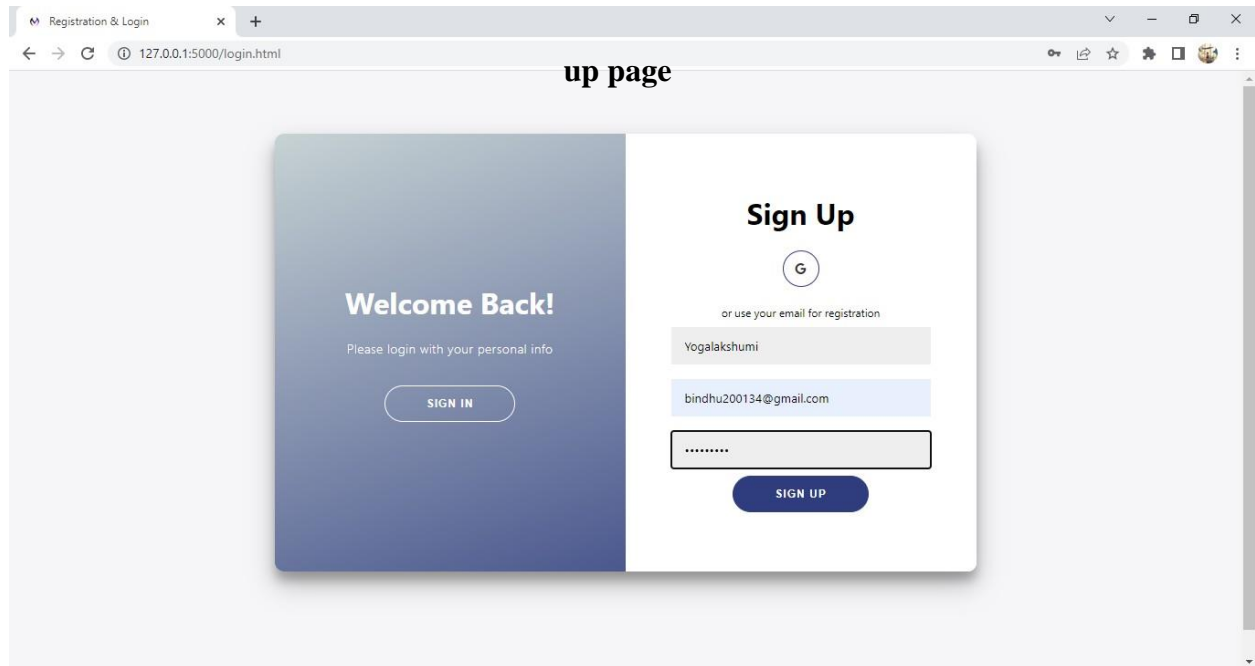
docReady(navbarInit);
docReady(detectorInit);
docReady(scrollToTop);
//# sourceMappingURL=theme.js.map

```

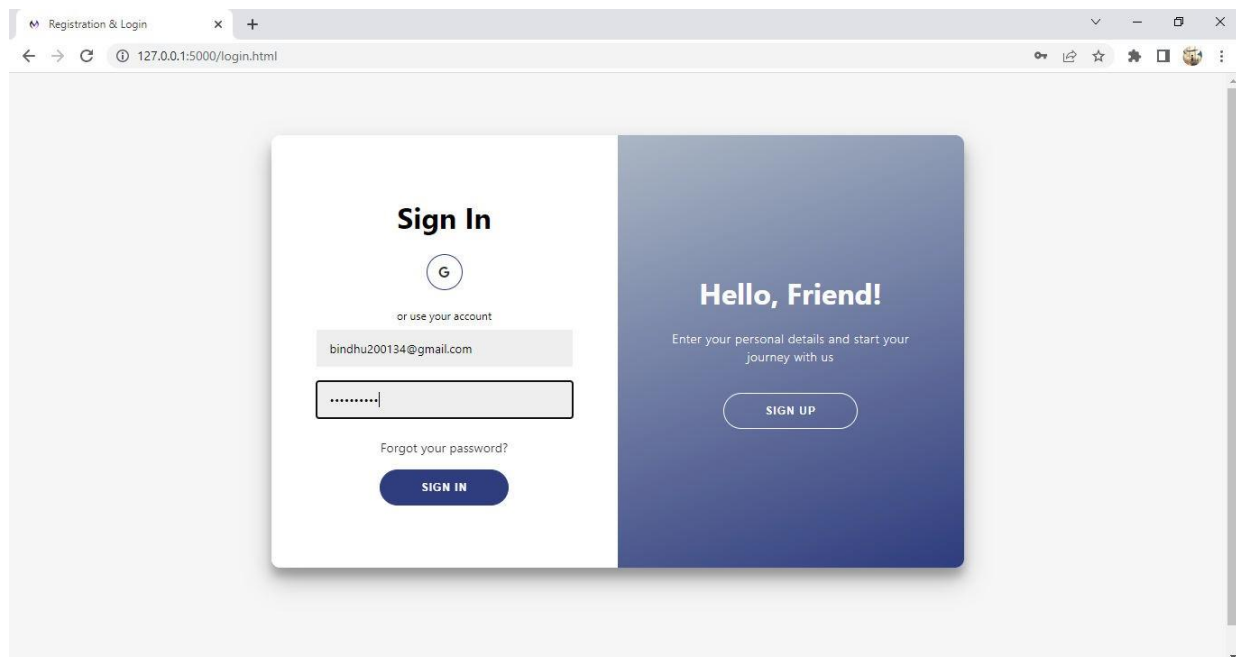


9. RESU

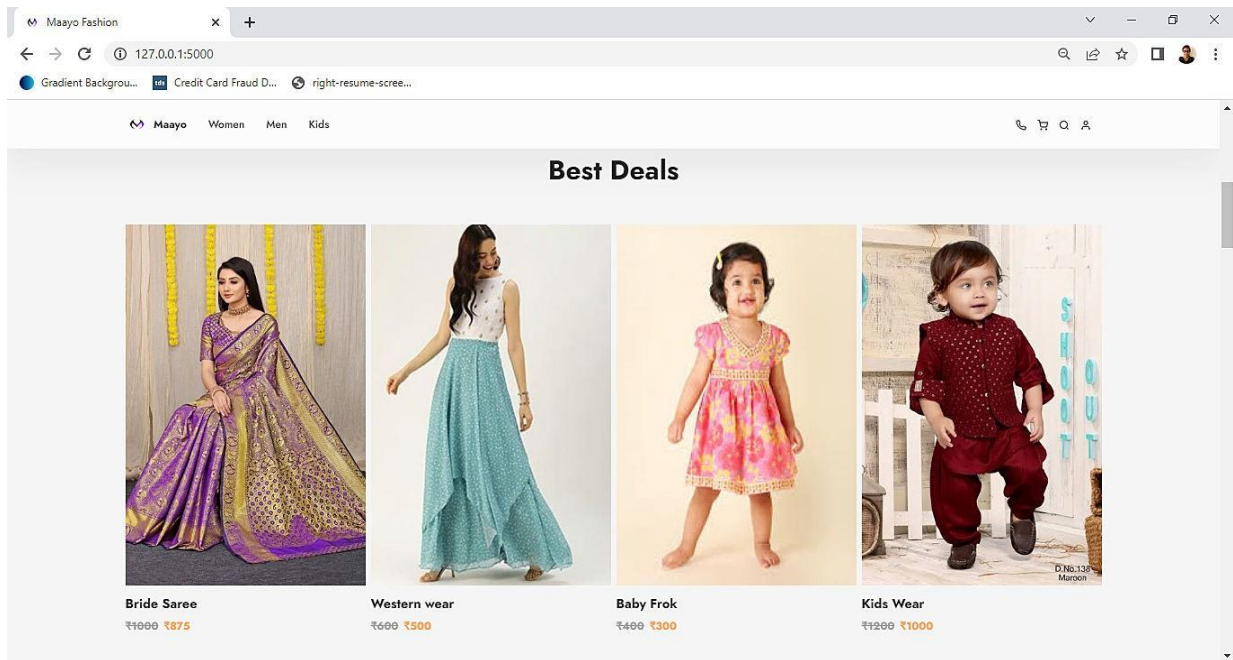
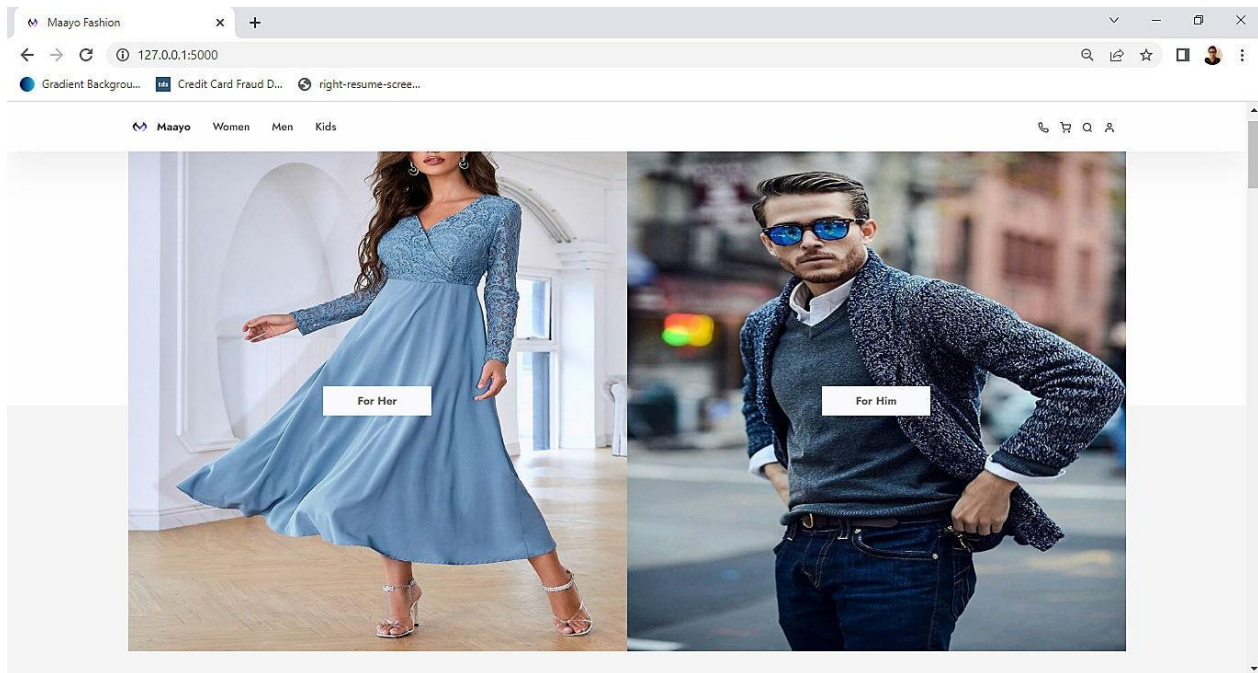
LTS Sign

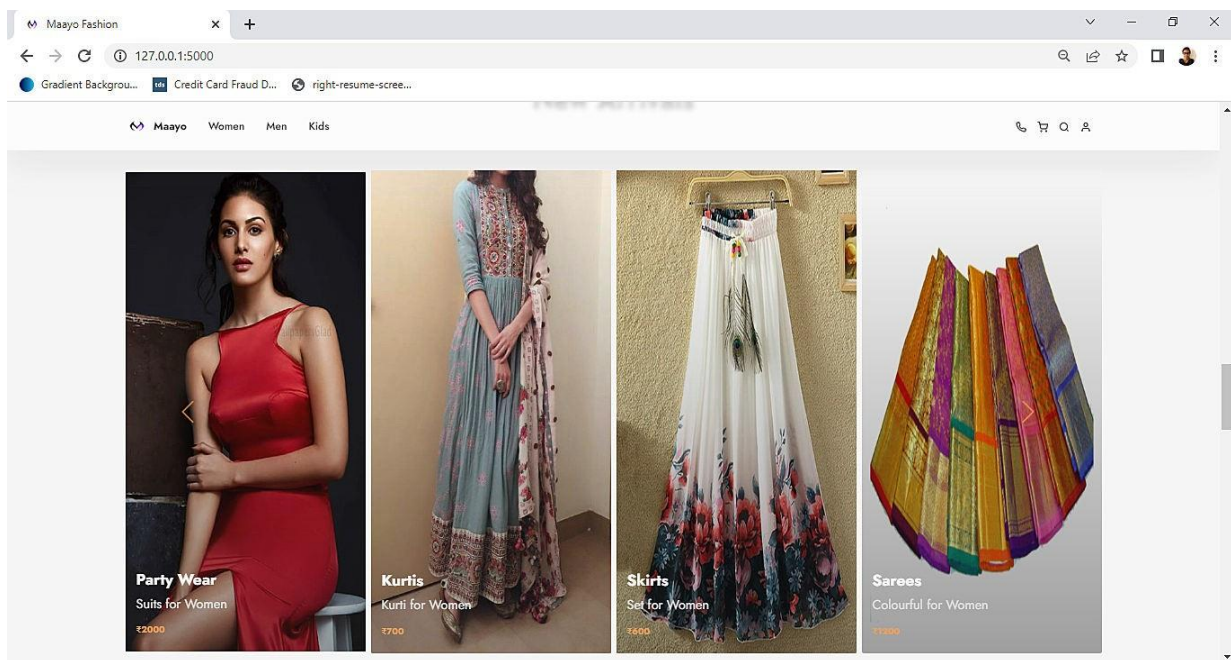
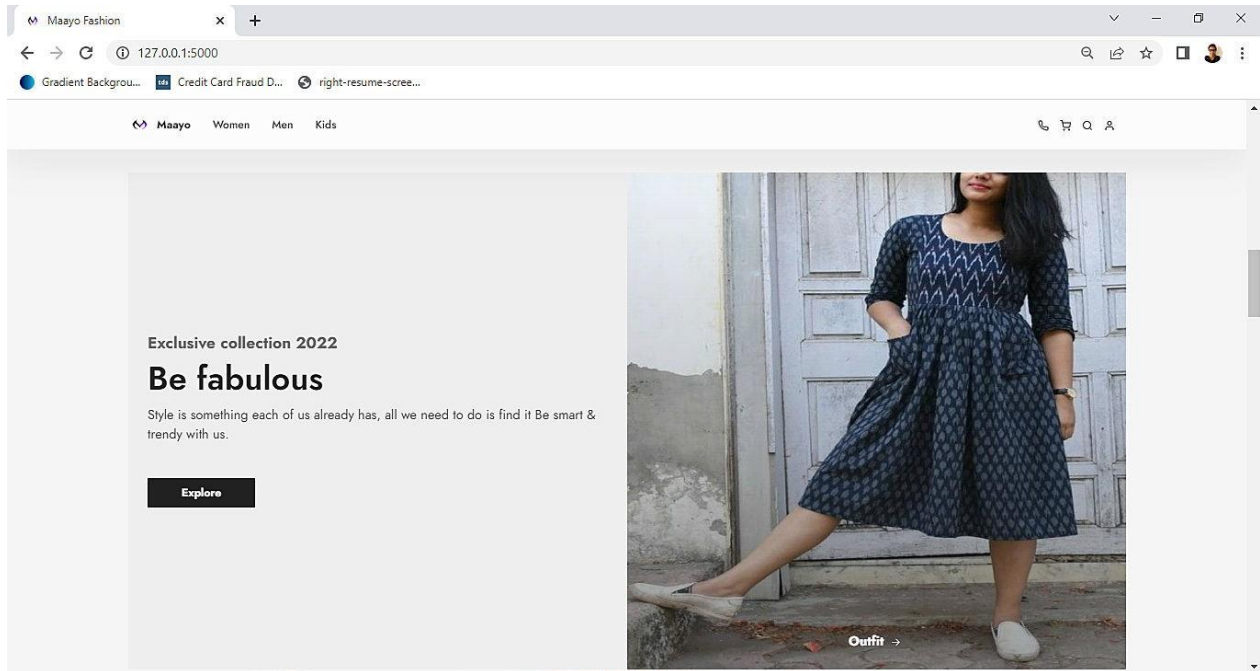


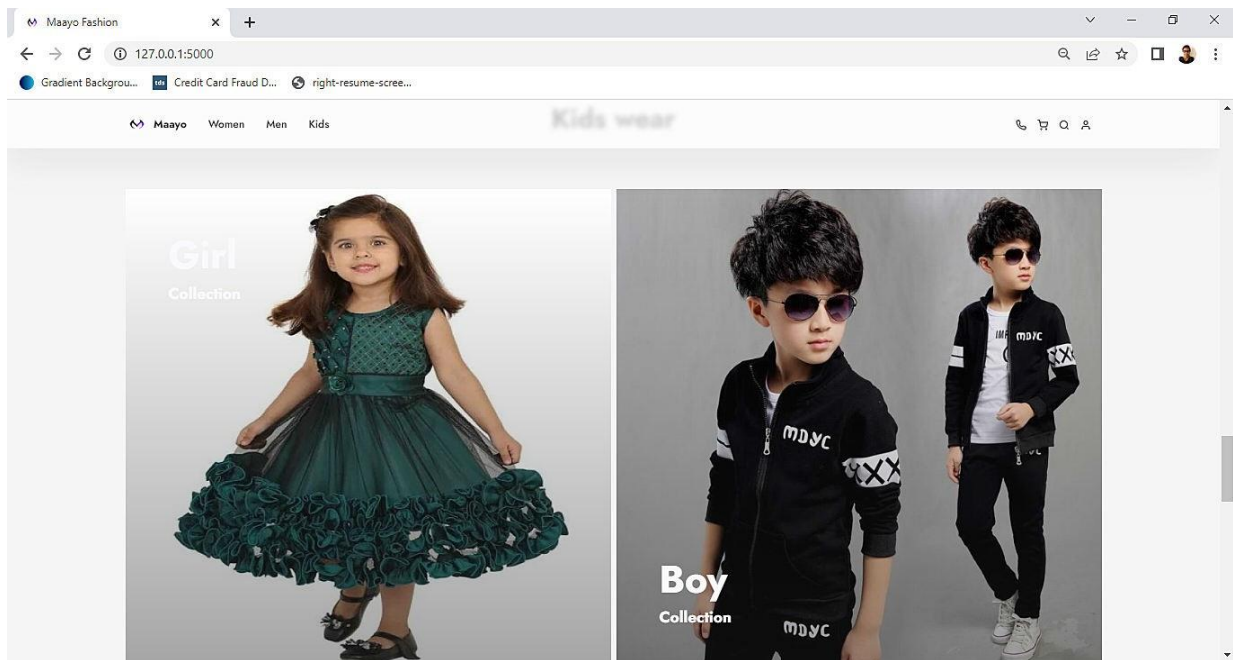
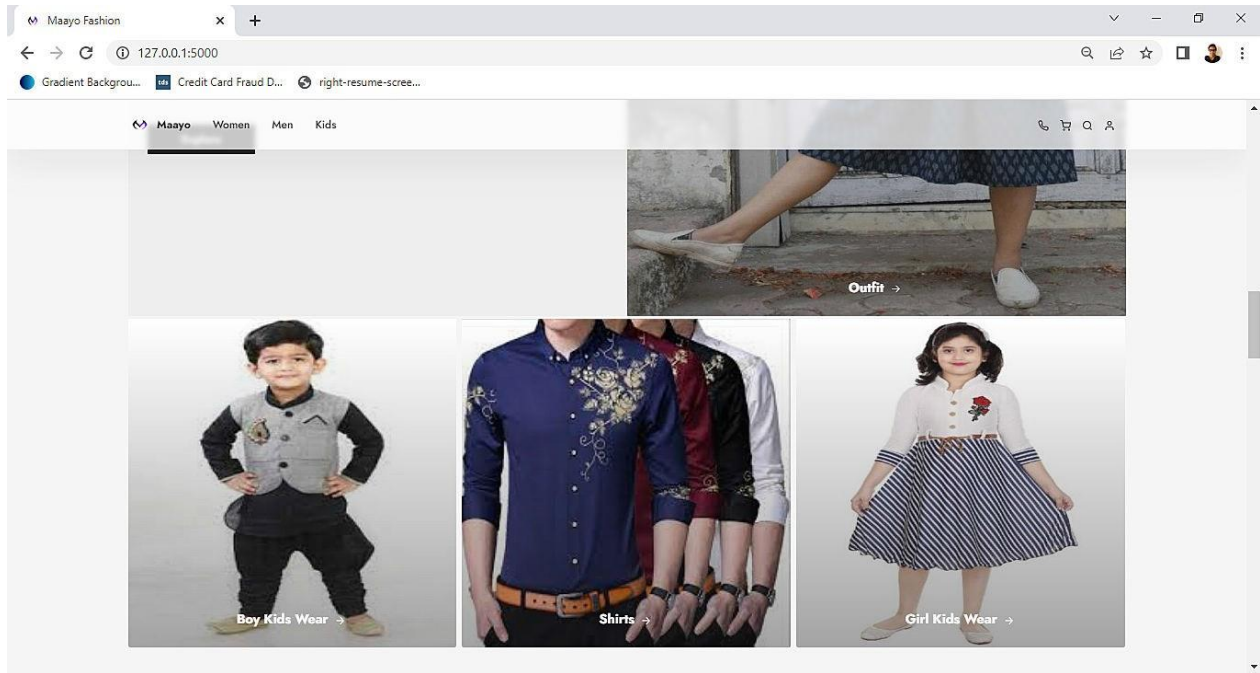
Sign in page

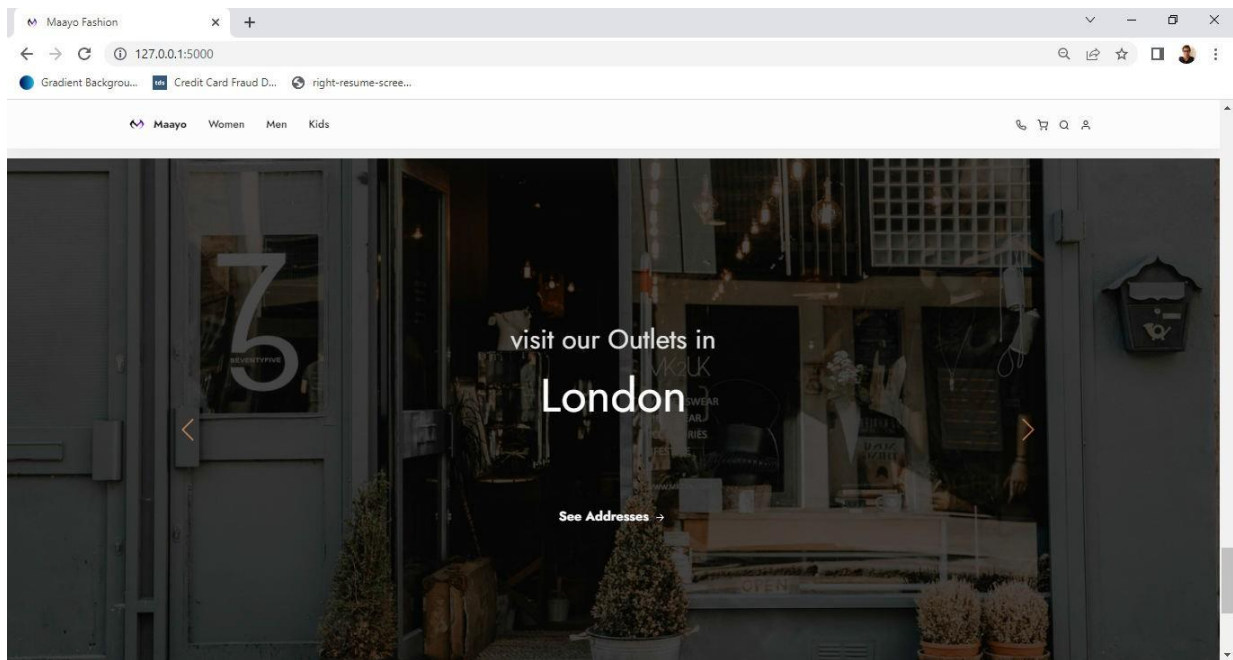
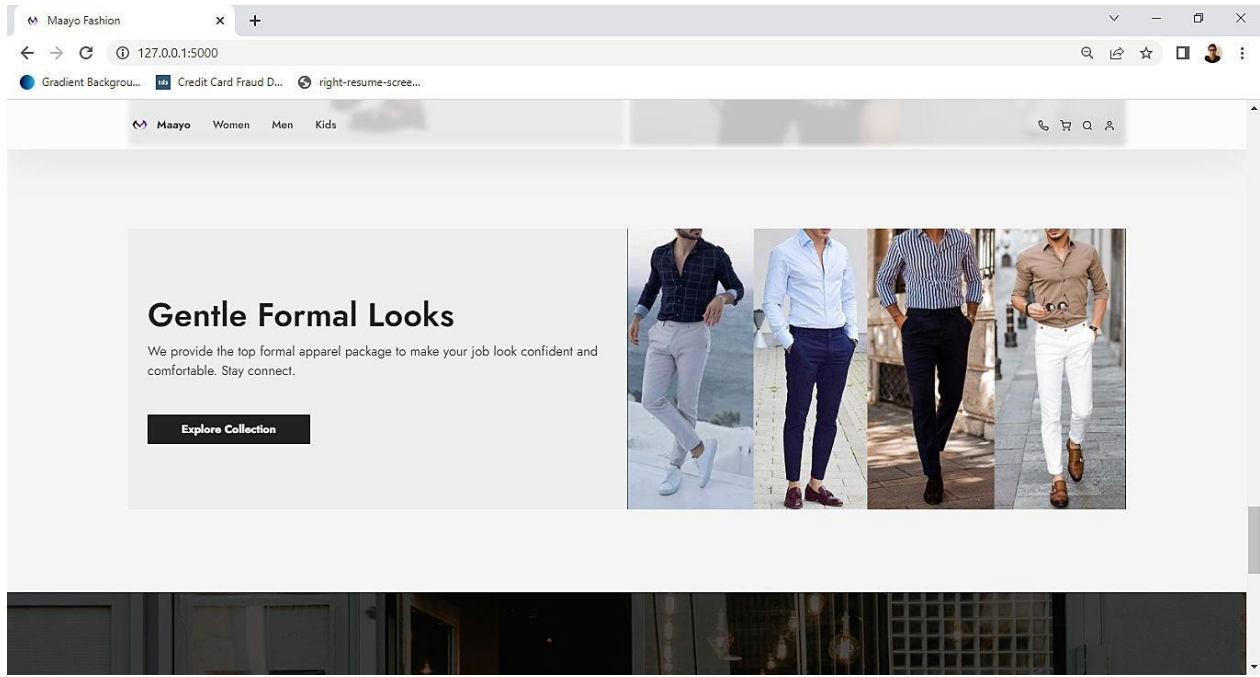


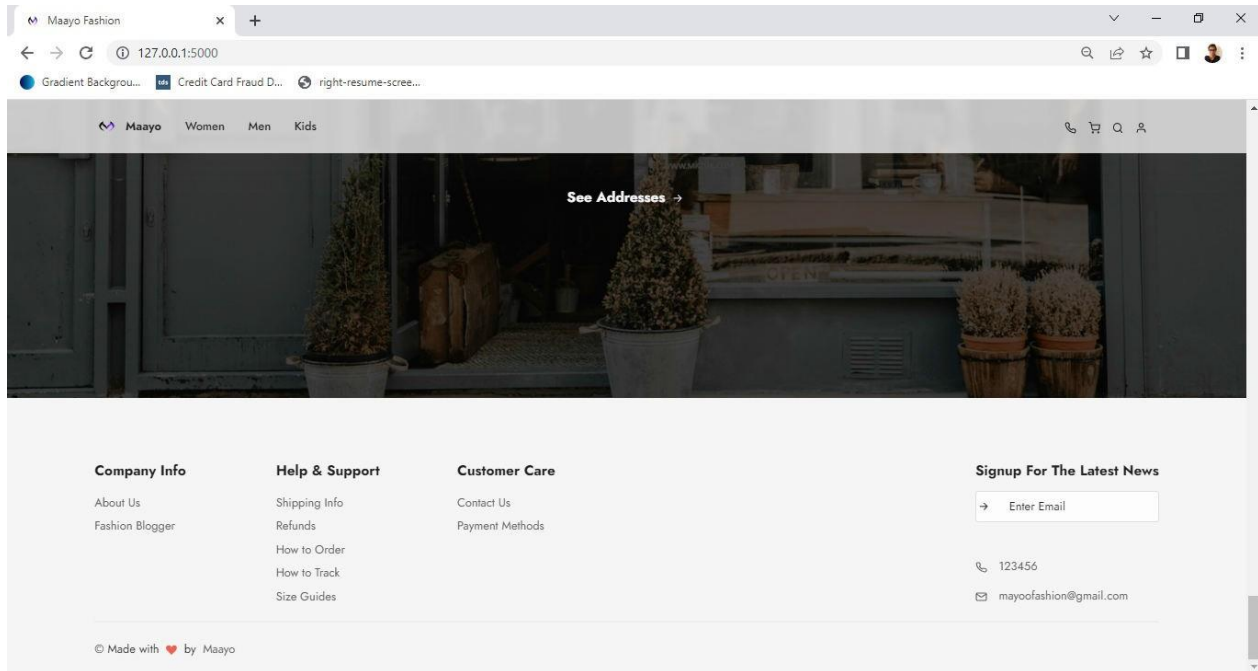
Dashboard



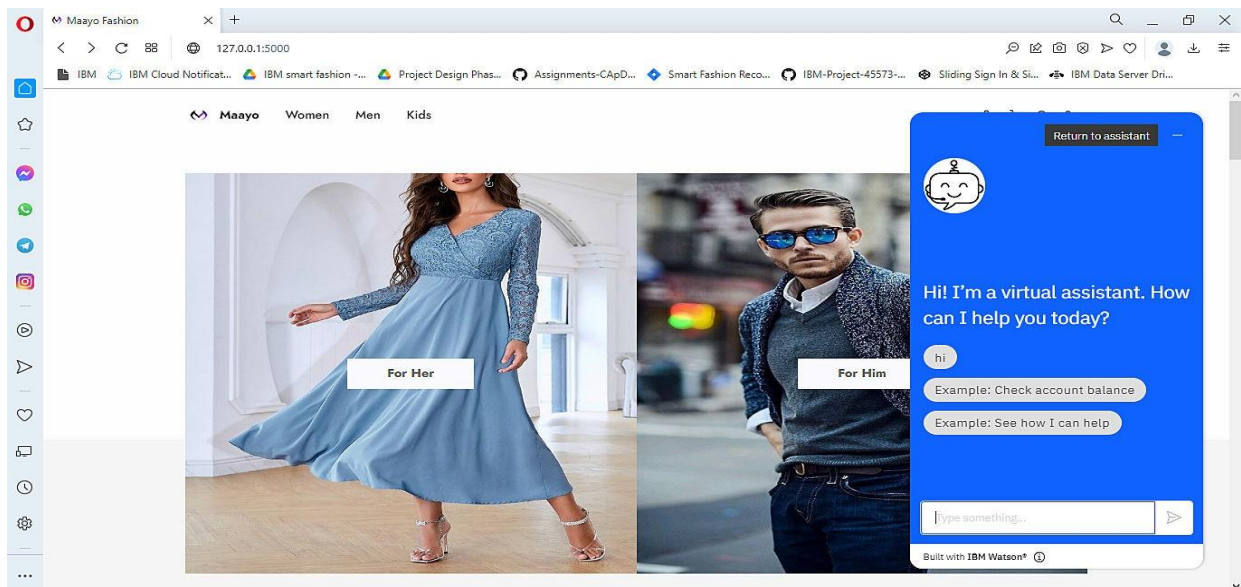


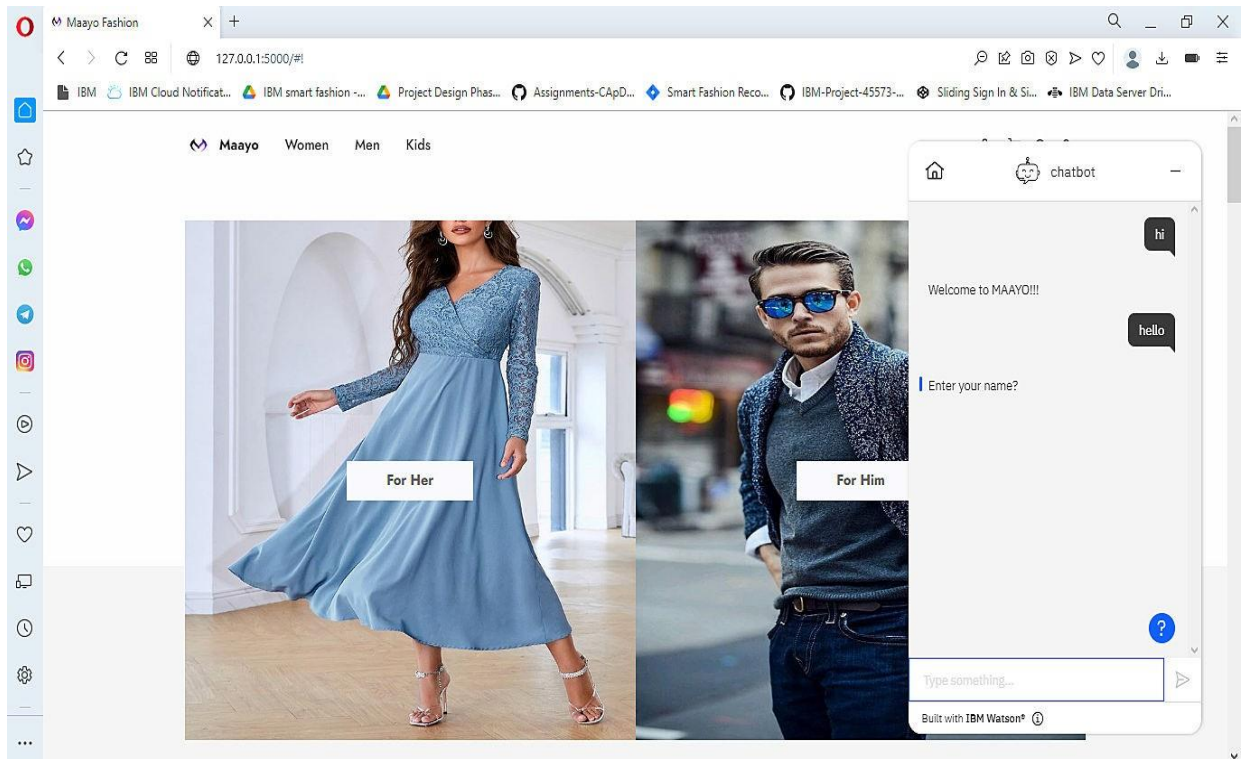
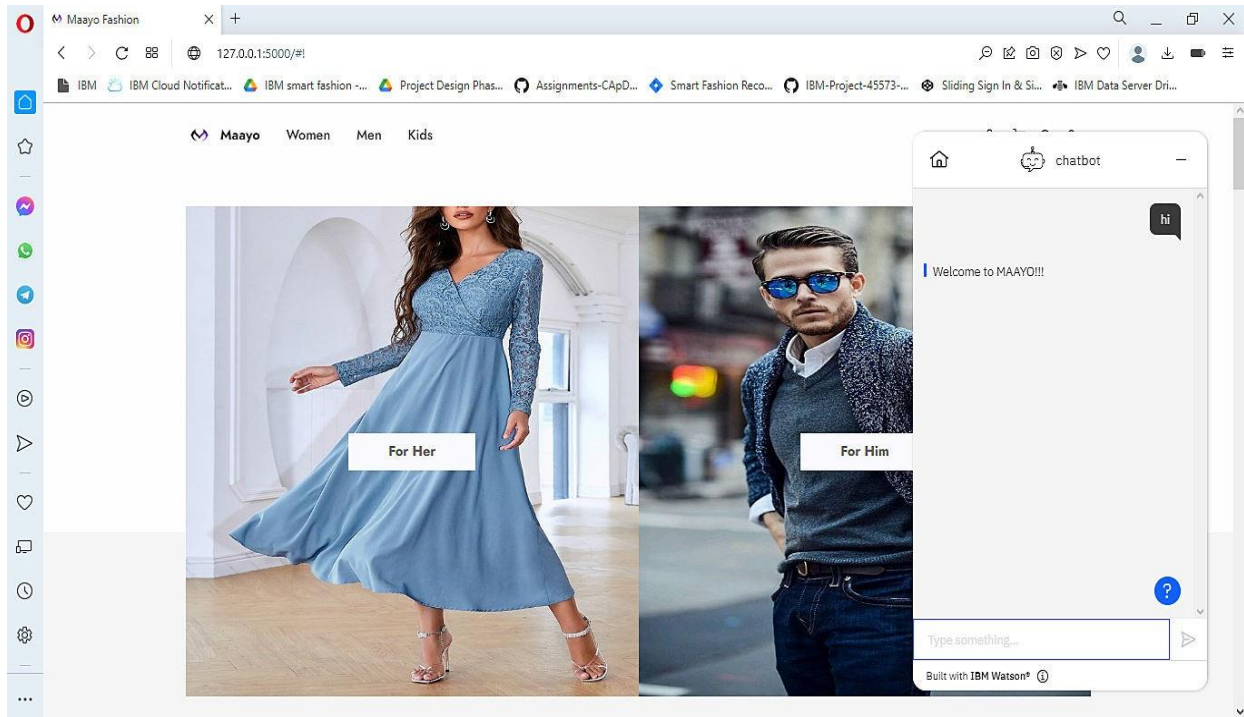






Developing Chatbot






Maayo Fashion


127.0.0.1:5000/#

IBM IBM Cloud Notificat... IBM smart fashion ~... Project Design Phas... Assignments-CaP... Smart Fashion Reco... IBM-Project-45573-... Sliding Sign In & Si... IBM Data Server Dri...

Maayo Women Men Kids



For Her



For Him

chatbot

hi

Welcome to MAAYO!!!

hello

Enter your name?

Yogalakshumi

Welcome Yogalakshumi!!!
How can I help you Yogalakshumi??

New Order About us Contact us

Today Deals

Type something...

Built with IBM Watson®

Payment and Order Tracking Page

Tracking & Shipping

127.0.0.1:5000/tracking.html

View Details

Thanks For Your Order! Murugan

Order ID **1222528743**

Place On **12,Dec 2022**


Bride Lehenga

Qt: 1 Pair

₹10,000 via (COD)

Tracking Status on: 11:30pm, Today

Reached Hub, Delhi



Tracking & Shipping

127.0.0.1:5000/tracking.html

Track

Cancel

Pre-pay


Casual Shirt

Qt: 1 Pair

₹900 via (Online Payment))

Tracking Status on: 10:30am, Tomorrow

Reached Madurai



1

2

3

PLACED

SHIPPED

DELIVERED

Total Order Price ₹10,900

10. ADVANTAGE AND DISADVANTAGE

ADVANTAGES

- Online stores are usually available 24 hours a day, and many consumers have Internet access both at work and at home.
- It is also easy to cancel the transactions.
- Saves time and effort.
- Wide variety / range of products are available.
- Get detailed information about the product.
- We can compare various models / brands.
- Flexibility for customers
- More convenience for both customers and sellers
- Business can be easily scaled
- Convenience in time – people can shop from home, while travelling, and whenever they want. No worrying about store closing, holidays, traffic jam.
- They can easily compare products and prices at different online stores
- You can get detailed explanation of the product, its working, materials/ingredients – even demo videos. This helps consumers to make informed decisions.
- Online stores clearly mention return and exchange policies on the site, making it easy for shoppers to decide.

DISADVANTAGES

- Lack of Personal Touch
- Need for internet access
- Credit card frauds
- Shipping costs
- No one can buy during a site cash

11. CONCLUSION

Prior to this research, chatbots have had a questionable level of intelligence. The achieved aim of this work is the design and implementation of a chatbot for Smart fashion online shopping. In this way, customers chat with the bot to inquire about particular items they seek to purchase and pay online for the items. The chatbot is accessible via portable mobile devices or computers, which customers can log in to anywhere and anytime, thereby providing a 24-hour online service. User recommendations can be made by the chatbot depending on their interests. It may advertise the day's top specials and promotions. It will keep a database of the customer's information and orders. If the order is accepted, the chatbot will notify the customers. Chatbots can be useful for gathering consumer reviews. The system might be improved and adjusted in a variety of ways in the future. It is entirely dependent on the users. If people appreciate our site and the way we work, we have some ideas for the future that will benefit all users in the country. We have a few suggestions on how to handle this. As we all know, the world's technology is advancing at an alarming rate. If we are to survive on it, we must also become more evolved in other aspects of life

12. FUTURE SCOPE

The Administrator of the application can be given more functionalities. Multiple shopping carts can be allowed. We can use voice node to search the product.

13. APPENDIX

SOURCE CODE

DASHBOARD HTML CODING

```
<!DOCTYPE html>
<html lang="en-US" dir="ltr">

<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- =====>
  <!-- Document Title-->
  <!-- =====>
  <title>Maayo Fashion</title>

  <!-- =====>
  <!-- Favicons-->
  <!-- =====>
  <link rel="icon" type="image/png" sizes="32x32" href="https://maayo.s3.jp-tok.cloud-object-
storage.appdomain.cloud/logo.png">
  <link rel="icon" type="image/png" sizes="16x16" href="https://maayo.s3.jp-tok.cloud-object-
storage.appdomain.cloud/logo.png">
  <meta name="theme-color" content="#ffffff">

  <!-- =====>
  <!-- Stylesheets-->
  <!-- =====>
  <link href="https://smartfashionrecommendaation.s3.jp-tok.cloud-object-
storage.appdomain.cloud/theme.css" rel="stylesheet" />

</head>
```

```

<body>

<!-- =====>
<!--   Main Content-->
<!-- =====>
<main class="main" id="top">
  <nav class="navbar navbar-expand-lg navbar-light fixed-top py-3 d-block" data-navbar-on-
scroll="data-navbar-on-scroll">
    <div class="container"><a class="navbar-brand d-inline-flex" href="index.html"><span class="text-1000 fs-0 fw-
bold ms-2">Maayo</span></a>
    <button class="navbar-toggler collapsed" type="button" data-bs-toggle="collapse" data-
bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation"><span class="navbar-toggler-
icon"></span></button>
    <div class="collapse navbar-collapse border-top border-lg-0 mt-4 mt-lg-0"
id="navbarSupportedContent">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item px-2"><a class="nav-link fw-medium active" aria-current="page"
href="/women.html">Women</a></li>
        <li class="nav-item px-2"><a class="nav-link fw-medium"
href="/mens.html">Men</a></li>
        <li class="nav-item px-2"><a class="nav-link fw-medium"
href="/kid.html">Kids</a></li>
      </ul>
      <form class="d-flex"><a class="text-1000" href="/contactus.html">
        <svg class="feather feather-phone me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round">
          <path d="M22 16.92v3a2 2 0 0 1-2.18 2 19.79 19.79 0 0 1-8.63-3.07 19.5 19.5 0 0 1-
6-6 19.79 19.79 0 0 1-3.07-8.67A2 2 0 0 1 4.11 2h3a2 2 0 0 1 2 1.72 12.84 12.84 0 0 0 .7 2.81 2
2 0 0 1-.45 2.11L8.09 9.91a16 16 0 0 0 6 6l1.27-1.27a2 2 0 0 1 2.11-.45 12.84 12.84 0 0 0
2.81.7A2 2 0 0 1 22 16.92z"></path>
        </svg></a><a class="text-1000" href="/tracking.html">
        <svg class="feather feather-shopping-cart me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-

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width="2" stroke-linecap="round" stroke-linejoin="round">
    <circle cx="9" cy="21" r="1"></circle>
    <circle cx="20" cy="21" r="1"></circle>
    <path d="M1 1h4l2.68 13.39a2 2 0 0 0 2 1.61h9.72a2 2 0 0 0 2-1.61L23
6H6"></path>
    </svg></a><a class="text-1000" href="#!">
    <svg class="feather feather-search me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round">
    <circle cx="11" cy="11" r="8"></circle>
    <line x1="21" y1="21" x2="16.65" y2="16.65"></line>
    </svg></a><a class="text-1000" href="/login.html">
    <svg class="feather feather-user me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round">
    <path d="M20 21v-2a4 4 0 0 0-4-4H8a4 4 0 0 0-4 4v2"></path>
    <circle cx="12" cy="7" r="4"></circle>
    </svg></a><a class="text-1000" href="#!">
</div>
</div>
</nav>
<section class="py-11 bg-light-gradient border-bottom border-white border-5">
    <div class="bg-holder overlay overlay-light">
    </div>
</section>

<!-- =====>
<!-- <section> begin =====>
<section class="py-0" id="header" style="margin-top: -23rem !important;">

    <div class="container">
        <div class="row g-0">
            <div class="col-md-6">
                <div class="card card-span h-100 text-white"> 
                <div class="card-img-overlay d-flex flex-center"> <a class="btn btn-lg btn-light"
href="/women.html">For Her</a></div>
            </div>

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        </div>
        <div class="col-md-6">
            <div class="card card-span h-100 text-white"> 
            <div class="card-img-overlay d-flex flex-center"> <a class="btn btn-lg btn-light"
href="/men.html">For Him </a></div>
        </div>
    </div>
</div>
</div>
</div>
<!-- end of .container-->

</section>
<!-- <section> close =====-->
<!-- =====-->

<!-- =====-->
<!-- <section> begin =====-->
<section class="py-0">

    <div class="container">
        <div class="row h-100">
            <div class="col-lg-7 mx-auto text-center mt-7 mb-5">
                <h5 class="fw-bold fs-3 fs-lg-5 lh-sm">Best Deals</h5>
            </div>
            <div class="col-12">
                <div class="carousel slide" id="carouselBestDeals" data-bs-touch="false" data-bs-
interval="false">
                    <div class="carousel-inner">
                        <div class="carousel-item active" data-bs-interval="10000">
                            <div class="row h-100 align-items-center g-2">
                                <div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
                                    <div class="card card-span h-100 text-white">
                                    <div class="card-img-overlay ps-0"> </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

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<div class="card-body ps-0 bg-200">
  <h5 class="fw-bold text-1000 text-truncate">Bride Saree</h5>
  <div class="fw-bold"><span class="text-600 me-2 text-decoration-line-
through">₹1000</span><span class="text-primary">₹875</span></div>
  </div><a class="stretched-link" href="/shopnow.html">Shop Now</a>
</div>
</div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
  <div class="card card-span h-100 text-white">
  <div class="card-img-overlay ps-0"> </div>
  <div class="card-body ps-0 bg-200">
    <h5 class="fw-bold text-1000 text-truncate">Western wear</h5>
    <div class="fw-bold"><span class="text-600 me-2 text-decoration-line-
through">₹600</span><span class="text-primary">₹500</span></div>
    </div><a class="stretched-link" href="/shopnow.html">Shop Now</a>
  </div>
</div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
  <div class="card card-span h-100 text-white">
  <div class="card-img-overlay ps-0"> </div>
  <div class="card-body ps-0 bg-200">
    <h5 class="fw-bold text-1000 text-truncate">Baby Frok</h5>
    <div class="fw-bold"><span class="text-600 me-2 text-decoration-line-
through">₹400</span><span class="text-primary">₹300</span></div>
    </div><a class="stretched-link" href="/shopnow.html">Shop Now</a>
  </div>
</div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
  <div class="card card-span h-100 text-white">
  <div class="card-img-overlay ps-0"> </div>
  <div class="card-body ps-0 bg-200">
    <h5 class="fw-bold text-1000 text-truncate">Kids Wear</h5>
    <div class="fw-bold"><span class="text-600 me-2 text-decoration-line-

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through">₹1200</span><span class="text-primary">₹1000</span></div>
    </div><a class="stretched-link" href="/shopnow.html">Shop Now</a>
  </div>
</div>
</div>
</div>
</section>
<!-- <section> close =====-->
<!-- =====-->

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<!-- =====-->
<!-- <section> begin =====-->
<section>

<div class="container">
  <div class="row h-100 g-0">
    <div class="col-md-6">
      <div class="bg-300 p-4 h-100 d-flex flex-column justify-content-center">
        <h4 class="text-800">Exclusive collection 2022</h4>
        <h1 class="fw-semi-bold lh-sm fs-4 fs-lg-5 fs-xl-6">Be fabulous</h1>
        <p class="mb-5 fs-1">Style is something each of us already has, all we need to do is
find it Be smart & trendy with us.</p>
        <div class="d-grid gap-2 d-md-block"><a class="btn btn-lg btn-dark" href="#"
role="button">Explore</a></div>
      </div>
    </div>
    <div class="col-md-6">
      <div class="card card-span h-100 text-white">
      <div class="card-img-overlay bg-dark-gradient">
        <div class="d-flex align-items-end justify-content-center h-100"><a class="btn btn-lg
text-light fs-1" href="#" role="button">Outfit
        <svg class="bi bi-arrow-right-short" xmlns="http://www.w3.org/2000/svg"
width="23" height="23" fill="currentColor" viewBox="0 0 16 16">
          <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0 1 1

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.708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5A.5.5 0 0 1 4 8z">
</path>
    </svg></a></div>
  </div>
</div>
</div>
</div>
<div class="row h-100 g-2 py-1">
  <div class="col-md-4">
    <div class="card card-span h-100 text-white">
    <div class="card-img-overlay bg-dark-gradient">
      <div class="d-flex align-items-end justify-content-center h-100"><a class="btn btn-lg
text-light fs-1" href="#" role="button">Boy Kids Wear
        <svg class="bi bi-arrow-right-short" xmlns="http://www.w3.org/2000/svg"
width="23" height="23" fill="currentColor" viewBox="0 0 16 16">
          <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0 1 1
.708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5A.5.5 0 0 1 4 8z">
        </path>
      </svg></a></div>
    </div>
  </div>
</div>
<div class="col-md-4">
    <div class="card card-span h-100 text-white">
    <div class="card-img-overlay bg-dark-gradient">
      <div class="d-flex align-items-end justify-content-center h-100"><a class="btn btn-lg
text-light fs-1" href="#" role="button">Shirts
        <svg class="bi bi-arrow-right-short" xmlns="http://www.w3.org/2000/svg"
width="23" height="23" fill="currentColor" viewBox="0 0 16 16">
          <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0 1 1
.708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5A.5.5 0 0 1 4 8z">
        </path>
      </svg></a></div>
    </div>
  </div>
</div>

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    </div>
    <div class="col-md-4">
        <div class="card card-span h-100 text-white">
        <div class="card-img-overlay bg-dark-gradient">
            <div class="d-flex align-items-end justify-content-center h-100"><a class="btn btn-lg
text-light fs-1" href="#" role="button">Girl Kids Wear
                <svg class="bi bi-arrow-right-short" xmlns="http://www.w3.org/2000/svg"
width="23" height="23" fill="currentColor" viewBox="0 0 16 16">
                    <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0 1 1
.708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5a.5.5 0 0 1 4 8z">
                </path>
            </svg></a></div>
        </div>
    </div>
</div>
<!-- end of .container-->

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</section>
<!-- <section> close =====-->
<!-- =====-->

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```

<section class="py-0">
    <div class="container">
        <div class="row h-100">
            <div class="col-lg-7 mx-auto text-center mb-6">
                <h5 class="fs-3 fs-lg-5 lh-sm mb-3">New Arrivals</h5>
            </div>
            <div class="col-12">
                <div class="carousel slide" id="carouselNewArrivals" data-bs-ride="carousel">
                    <div class="carousel-inner">
                        <div class="carousel-item active" data-bs-interval="10000">
                            <div class="row h-100 align-items-center g-2">
                                <div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
                                    <div class="card card-span h-100 text-white">
    <div class="card-img-overlay bg-dark-gradient d-flex flex-column-reverse">
        <h6 class="text-primary">₹2000</h6>
        <p class="text-400 fs-1">Suits for Women</p>
        <h4 class="text-light">Party Wear</h4>
    </div><a class="stretched-link"
href="/shopnow.html" style="color:#000;">Shop Now</a>
    </div>
</div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
    <div class="card card-span h-100 text-white">
        <div class="card-img-overlay bg-dark-gradient d-flex flex-column-reverse">
            <h6 class="text-primary">₹700</h6>
            <p class="text-400 fs-1">Kurti for Women</p>
            <h4 class="text-light">Kurtis</h4>
        </div><a class="stretched-link"
href="/shopnow.html" style="color:#000;">Shop Now</a>
        </div>
    </div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
    <div class="card card-span h-100 text-white">
        <div class="card-img-overlay bg-dark-gradient d-flex flex-column-reverse">
            <h6 class="text-primary">₹600</h6>
            <p class="text-400 fs-1">Set for Women</p>
            <h4 class="text-light">Skirts</h4>
        </div><a class="stretched-link"
href="/shopnow.html" style="color:#000;">Shop Now</a>
        </div>
    </div>
<div class="col-sm-6 col-md-3 mb-3 mb-md-0 h-100">
    <div class="card card-span h-100 text-white">
        <div class="card-img-overlay bg-dark-gradient d-flex flex-column-reverse">

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        <h6 class="text-primary">₹1200</h6>
        <p class="text-400 fs-1">Colourful for Women</p>
        <h4 class="text-light">Sarees</h4>
    </div><a class="stretched-link"
href="/shopnow.html" style="color:#000;">Shop Now</a>
    </div>
</div>
</div>
</div>
</div>
</nav>
</div>
</div>
</div>
</section>

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<br><br><br><br><br>

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<!-- =====>

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<!-- <section> begin =====>

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```

<section class="py-0" id="kids">

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```

    <div class="container">
        <div class="row h-100 gx-2">
            <div class="col-lg-7 mx-auto text-center mb-6">
                <h5 class="fw-bold fs-3 fs-lg-5 lh-sm mb-3">Kids wear</h5>
            </div><br><br><br><br>
            <div class="col-md-6">
                <div class="card card-span h-100 text-white">
                <div class="card-img-overlay bg-dark-gradient">
                    <div class="p-5 p-md-2 p-xl-5">
                        <h1 class="fs-md-4 fs-lg-7 text-dark">Girl</h1>
                        <h5 class="fs-2 text-dark">Collection</h5>
                    </div>
                    </div><a class="stretched-link" href="/kid.html"></a>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="card card-span h-100 text-white">
        <div class="card-img-overlay bg-dark-gradient">
            <div class="p-5 p-md-2 p-xl-5 d-flex flex-column flex-end-center align-items-
baseline h-100">
                <h1 class="fs-md-4 fs-lg-7 text-light">Boy</h1>
                <h5 class="fs-2 text-light">Collection</h5>
            </div>
            </div><a class="stretched-link" href="/kid.html"></a>
        </div>
    </div>
</div>
<!-- end of .container-->

</section>
<!-- <section> close =====-->
<!-- =====-->
<!-- <section> begin =====-->
<section>

<div class="container">
    <div class="row h-100 g-0">
        <div class="col-md-6">
            <div class="bg-300 p-4 h-100 d-flex flex-column justify-content-center">
                <h1 class="fw-semi-bold lh-sm fs-4 fs-lg-5 fs-xl-6">Gentle Formal Looks </h1>
                <p class="mb-5 fs-1">We provide the top formal apparel package to make your job
look confident and comfortable. Stay connect.</p>
                <div class="d-grid gap-2 d-md-block"><a class="btn btn-lg btn-dark" href="#"
role="button">Explore Collection</a></div>
            </div>
        </div>
        <div class="col-md-6">
            <div class="card card-span h-100 text-white"><a class="stretched-link"
href="#"></a></div>
        </div>
    </div>

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```

    </div>
  </div>
  <!-- end of .container-->

</section>
<!-- <section> close =====-->
<!-- =====-->

<section class="py-11">
  <div class="bg-holder overlay overlay-0" style="background-
image:url(https://smartfashionrecommendaation.s3.jp-tok.cloud-object-
storage.appdomain.cloud/cta.png);background-position:center;background-size:cover;">
    </div>
    <!--/.bg-holder-->

    <div class="container">
      <div class="row">
        <div class="col-12">
          <div class="carousel slide carousel-fade" id="carouseCta" data-bs-ride="carousel">
            <div class="carousel-inner">
              <div class="carousel-item active" data-bs-interval="10000">
                <div class="row h-100 align-items-center g-2">
                  <div class="col-12">
                    <div class="text-light text-center py-2">
                      <h5 class="display-4 fw-normal text-400 fw-normal mb-4">visit our Outlets
in</h5>
                      <h1 class="display-1 text-white fw-normal mb-8">London</h1><a class="btn
btn-lg text-light fs-1" href="#" role="button">See Addresses
                      <svg class="bi bi-arrow-right-short" xmlns="http://www.w3.org/2000/svg"
width="23" height="23" fill="currentColor" viewBox="0 0 16 16">
                        <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0
1 1 .708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5A.5.5 0 0 1 4 8z">
                      </path>
                    </svg></a>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>

```



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        <li class="lh-lg"><a class="text-800 text-decoration-none"
href="/contactus.html">Contact Us</a></li>
        <li class="lh-lg"><a class="text-800 text-decoration-none"
href="/shopnow.html">Payment Methods</a></li>
    </ul>
</div>
<div class="col-sm-6 col-lg-auto ms-auto">
    <h5 class="lh-lg fw-bold text-1000">Signup For The Latest News</h5>
    <div class="row input-group-icon mb-5">
        <div class="col-12">
            <input class="form-control input-box" type="email" placeholder="Enter Email" aria-
label="email" />
            <svg class="bi bi-arrow-right-short input-box-icon"
xmlns="http://www.w3.org/2000/svg" width="23" height="23" fill="#424242" viewBox="0 0 16
16">
                <path fill-rule="evenodd" d="M4 8a.5.5 0 0 1 .5-.5h5.793L8.146 5.354a.5.5 0 1 1
.708-.708l3 3a.5.5 0 0 1 0 .708l-3 3a.5.5 0 0 1-.708-.708L10.293 8.5H4.5a.5.5 0 0 1 4 8z">
            </path>
        </svg>
    </div>
</div>
<p class="text-800">
    <svg class="feather feather-phone me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round">
        <path d="M22 16.92v3a2 2 0 0 1-2.18 2 19.79 19.79 0 0 1-8.63-3.07 19.5 19.5 0 0 1-
6-6 19.79 19.79 0 0 1-3.07-8.67A2 2 0 0 1 4.11 2h3a2 2 0 0 1 2 1.72 12.84 12.84 0 0 0 .7 2.81 2
2 0 0 1-.45 2.11L8.09 9.91a16 16 0 0 0 6 6l1.27-1.27a2 2 0 0 1 2.11-.45 12.84 12.84 0 0 0
2.81 7.7A2 2 0 0 1 22 16.92z"></path>
    </svg><span class="text-800"></span>
</p>
<p class="text-800">
    <svg class="feather feather-mail me-3" xmlns="http://www.w3.org/2000/svg"
width="16" height="16" viewBox="0 0 24 24" fill="none" stroke="currentColor" stroke-
width="2" stroke-linecap="round" stroke-linejoin="round">
        <path d="M4 4h16c1.1 0 2 .9 2 2v12c0 1.1-.9 2-2 2H4c-1.1 0-2-.9-2-2V6c0-1.1-.9-2
2-2z"></path>
        <polyline points="22,6 12,13 2,6"></polyline>
    </svg><span class="text-800">maayofashion@gmail.com</span>

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        </p>
    </div>
</div>
<div class="border-bottom border-3"></div>
<div class="row flex-center my-3">
    <div class="col-md-6 order-1 order-md-0">
        <p class="my-2 text-1000 text-center text-md-start"> &copy; Made with&nbsp;
            <svg class="bi bi-suit-heart-fill" xmlns="http://www.w3.org/2000/svg" width="15"
height="15" fill="#EB6453" viewBox="0 0 16 16">
                <path d="M4 1c2.21 0 4 1.755 4 3.92C8 2.755 9.79 1 12 1s4 1.755 4 3.92c0 3.263-
3.234 4.414-7.608 9.608a.513.513 0 0 1-.784 0C3.234 9.334 0 8.183 0 4.92 0 2.755 1.79 1 4
1z"></path>
            </svg>&nbsp; by &nbsp;<a class="text-800" href="/index.html"
target="_blank">Maayo </a>
        </p>
    </div>
    <div class="col-md-6">
        <div class="social">
            <div class="text-center text-md-end"><a href=""><span class="me-4" data-
feather="facebook"></span></a><a href="#!"> <span class="me-4" data-
feather="instagram"></span></a><a href="#!"> <span class="me-4" data-
feather="youtube"></span></a><a href="#!"> <span class="me-4" data-
feather="twitter"></span></a></div>
        </div>
    </div>
</div>
</div>
<!-- end of .container-->

</section>
<!-- <section> close =====-->
<!-- =====-->

</main>
<!-- =====-->
<!-- End of Main Content-->
<!-- =====-->

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<!-- =====>
<!--   JavaScripts-->
<!-- =====>
<script src="vendors/@popperjs/popper.min.js"></script>
<script src="vendors/bootstrap/bootstrap.min.js"></script>
<script src="vendors/is/is.min.js"></script>
<script src="https://polyfill.io/v3/polyfill.min.js?features=window.scroll"></script>
<script src="vendors/feather-icons/feather.min.js"></script>
<script>
    feather.replace();
</script>
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "a8642f36-1afe-4ffd-ab91-df18827ac182", // The ID of this integration.
        region: "jp-tok", // The region your integration is hosted in.
        serviceInstanceID: "8766e27c-2c49-4620-b17d-958adf80736d", // The ID of your service
instance.
        onLoad: function(instance) { instance.render(); }
    };
    setTimeout(function(){
        const t=document.createElement('script');
        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>
<script src="https://maayo.s3.jp-tok.cloud-object-
storage.appdomain.cloud/theme.js"></script>

<link
href="https://fonts.googleapis.com/css2?family=Jost:wght@200;300;400;500;600;700;800;900
&amp;display=swap" rel="stylesheet">
</body>

</html>

```

GITHUB AND PROJECT DEMO LINK

FULL SOURCE CODE

<https://github.com/IBM-EPBL/IBM-Project-45573-1660731104/tree/main/Final%20Deliverables/Final%20Code>