

SMART FASHION RECOMMENDER APPLICATION

DOMAIN : CLOUD COMPUTING

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ABSTRACT

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. Fashion applications have seen tremendous growth and are now one of the most used programs in the e-commerce field. The needs of people are continuously evolving, creating room for innovation among the applications. We are implementing such a chat bot, 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 filter search that can bring the user what they want with the help of pictorial and named representation.

1. INTRODUCTION

1.1 Project Overview:

A recommendation system is a system that is programmed to predict future preferable items from a large set of collections. A recommendation system works either by using user preferences or by using the items most preferred by all users. The main challenge in building a fashion recommendation system is that it is a very dynamic industry. It changes very often when it comes to seasons, festivals, pandemic conditions like Covid19 and many more. Recommendation generation is to generate recommendations, our proposed approach uses Sklearn Nearest neighbours Oh Yeah. This allows us to find the nearest neighbours for the given input image. The similarity measure used in this Project is the Cosine Similarity measure. The top 5 recommendations are extracted from the database and their images are displayed.

1.2 Purpose:

Recommender system has the ability to predict whether a particular user would prefer an item or not based on the user's profile. Recommender systems are beneficial to both service providers and users .They reduce transaction costs of finding and selecting items in an online shopping environment. Recommender Systems are often used to solve different complex problems in this scenario, such as social fashion-based recommendations (outfits inspired by influencers), product recommendations, or size and fit recommendations.

The main objective of this application is to provide better interactivity with the user and to reduce navigating pages to find appropriate products. This can be done with a new innovative solution through which user can directly do his/her online shopping based on their choice without any search. It can be done by using the chatbot. These attributes are then fed to a similarity model to retrieve the most closest similar products as recommendation.

2.LITERATURE SURVEY

2.1 EXISTING PROBLEM

In E-commerce websites, users need to search for products and navigate across screens to view the product, add them to the cart, and order products. The user searches for the required product but in return it might leads to the suggestion of irrelevant products. The process of time consumption is quite tedious and there is a lack of data analytics capability in the existing system.

(1) Fashion Recommendation Systems, Models And Methods

SamitChakraborty,Md.Saiful Hoque:2021

Recommendation system (RS) has also been defined as an e-commerce tool, which helps consumers search based on knowledge that is related to a consumer's choices and preferences. There are several Algorithmic Models used in Fashion Recommendation Systems. The study of algorithmic models revealed that researchers achieved better recommendation accuracy when combining multiple algorithms and techniques together rather than using a single algorithm-based baseline model.

(2) Design and Implementation of Clothing Fashion Style Recommendation System using Deep Learning

-Muhammad KHALID , Mao KEMING and Tariq HUSSAIN : 2021

The present paper presents the development of a system that recognizes fashion similar images. This can be accomplished by implementing an already existing CNN model with transfer learning for cloth image recognition using different libraries. For this purpose, a plan is created for collecting data and for developing the steps needed for preprocessing and cleaning up the data. Account features like patterns, machine, fabric, style etc are taken. After extensive preprocessing and cleaning of data in a dataset, the model of stacked CNN to predict the features specific to these attributes is constructed and to train the models with the dataset to generate accurate predictions regarding almost all forms of images

(3) Image-based fashion recommender systems

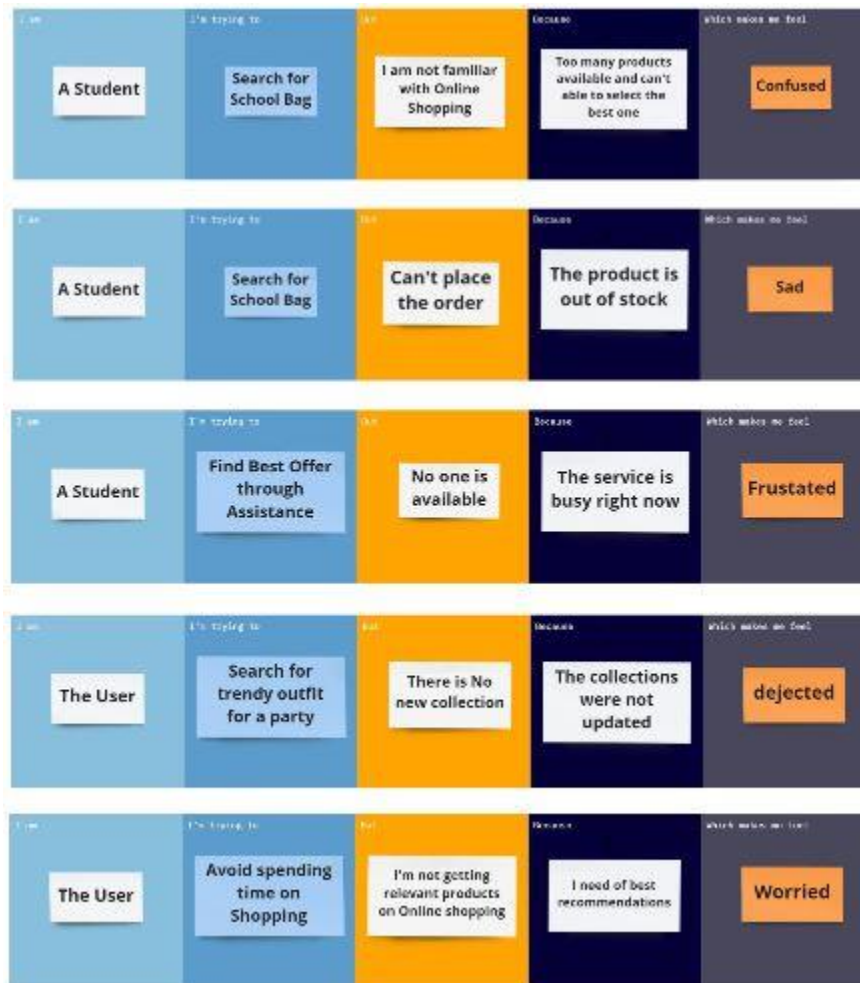
- Shaghayegh Shirkhani : 2021

Focusing on image-based fashion recommender systems, a four main tasks are identified in fashion recommender systems, bringing their characteristics to the fore, including cloth-item retrievals, Complementary item recommendation, Outfit recommendation, and Capsule wardrobes. The studies which have been conducted in each category also have been introduced. In addition, the evolution trajectory of image-based fashion recommender systems are provided , which consists of three main eras, in addition to considerations of the most recent advancements in computer vision and deep learning-based methods. Finally, the DL-based fashion recommender systems based on employing one single neural network or deep hybrid neural networks with highlighting the methods they used and the input are categorized.

2.2 Reference:

1. Barnard, M. *Fashion as Communication*, 2nd ed.; Routledge: London, UK, 2008.
2. Chakraborty, S.; Hoque, S.M.A.; Kabir, S.M.F. Predicting fashion trend using runway images: Application of logistic regression in trend forecasting. *Int. J. Fash. Des. Technol. Educ.* 2020, 13, 376–386, doi:10.1080/17543266.2020.1829096.
3. Karmaker Santu, S.K.; Sondhi, P.; Zhai, C. On application of learning to rank for e-commerce search. In *Proceedings of the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval*, Shinjuku Tokyo Japan, 7–11 August 2017; pp. 475–484, doi:10.1145/3077136.3080838.
4. Garude, D.; Khopkar, A.; Dhake, M.; Laghane, S.; Maktum, T. Skin-tone and occasion oriented outfit recommendation system. *SSRN Electron. J.* 2019, doi:10.2139/ssrn.3368058.
5. Kang, W.-C.; Fang, C.; Wang, Z.; McAuley, J. Visually-aware fashion recommendation and design with generative image models. In *Proceedings of the 2017 IEEE International Conference on Data Mining (ICDM)*, New Orleans, LA, USA, 18–21 November 2017; pp. 207–216, doi:10.1109/ICDM.2017.30.
6. Sachdeva, H.; Pandey, S. Interactive Systems for Fashion Clothing Recommendation. In *Emerging Technology in Modelling and Graphics*; Mandal, J.K., Bhattacharya, D., Eds.; Springer: Singapore, 2020; Volume 937, pp. 287–294, doi:10.1007/978-981-13-7403-6_27.

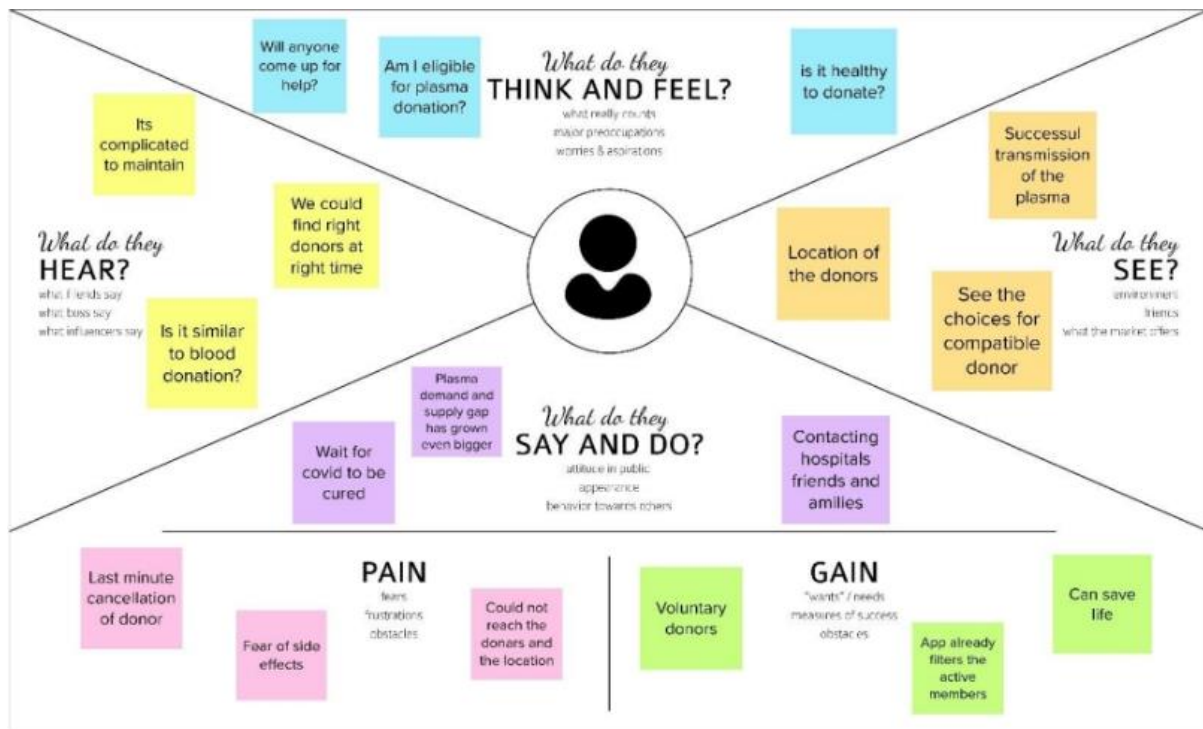
2.3 Problem Statement Definition:



3.IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes. It is a useful tool to help teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.



3.2 Ideation & Brainstorming:

2

Brainstorm

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

10 minutes

TEAM LEAD - Prabakaran G



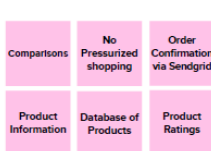
TEAM MEMBER 2 - Sanjay D



TEAM MEMBER 3 - Varun P



TEAM MEMBER 4 - Aakash K



3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

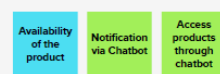
USER INTERFACE



FEATURES



CHATBOT



SENDGRID

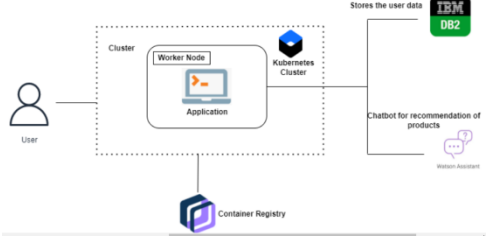


ADVANTAGES



3.3 Proposed Solution:

| S.NO. | Parameter | Description |
|-------|--|--|
| 1. | Problem Statement (Problem to be solved) | In E-commerce websites, users need to search for products and navigate across screens to view the products. It may also leads to irrelevant product suggestions. |
| 2. | Idea/Solutiondescription | The smart fashion recommender application leverages the use of a chat bot to interact with the users, gather information about their preferences, and recommend suitable products to the users |

| | | |
|----|---------------------------------------|--|
| 3. | Novelty/Uniqueness | The Users give preferences to the Chat Bot which helps to find their required products. |
| 4. | SocialImpact/ CustomerSatisfaction | The user-friendly interface make the users to find their products quickly which saves time as well as money. |
| 5. | BusinessModel(RevenueModel) | <p>The chat bot recommends the products best suited for the customer. The customer buys the product and generates revenue but the use of the application is free of cost.</p>  <pre> graph LR User((User)) --- WorkerNode[Worker Node Application] subgraph Cluster WorkerNode end WorkerNode --- K8s[Kubernetes Cluster] WorkerNode --- CR[Container Registry] WorkerNode --- Chatbot[Chatbot for recommendation of products] Chatbot --- DB2[IBM DB2] DB2 --- UserData[Stores the user data] </pre> |
| 6. | Scalabilityofthe Solution | The scalability can be increased by increasing the number of products and also accuracy of the product suggestions. |

3.4 Problem Solution Fit:

| | | | | |
|-------------------------|---|---|--|---------------------------|
| Define CS, fit into CC | 1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> Users <p>(Example : Shoppers like Price-Sensitive Shoppers. Experience Shoppers. Ready-to-Purchase Shoppers. Latest Product Shoppers. Research Shoppers.)</p> | 6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none"> Network Issues. Additional Delivery Charges. Payment Failures. Poor Tracking. Missing or Fake Product Reviews. | 5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> Using chatbot, we can manage user's choices and orders. Providing recommendations to the users, based on their interests. Best Offers and Deals via Chatbot. Better Tracking of Orders. | Explore AS, differentiate |
| | 2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none"> The user will login into the website and go through the products available on the website. The user can directly talk to Chatbot regarding the products. Get the recommendations based on information provided by the user. | 9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none"> Adapting to new technologies Security Reliability Poor Tracking | 7. BEHAVIOUR BE <ul style="list-style-type: none"> Searching for Better Fashion Recommender Platforms. Finding the better Customer Service. Finding for the best deals and offers. Best and Reliable Products. | |
| Identify Strong TR & EM | 3. TRIGGERS TR <ul style="list-style-type: none"> Through advertisements, The users are triggered in fashion. Seeing Neighbours using the application | 10. YOUR SOLUTION SL <ul style="list-style-type: none"> Implementation of Interactive Chatbots. Providing effective Recommendations. Instant Notifications regarding the status of the order. Providing reliable information of the products and customer reviews. 24 x 7 Customer services. | 8. CHANNELS of BEHAVIOUR CH <p>8.1 ONLINE:</p> <ul style="list-style-type: none"> Order and Payments through online. Tracking of products. <p>8.2 OFFLINE:</p> <ul style="list-style-type: none"> Purchasing and manual billing. Buy the products from the salesperson directly. | Identify Strong TR & EM |
| | 4. EMOTIONS: BEFORE / AFTER EM <p>Before : Anxiety, Decision Fatigue.</p> <p>After : Peaceful, Satisfied.</p> | | | |

4.REQUIREMENT ANALYSIS

4.1 Functional Requirements:

- Sign up as user
- Confirmation mail received by user after registered
- Login of admin
- Change personal, contact details by donor himself
- Change personal, contact details by admin
- Access Chat Bot by User
- Send plasma request details

4.2 Non-Functional Requirement:

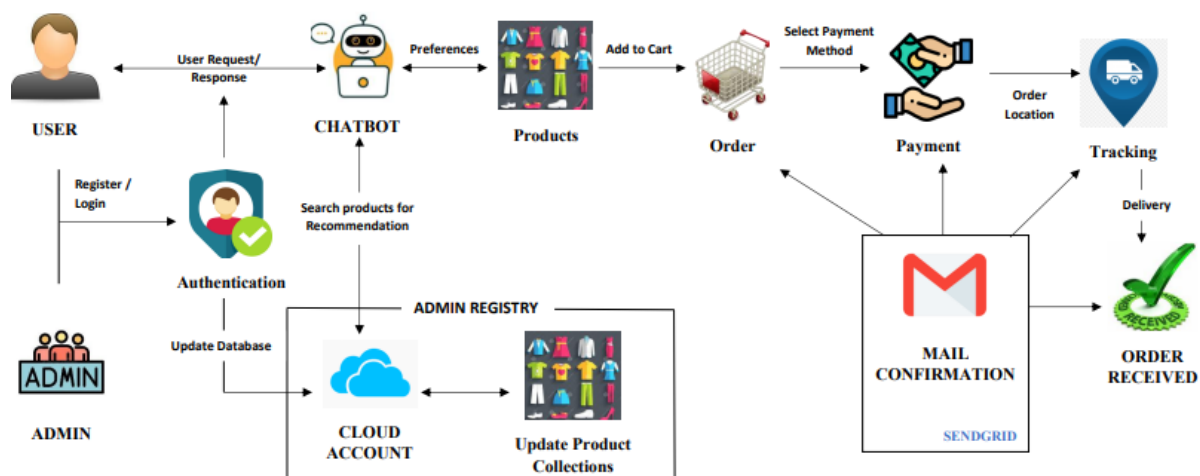
1. **Performance:** Application should be designed and developed in such a way that it should not utilize too many resources.
2. **Usability:** Usability defines how well the application meets the requirements of the user and consumer by being intuitive, easy to localize and globalize, providing good access for disabled users, and resulting in a good overall user experience.
3. **Secure:** Login system should be safe and secure.

5.PROJECT DESIGN

5.1 Data Flow Diagram& User Stories:

Data Flow Diagram:

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 requirements graphically. It shows how data enters and leaves the system, what changes the information and where data is stored.

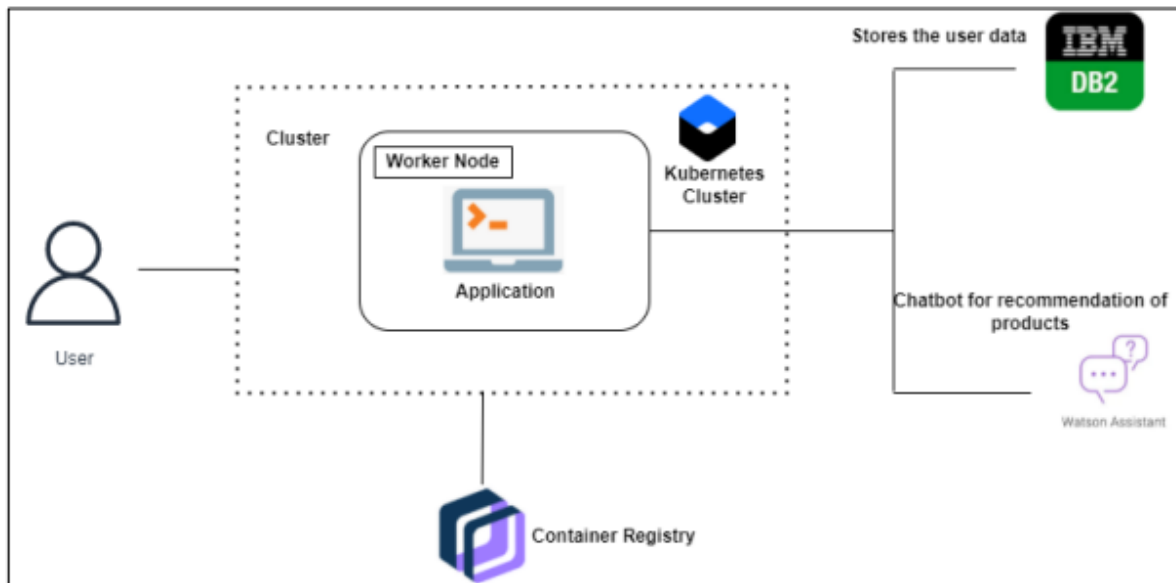


USER STORIES:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|----------------------------|-------------------------------|-------------------|---|--|----------|----------|
| Customer (Mobile/Web 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 Gmail | I can see the Dashboard | Medium | Sprint-1 |
| | Login | USN-4 | As a user, I can log into the application by entering email & password | I can see the Dashboard | High | Sprint-1 |
| | Dashboard | USN-5 | As a user, I can see the available products in the dashboard. | I can order the products | Medium | Sprint-2 |
| | | USN-6 | As a user, I can access the Chatbot | I can interact with the Chatbot | High | Sprint-2 |
| | Chatbot | USN-7 | As a user, I provide my preferences to the Chatbot | I can order the products that I need | High | Sprint-3 |
| | Notifications | USN-8 | As a user, I can receive notifications about the status of the order. | I can access the status through email or app | High | Sprint-4 |
| Administrator | Login | USN-1 | As an admin, I can log into the administrator login portal. | I can access the admin cloud. | High | Sprint-1 |
| | Cloud | USN-2 | As an admin, I can update the products in the Cloud database. | I can manage the Cloud services | High | Sprint-2 |
| | Order Status | USN-3 | As an admin, I can confirm the order placement | I can manage the order confirmation | High | Sprint-3 |
| | | USN-4 | As an admin, I can update the status of the order | I can manage the order status | High | Sprint-3 |
| | Mail | USN-5 | As an admin, I can update the status through email to the users | I can send mail to users | High | Sprint-4 |

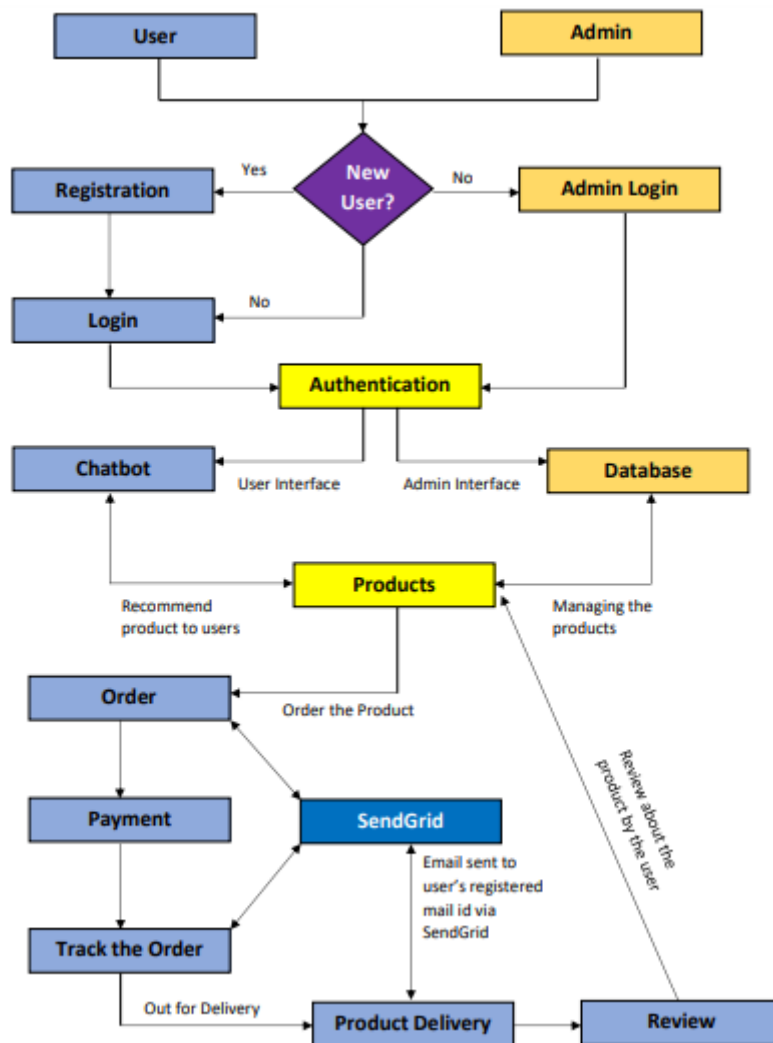
5.2 Solutions & Technical Architecture:

Solution Architecture:



Technical Architecture:

The Deliverable shall include the architectural diagram as below



6.PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation:

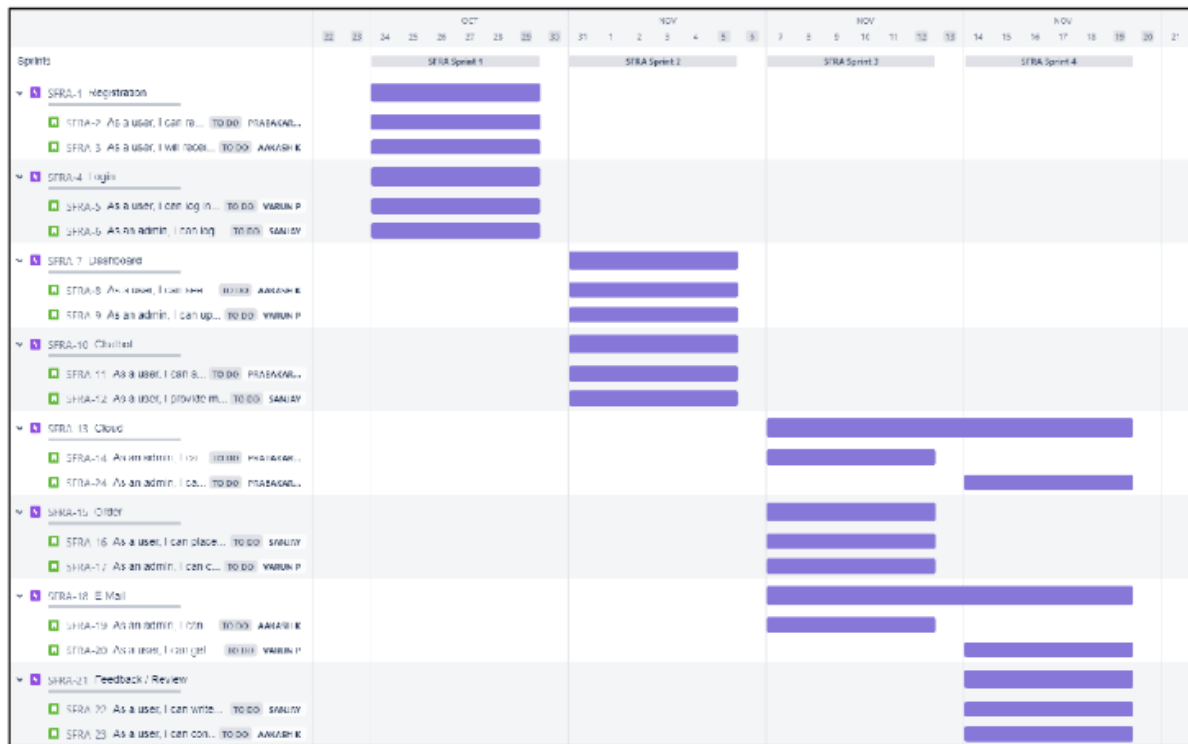
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------|
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 5 | High | Prabakaran G |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 5 | High | Aakash K |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 5 | High | Varun P |
| Sprint-1 | | USN-4 | As an admin, I can log into the admin portal | 5 | High | Sanjay D |
| Sprint-2 | Dashboard | USN-5 | As a user, I can see the available products in the dashboard | 4 | Medium | Aakash K |
| Sprint-2 | | USN-6 | As an admin, I can update the product details and manage reviews of the product | 5 | High | Varun P |
| Sprint-2 | Chatbot | USN-7 | As a user, I can access the Chatbot | 7 | High | Prabakaran G |
| Sprint-2 | | USN-8 | As a user, I provide my preferences to the Chatbot | 4 | High | Sanjay D |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------|
| Sprint-3 | Cloud | USN-9 | As an admin, I can update the products in the Cloud database. | 6 | High | Prabakaran G |
| Sprint-3 | Order | USN-10 | As a user, I can place the order and make payment. | 5 | High | Sanjay D |
| Sprint-3 | | USN-11 | As an admin, I can confirm and update the status of the order | 5 | High | Varun P |
| Sprint-3 | E-Mail | USN-12 | As an admin, I can update the status through email to the users | 4 | Medium | Aakash K |
| Sprint-4 | E-Mail | USN-13 | As a user, I can get confirmation mail after receiving the product | 5 | High | Varun P |
| Sprint-4 | Feedback / Review | USN-14 | As a user, I can write feedback about the product | 4 | Medium | Sanjay D |
| Sprint-4 | | USN-15 | As a user, I can contact with the Chatbot if the product received is not satisfied and can also request to return product | 5 | Medium | Aakash K |
| Sprint-4 | Cloud | USN-16 | As an admin, I can manage the user requests and feedbacks about the product and can update in the database | 6 | High | Prabakaran G |

6.2 Sprint Delivery Schedule:

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

6.3 Reports from Jira Software:



7. CODING & SOLUTIONING

7.1. Login:

```
#Login process
@app.route('/login')
def login():
    return render_template('login.html')

@app.route('/checkrec',methods = ['POST', 'GET'])
def checkrec():
    msg = ' '
    if request.method == 'POST':
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE Email =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_both(stmt)
        accounts=account
        if (account):
            if(password == accounts['PASSWORD']):
                msg = 'Logged in successfully !'
                return render_template('index.html',msg=msg)
            else :
                msg='Wrong Credentials'
        return render_template('login.html',msg=msg)
```

7.2 Registration:

```
#Registration process
@app.route('/register')
def register():
    return render_template('register.html')

@app.route('/addrec',methods = ['POST', 'GET'])
def addrec():
    msg = ' '
    if request.method == 'POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
```

```

sql = "SELECT * FROM users WHERE email =?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,email)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
if account:
    msg = 'Account already exists !'
elif not username or not password or not email:
    msg = 'Please fill the Missing Details !'

else:
    insert_sql = "INSERT INTO users VALUES (?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, username)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, password)
    ibm_db.execute(prepare_stmt)
    msg = 'Account created successfully '

    from_email = Email("praba3043@gmail.com") # sendgrid registered mail id
    to_email = To(email)
    subject = "Thank You For Registration"
    content = Content("text/plain", "Welcome to our S-Mart App")
    mail = Mail(from_email, to_email, subject, content)
    response = sg.client.mail.send.post(request_body=mail.get())
    print(response.status_code)
    print(response.body)
    print(response.headers)

    return render_template('login.html',msg=msg)
return render_template('register.html',msg=msg)

```

7.3 Admin Login:

```

#Admin Login process
@app.route('/adminlogin')
def adminlogin():
    return render_template('adminlogin.html')

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

```

```

adminpassword = request.form['adminpassword']
sql = "SELECT * FROM admin WHERE adminemail =?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,adminemail)
ibm_db.execute(stmt)
account = ibm_db.fetch_both(stmt)
accounts=account
if (account):
    if(adminpassword == accounts['ADMINPASSWORD']):
        msg = 'Logged in successfully !'
        return redirect('/adminhome')
    else :
        msg='Wrong Credentials'
return render_template('adminlogin.html',msg=msg)

```

7.4. Adding and Removing Products by Admin:

```

#Adding products by Admin
@app.route('/addproduct',methods=['POST','GET'])
def addproduct():
    if request.method == 'POST':
        image = request.form['image']
        productname = request.form['productname']
        cost = request.form['cost']
        category = request.form['category']
        insert_sql = "INSERT INTO pro VALUES (?, ?, ?, ?)"
        stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(stmt, 1, image)
        ibm_db.bind_param(stmt, 2, productname)
        ibm_db.bind_param(stmt, 3, cost)
        ibm_db.bind_param(stmt, 4, category)
        ibm_db.execute(stmt)
        return redirect('/adminhome')

#Deleting products by Admin
@app.route('/delete/<productname>')
def delete(productname):
    sql = f"SELECT * FROM pro WHERE productname='{escape(productname)}'"
    stmt = ibm_db.exec_immediate(conn, sql)
    product = ibm_db.fetch_row(stmt)
    if product:
        sql = f"DELETE FROM pro WHERE productname='{escape(productname)}'"
        print(sql)
        stmt = ibm_db.exec_immediate(conn, sql)
        products = []

```

```

sql = "SELECT * FROM pro"
stmt = ibm_db.exec_immediate(conn, sql)
dictionary = ibm_db.fetch_both(stmt)
while dictionary != False:
    products.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
if products:
    return redirect("/adminhome")

```

7.5 User Product Page:

```

#User Products Page
@app.route('/shop')
def shop():
    products = []
    sql = "SELECT * FROM pro "
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
        products.append(dictionary)
        dictionary = ibm_db.fetch_both(stmt)
    if products:
        return render_template('product.html',products=products)

#User products page based on user preference
@app.route('/filter',methods = ['POST', 'GET'])
def filter():
    if request.method == 'POST':
        search = request.form['search']
        if search=="Shirt" or search=="shirt":
            products = []
            sql = "SELECT * FROM pro where category='Shirt'"
            stmt = ibm_db.exec_immediate(conn, sql)
            dictionary = ibm_db.fetch_both(stmt)
            while dictionary != False:
                products.append(dictionary)
                dictionary = ibm_db.fetch_both(stmt)
            if products:
                return render_template('product.html',products=products)
        elif search=="Hoodie" or search=="hoodie":
            products = []
            sql = "SELECT * FROM pro where category='Hoodie'"
            stmt = ibm_db.exec_immediate(conn, sql)
            dictionary = ibm_db.fetch_both(stmt)

```

```
while dictionary != False:
    products.append(dictionary)
    dictionary = ibm_db.fetch_both(stmt)
if products:
    return render_template('product.html',products=products)
elif search=="Saree" or search=="saree":
    products = []
    sql = "SELECT * FROM pro where category='Saree'"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
        products.append(dictionary)
        dictionary = ibm_db.fetch_both(stmt)
    if products:
        return render_template('product.html',products=products)
elif search=="Chudi" or search=="chudi":
    products = []
    sql = "SELECT * FROM pro where category='Chudi'"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
        products.append(dictionary)
        dictionary = ibm_db.fetch_both(stmt)
    if products:
        return render_template('product.html',products=products)
return redirect('/shop')
```

8.TESTING

8.1 Test Cases:

A test case has components that describe input, action and an expected response, in order to determine if a feature of an application is working correctly. A test case is a set of instructions on “HOW” to validate a particular test objective/target, which when followed will tell us if the expected behavior of the system is satisfied or not.

Characteristics of a good test case:

- Accurate: Exacts the purpose.
- Economical: No unnecessary steps or words.
- Traceable: Capable of being traced to requirements.
- Repeatable: Can be used to perform the test over and over.
- Reusable: Can be reused if necessary.

USER ACCEPTANCE TEST:

Purpose of Document :

The purpose of this document is to briefly explain the test coverage and open issues of the Smart Fashion 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 | 8 | 4 | 2 | 3 | 17 |
| Duplicate | 1 | 0 | 2 | 1 | 4 |
| External | 2 | 3 | 0 | 1 | 6 |
| Fixed | 10 | 2 | 5 | 18 | 35 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 1 | 1 | 2 |
| Won't Fix | 0 | 3 | 2 | 1 | 6 |
| Totals | 21 | 12 | 13 | 25 | 71 |

Test Case Analysis:

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

| Section | Total Cases | Not Tested | Fail | Pass |
|---------------------|-------------|------------|------|------|
| Print Engine | 8 | 0 | 0 | 8 |
| Client Application | 50 | 0 | 0 | 50 |
| Security | 2 | 0 | 0 | 2 |
| Outsource Shipping | 3 | 0 | 0 | 3 |
| Exception Reporting | 10 | 0 | 0 | 10 |
| Final Report Output | 6 | 0 | 0 | 6 |
| Version Control | 3 | 0 | 0 | 3 |

9. RESULT

9.1 PERFORMANCE TESTING:

| NFT - Risk Assessment | | | | | | | | | |
|-----------------------|---------------------------------------|---------------|--------------------|------------------|------------------|------------------------------------|---------------------|------------|--|
| S.No | Project Name | Scope/feature | Functional Changes | Hardware Changes | Software Changes | Impact of Downtime | Load/Volume Changes | Risk Score | Justification |
| 1 | Smart Fashion Recommender Application | New | Low | No Changes | Moderate | Unable to Signup/register new user | > 5 to 10% | ORANGE | Customer may be provided incorrect details |
| 2 | Smart Fashion Recommender Application | Existing | No Changes | No Changes | Low | Couldn't change existing details | < 5% | GREEN | Given wrong details about the customer |
| 3 | Smart Fashion Recommender Application | New | Moderate | No Changes | Moderate | Unable to modify user | < 10% | ORANGE | Duplication of user <u>arised</u> |
| 4 | Smart Fashion Recommender Application | New | Low | No Changes | No Changes | Unable to update products stock | < 5% | GREEN | Wrong product details given |

| NFT - Detailed Test Plan | | | | |
|--------------------------|---------------------------------------|-------------------------------|--------------------------------|---------------------------------|
| S.No | Project Overview | NFT Test approach | Assumptions/Dependencies/Risks | Approvals/SignOff |
| 1 | Smart Fashion Recommender Application | Incorrect username | Not registered | Login Unsuccessful |
| 2 | Smart Fashion Recommender Application | Repeating same details | User <u>updatation</u> | Login successful |
| 3 | Smart Fashion Recommender Application | Incorrect user details | Login validation | Login Unsuccessful |
| 4 | Smart Fashion Recommender Application | No product <u>updatations</u> | Database <u>updatation</u> | Product details should be given |

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| End Of Test Report | | | | | | | | |
|--------------------|---------------------|----------------------------|--------------|------------------------------|----------------------|-----------------------------|--|-------------------|
| S.N o | Project Overview | NFT Test approach | NFR - Met | Test Outcome | GO/NO-GO decision | Recommendatio ns | Identified Defects (Detected/Closed/Op en) | Approvals/SignOff |
| 1 | User | New User | Yes | Registration successful | GO | Validation login details | Closed | Success |
| 2 | Products | Checking <u>Updatation</u> | Yes | <u>Updatation</u> incomplete | GO | None | Closed | Success |
| 3 | Admin Page | Manage products | Yes | Product update incomplete | NO-GO | Update product details | Open | Success |

10. ADVANTAGES & DISADVANTAGES

Advantages:

- Effective Recommendations are provided
- Best Offers and Deals
- Comparisons
- No pressure shoppings
- More varieties
- Notifications via chatbot
- Customer Feedback

Disadvantages:

- It requires an active internet connection

11.CONCLUSION

The smart fashion recommender system uses a chat bot as a primary mechanism to interact with users, collect user interest and recommend products periodically. A chat bot is designed to improve user experience by interacting with users. Users need not navigate between multiple pages to find an appropriate product. The system is designed to minimize the efforts taken by customers to search for the required product.

12. FUTURE SCOPE

The future scope of the chat bot include adding products to the cart, displaying cart items, order history, and payment through the chat bot. It makes the interface more easier for user to look up for the products which will also saves time and money. The Security would be enhanced in order to secure the user details and the user details should be used only for recommendations and not for other violated activities.

13.APPENDIX

BACKEND:

app.py:

```
from flask import *

#import re

import ibm_db

import sendgrid

import os

from sendgrid.helpers.mail import *

#SendGrid Integration

sg = sendgrid.SendGridAPIClient(api_key='*****API KEY*****')

#ibm_db connection

conn = ibm_db.connect("DATABASE=bludb; HOSTNAME=3883e7e4-18f5-4afe-be8c-fa31c41761d2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud; PORT=31498; SECURITY=SSL; SSLServerCertificate=DigiCertGlobalRootCA.crt; UID=ltv80221; PWD=8fS5XCKIWaGcUCUW",",",")

app = Flask(__name__)

@app.route('/')

def hello_world():

    return redirect('/login')

    #return render_template('index.html')
```

```
#Registration process
```

```
@app.route('/register')
```

```
def register():
```

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

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

```
def addrec():
```

```
    msg = ''
```

```
    if request.method == 'POST':
```

```
        username = request.form['username']
```

```
        email = request.form['email']
```

```
        password = request.form['password']
```

```
        sql = "SELECT * FROM users WHERE email =?"
```

```
        stmt = ibm_db.prepare(conn, sql)
```

```
        ibm_db.bind_param(stmt,1,email)
```

```
        ibm_db.execute(stmt)
```

```
        account = ibm_db.fetch_assoc(stmt)
```

```
        if account:
```

```
            msg = 'Account already exists !'
```

```
        elif not username or not password or not email:
```

```
            msg = 'Please fill the Missing Details !'
```

else:

```
insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
```

```
prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
ibm_db.bind_param(prepare_stmt, 1, username)
```

```
ibm_db.bind_param(prepare_stmt, 2, email)
```

```
ibm_db.bind_param(prepare_stmt, 3, password)
```

```
ibm_db.execute(prepare_stmt)
```

```
msg = 'Account created successfully '
```

```
from_email = Email("praba3043@gmail.com") # sendgrid registered mail  
id
```

```
to_email = To(email)
```

```
subject = "Thank You For Registration"
```

```
content = Content("text/plain", "Welcome to our S-Mart App")
```

```
mail = Mail(from_email, to_email, subject, content)
```

```
response = sg.client.mail.send.post(request_body=mail.get())
```

```
print(response.status_code)
```

```
print(response.body)
```

```
print(response.headers)
```

```
return render_template('login.html', msg=msg)
```

```
return render_template('register.html',msg=msg)
```

```
#Login process
```

```
@app.route('/login')
```

```
def login():
```

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

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

```
def checkrec():
```

```
    msg = ''
```

```
    if request.method == 'POST':
```

```
        email = request.form['email']
```

```
        password = request.form['password']
```

```
        sql = "SELECT * FROM users WHERE Email =?"
```

```
        stmt = ibm_db.prepare(conn, sql)
```

```
        ibm_db.bind_param(stmt,1,email)
```

```
        ibm_db.execute(stmt)
```

```
        account = ibm_db.fetch_both(stmt)
```

```
        accounts=account
```

```
        if (account):
```

```
            if(password == accounts['PASSWORD']):
```

```
                msg = 'Logged in successfully !'
```

```
        return render_template('index.html',msg=msg)

    else :

        msg='Wrong Credentials'

    return render_template('login.html',msg=msg)
```

#Admin Login process

```
@app.route('/adminlogin')
```

```
def adminlogin():
```

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

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

```
def checkrecaadmin():
```

```
    msg = ''
```

```
    if request.method == 'POST':
```

```
        adminemail = request.form['adminemail']
```

```
        adminpassword = request.form['adminpassword']
```

```
        sql = "SELECT * FROM admin WHERE adminemail =?"
```

```
        stmt = ibm_db.prepare(conn, sql)
```

```
        ibm_db.bind_param(stmt,1,adminemail)
```

```
        ibm_db.execute(stmt)
```

```
        account = ibm_db.fetch_both(stmt)
```

```
        accounts=account
```



```

if (account):

    if(adminpassword == accounts['ADMINPASSWORD']):

        msg = 'Logged in successfully !'

        return redirect('/adminhome')

    else :

        msg='Wrong Credentials'

return render_template('adminlogin.html',msg=msg)

```

#Admin Dashboard

```
@app.route('/adminhome')
```

```
def adminhome():
```

```
    products = []
```

```
    sql = "SELECT * FROM pro "
```

```
    stmt = ibm_db.exec_immediate(conn, sql)
```

```
    dictionary = ibm_db.fetch_both(stmt)
```

```
    while dictionary != False:
```

```
        products.append(dictionary)
```

```
        dictionary = ibm_db.fetch_both(stmt)
```

```
    if products:
```

```
        return render_template('adminhome.html',products=products)
```

#Adding products by Admin

```

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

def addproduct():

    if request.method == 'POST':

        image = request.form['image']

        productname = request.form['productname']

        cost = request.form['cost']

        category = request.form['category']

        insert_sql = "INSERT INTO pro VALUES (?, ?, ?, ?)"

        stmt = ibm_db.prepare(conn, insert_sql)

        ibm_db.bind_param(stmt, 1, image)

        ibm_db.bind_param(stmt, 2, productname)

        ibm_db.bind_param(stmt, 3, cost)

        ibm_db.bind_param(stmt, 4, category)

        ibm_db.execute(stmt)

        return redirect('/adminhome')

```

#Deleting products by Admin

```

@app.route('/delete/<productname>')

def delete(productname):

    sql = f"SELECT * FROM pro WHERE
productname='{escape(productname)}'"

    stmt = ibm_db.exec_immediate(conn, sql)

```

```

product = ibm_db.fetch_row(stmt)

if product:

    sql = f"DELETE FROM pro WHERE
productname='{escape(productname)}'"

    print(sql)

    stmt = ibm_db.exec_immediate(conn, sql)

    products = []

    sql = "SELECT * FROM pro"

    stmt = ibm_db.exec_immediate(conn, sql)

    dictionary = ibm_db.fetch_both(stmt)

    while dictionary != False:

        products.append(dictionary)

        dictionary = ibm_db.fetch_both(stmt)

    if products:

        return redirect("/adminhome")

```

#Order Confirmation Page

```
@app.route('/ordertracking')
```

```
def ordertracking():
```

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

```
@app.route('/proceed')
```

```
def proceed():
```

```
    from_email = Email("praba3043@gmail.com") #sendgrid registered mail id
```

```
    to_email = To(email)
```

```
    subject = "Your Payment is Successful"
```

```
    content = Content("text/plain", "Thank You For Purchasing our Product. Your  
order is placed and We will soon let you know about your order status. Stay  
Connected!")
```

```
    mail = Mail(from_email, to_email, subject, content)
```

```
    response = sg.client.mail.send.post(request_body=mail.get())
```

```
    print(response.status_code)
```

```
    print(response.body)
```

```
    print(response.headers)
```

```
    return redirect('/ordertracking')
```

```
#Payment page
```

```
@app.route('/payment')
```

```
def payment():
```

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

```
#About Page
```

```
@app.route('/about')
```

```

def about():

    return render_template('about.html')

#Help Page

@app.route('/help')

def help():

    return render_template('help.html')

#User Products Page

@app.route('/shop')

def shop():

    products = []

    sql = "SELECT * FROM pro "

    stmt = ibm_db.exec_immediate(conn, sql)

    dictionary = ibm_db.fetch_both(stmt)

    while dictionary != False:

        products.append(dictionary)

        dictionary = ibm_db.fetch_both(stmt)

    if products:

        return render_template('product.html',products=products)

#User products page based on user preference

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

def filter():

```

```
if request.method == 'POST':

    search = request.form['search']

    if search=="Shirt" or search=="shirt":

        products = []

        sql = "SELECT * FROM pro where category='Shirt'"

        stmt = ibm_db.exec_immediate(conn, sql)

        dictionary = ibm_db.fetch_both(stmt)

        while dictionary != False:

            products.append(dictionary)

            dictionary = ibm_db.fetch_both(stmt)

        if products:

            return render_template('product.html',products=products)

    elif search=="Hoodie" or search=="hoodie":

        products = []

        sql = "SELECT * FROM pro where category='Hoodie'"

        stmt = ibm_db.exec_immediate(conn, sql)

        dictionary = ibm_db.fetch_both(stmt)

        while dictionary != False:

            products.append(dictionary)

            dictionary = ibm_db.fetch_both(stmt)

        if products:

            return render_template('product.html',products=products)
```

```
elif search=="Saree" or search=="saree":

    products = []

    sql = "SELECT * FROM pro where category='Saree'"

    stmt = ibm_db.exec_immediate(conn, sql)

    dictionary = ibm_db.fetch_both(stmt)

    while dictionary != False:

        products.append(dictionary)

        dictionary = ibm_db.fetch_both(stmt)

    if products:

        return render_template('product.html',products=products)

elif search=="Chudi" or search=="chudi":

    products = []

    sql = "SELECT * FROM pro where category='Chudi'"

    stmt = ibm_db.exec_immediate(conn, sql)

    dictionary = ibm_db.fetch_both(stmt)

    while dictionary != False:

        products.append(dictionary)

        dictionary = ibm_db.fetch_both(stmt)

    if products:

        return render_template('product.html',products=products)

return redirect('/shop')
```

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

FRONTEND:

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>  
  
    <!-- Main Theme Styles + Bootstrap-->  
  
    <link rel="stylesheet" media="screen"  
href="https://cartzilla.createx.studio/css/theme.min.css">  
  
</head>  
  
<body style="background-image:  
url('https://t3.ftcdn.net/jpg/01/17/33/22/360_F_117332203_ekwDZkViF6M3itA  
pEFRIH4844XjJ7zEb.jpg');background-size: cover;">  
  
    <div class="container col-xl-10 col-xxl-8 px-4 py-5">  
  
        <div class="row align-items-center g-lg-5 py-5">  
  
            <div class="col-md-10 mx-auto col-lg-5">
```



```
<form class="p-4 p-md-5 border rounded-3 bg-light" action = "/checkrec"
method = "POST">
```

```
<ul class="nav nav-pills nav-justified mb-3" id="ex1" role="tablist">
```

```
<li class="nav-item" role="presentation">
```

```
<a class="nav-link active" id="tab-login" data-mdb-toggle="pill"
href="/login" role="tab"
```

```
aria-controls="pills-login" aria-selected="true">User</a>
```

```
</li>
```

```
<li class="nav-item" role="presentation">
```

```
<a class="nav-link" id="tab-register" data-mdb-toggle="pill"
href="/adminlogin" role="tab"
```

```
aria-controls="pills-register" aria-selected="false">Admin</a>
```

```
</li>
```

```
</ul>
```

```
<h4 style="text-align: center;">LOGIN</h4>
```

```
<h6 style="text-align: center; color: red;">{{ msg }}</h6>
```

```
<!-- <div class="form-floating mb-3">
```

```
<input type="email" class="form-control" id="floatingInput"
placeholder="name@example.com" name="email">
```

```
<label for="floatingInput">Email address</label>
```

```
</div>
```

```
<div class="form-floating mb-3">
```

```
<input type="password" class="form-control" id="floatingPassword"
placeholder="Password" name="password">
```

```
<label for="floatingPassword">Password</label>
```

```
</div>
```

```
<small class="text-muted" href="/register">Forgot Password?</small>
```

```
<button class="w-100 btn btn-lg btn-primary"
type="submit">Login</button>
```

```
<hr class="my-4">
```

```
<small class="text-muted">Don't have an Account? <a
href="/register">Sign Up</a></small>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="si-email">Email address</label>
```

```
<input class="form-control" type="email" name="email"
placeholder="johndoe@example.com" required>
```

```
<div class="invalid-feedback">Please provide a valid email
address.</div>
```

```
</div>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="si-password">Password</label>
```

```
<div class="password-toggle">
```

```
<input class="form-control" type="password" name="password"
required>
```

```
<label class="password-toggle-btn" aria-label="Show/hide  
password">
```

```
<input class="password-toggle-check" type="checkbox"><span  
class="password-toggle-indicator"></span>
```

```
</label>
```

```
</div>
```

```
</div>
```

```
<div class="mb-3 d-flex flex-wrap justify-content-between">
```

```
<div class="form-check mb-2">
```

```
<input class="form-check-input" type="checkbox" id="si-  
remember">
```

```
<label class="form-check-label" for="si-remember">Remember  
me</label>
```

```
</div><a class="fs-sm" href="#">Forgot password?</a>
```

```
</div>
```

```
<button class="btn btn-primary btn-shadow d-block w-100"  
type="submit">Sign in</button>
```

```
<hr class="my-2">
```

```
<small class="text-muted">Don't have an Account? <a  
href="/register">Sign Up</a></small>
```

```
</form>
```

```
</div>
```

```
</div>
```

</div>

</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">

<!-- Main Theme Styles + Bootstrap-->

<link rel="stylesheet" media="screen"

href="https://cartzilla.createx.studio/css/theme.min.css">

<title>REGISTER</title>

</head>

<body style="background-image:

url('https://t3.ftcdn.net/jpg/01/17/33/22/360_F_117332203_ekwDZkViF6M3itApEFRIH4844XjJ7zEb.jpg');background-size: cover;">

<div class="container col-xl-10 col-xxl-8 px-4 py-5">

<div class="row align-items-center g-lg-5 py-5">

<div class="col-md-10 mx-auto col-lg-5">

```
<form class="p-4 p-md-5 border rounded-3 bg-light" action = "/addrec"
method = "POST">
```

```
<h4 style="text-align: center;">REGISTER</h4>
```

```
<h6 style="text-align: center; color: red;">{{ msg }}</h6>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="su-name">Full name</label>
```

```
<input class="form-control" type="text" name="username"
placeholder="John Doe" required>
```

```
<div class="invalid-feedback">Please fill in your name.</div>
```

```
</div>
```

```
<div class="mb-3">
```

```
<label for="su-email">Email address</label>
```

```
<input class="form-control" type="email" name="email"
placeholder="johndoe@example.com" required>
```

```
<div class="invalid-feedback">Please provide a valid email
address.</div>
```

```
</div>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="su-password">Password</label>
```

```
<div class="password-toggle">
```

```
<input class="form-control" type="password" name="password"
required>
```

```
<label class="password-toggle-btn" aria-label="Show/hide password">
```

```
<input class="password-toggle-check" type="checkbox"><span
class="password-toggle-indicator"></span>
```

```
</label>
```

```
</div>
```

```
</div>
```

```
<button class="btn btn-primary btn-shadow d-block w-100"
type="submit">Sign up</button>
```

```
<hr class="my-2">
```

```
<small class="text-muted">Already an user? <a href="/login">Sign
In</a></small>
```

```
</form>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

adminlogin.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">

<!-- Main Theme Styles + Bootstrap-->

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/css/theme.min.css">

<title>ADMIN LOGIN</title>

</head>

<body style="background-image: url('https://thumbs.dreamstime.com/b/e-commerce-online-shopping-business-technology-concept-screen-e-commerce-online-shopping-business-technology-concept-screen-207950081.jpg');background-size: cover;">

<div class="container col-xl-10 col-xxl-8 px-4 py-5">

  <div class="row align-items-center g-lg-5 py-5">

    <div class="col-md-10 mx-auto col-lg-5">

      <form class="p-4 p-md-5 border rounded-3 bg-light" action =
"/checkrecadmin" method = "POST">

        <ul class="nav nav-pills nav-justified mb-3" id="ex1" role="tablist">

          <li class="nav-item" role="presentation">

            <a class="nav-link" id="tab-login" data-mdb-toggle="pill"
href="/login" role="tab"

              aria-controls="pills-login" aria-selected="true">User</a>

          </li>

          <li class="nav-item" role="presentation">

```

```
<a class="nav-link active" id="tab-register" data-mdb-toggle="pill"
href="/adminlogin" role="tab"
```

```
aria-controls="pills-register" aria-selected="false">Admin</a>
```

```
</li>
```

```
</ul>
```

```
<h4 style="text-align: center;">ADMIN LOGIN</h4>
```

```
<h6 style="text-align: center; color: red;">{{ msg }}</h6>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="si-email">Email address</label>
```

```
<input class="form-control" type="email" name="adminemail"
placeholder="johndoe@example.com" required>
```

```
<div class="invalid-feedback">Please provide a valid email
address.</div>
```

```
</div>
```

```
<div class="mb-3">
```

```
<label class="form-label" for="si-password">Password</label>
```

```
<div class="password-toggle">
```

```
<input class="form-control" type="password" name="adminpassword"
required>
```

```
<label class="password-toggle-btn" aria-label="Show/hide password">
```

```
<input class="password-toggle-check" type="checkbox"><span
class="password-toggle-indicator"></span>
```

```
</label>
```



```
        </div>

    </div>

    <button class="w-100 btn btn-lg btn-primary"
type="submit">Login</button>

    <hr class="my-4">

</form>

</div>

</div>

</div>

</body>

</html>
```

home.html:

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8">

    <title>S-Mart | Home Page</title>

    <!-- SEO Meta Tags-->

    <meta name="description" content="Cartzilla - Bootstrap E-commerce
Template">
```

<meta name="keywords" content="bootstrap, shop, e-commerce, market, modern, responsive, business, mobile, bootstrap, html5, css3, js, gallery, slider, touch, creative, clean">

<meta name="author" content="Createx Studio">

<!-- Viewport-->

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

<!-- Favicon and Touch Icons-->

<link rel="apple-touch-icon" sizes="180x180"
href="https://cartzilla.createx.studio/apple-touch-icon.png">

<link rel="icon" type="image/png" sizes="32x32"
href="https://cartzilla.createx.studio/favicon-32x32.png">

<link rel="icon" type="image/png" sizes="16x16"
href="https://cartzilla.createx.studio/favicon-16x16.png">

<link rel="manifest" href="site.webmanifest">

<link rel="mask-icon" color="#fe6a6a"
href="https://cartzilla.createx.studio/safari-pinned-tab.svg">

<meta name="msapplication-TileColor" content="#ffffff">

<meta name="theme-color" content="#ffffff">

<!-- Vendor Styles including: Font Icons, Plugins, etc.-->

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.css"/>

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/tiny-slider/dist/tiny-slider.css"/>

```
<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/drift-zoom/dist/drift-
basic.min.css"/>
```

```
<!-- Main Theme Styles + Bootstrap-->
```

```
<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/css/theme.min.css">
```

```
<!-- Google Tag Manager-->
```

```
<script>
```

```
(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start':
new Date().getTime(),event:'gtm.js'});var
f=d.getElementsByTagName(s)[0],
j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
'https://www.googletagmanager.com/gtm.js?id='+i+dl;f.parentNode.insertBefore(j,f);
})(window,document,'script','dataLayer','GTM-WKV3GT5');
```

```
</script>
```

```
</head>
```

```
<!-- Body-->
```

```
<body class="handheld-toolbar-enabled">
```

```
<!-- Google Tag Manager (noscript)-->
```

```
<noscript>
```

```
<iframe src="//www.googletagmanager.com/ns.html?id=GTM-WKV3GT5"
height="0" width="0" style="display: none; visibility: hidden;"></iframe>
```

```
</noscript>
```

```
<main class="page-wrapper">
```

```
<!-- Navbar 3 Level (Light)-->
```

```
<header class="shadow-sm">
```

```
<!-- Topbar-->
```

```
<div class="topbar topbar-dark bg-dark">
```

```
<div class="container">
```

```
<div class="topbar-text dropdown d-md-none"><a class="topbar-link
dropdown-toggle" href="#" data-bs-toggle="dropdown">Useful links</a>
```

```
<ul class="dropdown-menu">
```

```
<li><a class="dropdown-item" href="tel:00331697720"><i class="ci-
support text-muted me-2"></i>(00) 33 169 7720</a></li>
```

```
<li><a class="dropdown-item" href="/ordertracking"><i class="ci-
location text-muted me-2"></i>Order tracking</a></li>
```

```
</ul>
```

```
</div>
```

```
<div class="topbar-text text-nowrap d-none d-md-inline-block"><i
class="ci-support"></i><span class="text-muted me-1">Support</span><a
class="topbar-link" href="tel:00331697720">(00) 33 169 7720</a></div>
```

```
<div class="tns-carousel tns-controls-static d-none d-md-block">

  <div class="tns-carousel-inner" data-carousel-
options="{ 'mode': 'gallery', 'nav':
false}">

    <div class="topbar-text">Free shipping for order over ₹300</div>

    <div class="topbar-text">We return money within 7 days</div>

    <div class="topbar-text">Friendly 24/7 customer support</div>

  </div>

</div>

<div class="ms-3 text-nowrap"><a class="topbar-link me-4 d-none d-
md-inline-block" href="/ordertracking"><i class="ci-location"></i>Order
tracking</a>

  <div class="topbar-text dropdown disable-autohide"><a class="topbar-
link dropdown-toggle" href="#" data-bs-toggle="dropdown">ENGLISH / ₹</a>

  <ul class="dropdown-menu dropdown-menu-end">

    <li class="dropdown-item">

      <select class="form-select form-select-sm">

        <option value="usd">₹ RUP</option>

        <option value="eur">€ EUR</option>

        <option value="ukp">$ USD</option>
```

</select>

Français

Deutsch

Italiano

</div>

</div>

</div>

</div>

<!-- Remove "navbar-sticky" class to make navigation bar scrollable with the page.-->

<div class="navbar-sticky bg-light">

<div class="navbar navbar-expand-lg navbar-light">

<div class="container">

S-Mart

<div class="input-group d-none d-lg-flex mx-4">

<input class="form-control rounded-end pe-5" type="text"
placeholder="Search for products"><i class="ci-search
position-absolute top-50 end-0 translate-middle-y text-muted fs-base me-
3"></i>

</div>

<div class="navbar-tool-icon-box"><i class="navbar-tool-icon ci-
user"></i></div>

<div class="navbar-tool-text ms-n3"><small>Hello, Sign
in</small>My Account</div>

<div class="navbar-tool dropdown ms-3"><a class="navbar-tool-
icon-box bg-secondary dropdown-toggle" href="/shop"><i class="navbar-tool-
icon ci-cart"></i>

</div>

</div>

</div>

</div>

<div class="navbar navbar-expand-lg navbar-light navbar-stuck-menu
mt-n2 pt-0 pb-2">

<div class="container">

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

<!-- Search-->

<div class="input-group d-lg-none my-3"><i class="ci-search
position-absolute top-50 start-0 translate-middle-y text-muted fs-base ms-
3"></i>

<input class="form-control rounded-start" type="text"
placeholder="Search for products">

</div>

<!-- Primary menu-->

<ul class="navbar-nav">

<a class="nav-link dropdown-toggle" href="/" data-bs-
toggle="dropdown">Home

Shop

About Us


```

        <a class="nav-link dropdown-toggle" href="/help" >Help</a>

    </ul>    </div>

</div>

</div>

</div>

</header>

<!-- Hero slider-->

<section class="tns-carousel tns-controls-lg">

    <div class="tns-carousel-inner" data-carousel-
options="{&quot;mode&quot;:,&quot;gallery&quot;,&quot;responsive&quot;:
{&quot;0&quot;:{&quot;nav&quot;:true,&quot;controls&quot;:
false},&quot;992&quot;:{&quot;nav&quot;:false,&quot;controls&quot;:
true}}}">

        <!-- Item-->

        <div class="px-lg-5" style="background-color: #eba170;">

            <div class="d-lg-flex justify-content-between align-items-center ps-lg-
4">

                <div class="position-relative mx-auto me-lg-n5 py-5 px-4 mb-lg-5
order-lg-1" style="max-width: 42rem; z-index: 10;">

                    <div class="pb-lg-5 mb-lg-5 text-center text-lg-start text-lg-nowrap">

```

<h3 class="h2 text-light fw-light pb-1 from-top">Complete your look with</h3>

<h2 class="text-light display-5 from-top delay-1">New Men's Accessories</h2>

<p class="fs-lg text-light pb-3 from-top delay-2">Shirts & Hoodies & much more...</p>

<div class="d-table scale-up delay-4 mx-auto mx-lg-0">Shop Now<i class="ci-arrow-right ms-2 me-n1"></i></div>

</div>

</div>

</div>

</div>

<!-- Item-->

<div class="px-lg-5" style="background-color: #f5b1b0;">

<div class="d-lg-flex justify-content-between align-items-center ps-lg-4">

<div class="position-relative mx-auto me-lg-n5 py-5 px-4 mb-lg-5 order-lg-1" style="max-width: 42rem; z-index: 10;">

<div class="pb-lg-5 mb-lg-5 text-center text-lg-start text-lg-nowrap">

<h3 class="h2 text-light fw-light pb-1 from-bottom">Hurry up!
Limited time offer.</h3>

<h2 class="text-light display-5 from-bottom delay-1">Women
Sportswear Sale</h2>

<p class="fs-lg text-light pb-3 from-bottom delay-2">Hoodie, Saree,
Chudi & much more...</p>

<div class="d-table scale-up delay-4 mx-auto mx-lg-0">Shop Now<i class="ci-arrow-right ms-2
me-n1"></i></div>

</div>

</div>

</div>

</div>

</div>

</section>

<!-- Popular categories-->

<section class="container position-relative pt-3 pt-lg-0 pb-5 mt-lg-n10"
style="z-index: 10;">

<div class="row">

<div class="col-xl-8 col-lg-9">

<div class="card border-0 shadow-lg">

<div class="card-body px-3 pt-grid-gutter pb-0">

<div class="row g-0 ps-1">

```
<div class="col-sm-4 px-2 mb-grid-gutter"><a class="d-block text-center text-decoration-none me-1" href="/shop">
```

```
<h3 class="fs-base pt-1 mb-0">Men</h3></a></div>
```

```
<div class="col-sm-4 px-2 mb-grid-gutter"><a class="d-block text-center text-decoration-none me-1" href="/shop">
```

```
<h3 class="fs-base pt-1 mb-0">Women</h3></a></div>
```

```
<div class="col-sm-4 px-2 mb-grid-gutter"><a class="d-block text-center text-decoration-none me-1" href="/shop">
```

```
<h3 class="fs-base pt-1 mb-0">Kids</h3></a></div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
</main>
```

```
<!-- Footer-->
```

```
<footer class="footer bg-dark pt-5">
```

```
<div class="pt-5 bg-darker">

  <div class="container">

    <div class="row pb-3">

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

        <div class="d-flex"><i class="ci-rocket text-primary" style="font-size:
2.25rem;"></i>

          <div class="ps-3">

            <h6 class="fs-base text-light mb-1">Fast and free delivery</h6>

            <p class="mb-0 fs-ms text-light opacity-50">Free delivery for all
orders over ₹ 300</p>

          </div>

        </div>

      </div>

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

      <div class="d-flex"><i class="ci-currency-exchange text-primary"
style="font-size: 2.25rem;"></i>

        <div class="ps-3">

          <h6 class="fs-base text-light mb-1">Money back guarantee</h6>

          <p class="mb-0 fs-ms text-light opacity-50">We return money
within 7 days</p>

        </div>

      </div>

    </div>

  </div>
```

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

```
<div class="d-flex"><i class="ci-support text-primary" style="font-size: 2.25rem;"></i>
```

```
<div class="ps-3">
```

```
<h6 class="fs-base text-light mb-1">24/7 customer support</h6>
```

```
<p class="mb-0 fs-ms text-light opacity-50">Friendly 24/7 customer support</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

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

```
<div class="d-flex"><i class="ci-card text-primary" style="font-size: 2.25rem;"></i>
```

```
<div class="ps-3">
```

```
<h6 class="fs-base text-light mb-1">Secure online payment</h6>
```

```
<p class="mb-0 fs-ms text-light opacity-50">We possess SSL / Secure certificate</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<hr class="hr-light mb-5">
```

```
<div class="row pb-2">
```

```
<div class="col-md-6 text-center text-md-start mb-4">
```

```
<div class="text-nowrap mb-4">
```

```
<div class="btn-group dropdown disable-autohide">
```

```
<button class="btn btn-outline-light border-light btn-sm dropdown-  
toggle px-2" type="button" data-bs-toggle="dropdown">English / ₹</button>
```

```
<ul class="dropdown-menu my-1">
```

```
<li class="dropdown-item">
```

```
<select class="form-select form-select-sm">
```

```
<option value="usd">₹ RUP</option>
```

```
<option value="eur">€ EUR</option>
```

```
<option value="ukp">$ USD</option>
```

```
</select>
```

```
</li>
```

```
<li><a class="dropdown-item pb-1" href="#">Français</a></li>
```

```
<li><a class="dropdown-item pb-1" href="#">Deutsch</a></li>
```

```
<li><a class="dropdown-item" href="#">Italiano</a></li>
```


</div>

</div>

<div class="widget widget-links widget-light">

<ul class="widget-list d-flex flex-wrap justify-content-center justify-content-md-start">

<li class="widget-list-item me-4">Outlets

<li class="widget-list-item me-4">Affiliates

<li class="widget-list-item me-4">Support

<li class="widget-list-item me-4">Privacy

<li class="widget-list-item me-4">Terms of use

</div>

</div>

<div class="col-md-6 text-center text-md-end mb-4">

<div class="mb-3"><i class="ci-twitter"></i><i class="ci-facebook"></i><i class="ci-

instagram"></i><i class="ci-pinterest"></i><i class="ci-youtube"></i></div>

</div>

</div>

<div class="pb-4 fs-xs text-light opacity-50 text-center text-md-start">© All rights reserved. Made by S-Mart</div>

</div>

</div>

</footer>

<!-- Toolbar for handheld devices (Default)-->

<div class="handheld-toolbar">

<div class="d-table table-layout-fixed w-100"><i class="ci-heart"></i>Wishlist<i class="ci-menu"></i>Menu<i class="ci-cart"></i><span class="badge bg-primary rounded-pill ms-

```
1">4</span></span><span class="handheld-toolbar-label">$265.00</span></a></div>
```

```
</div>
```

```
<!--Chatbot Implementation-->
```

```
<script>
```

```
    window.watsonAssistantChatOptions = {  
        integrationID: "e2b26d6f-222c-455d-9e44-4cdc4b7060d5", // The ID of  
this integration.  
        region: "jp-tok", // The region your integration is hosted in.  
        serviceInstanceID: "20d9c474-83b0-4cfb-a93f-05fc4b4f799e", // 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>
```

```
<!-- Back To Top Button--><a class="btn-scroll-top" href="#top" data-
scroll><span class="btn-scroll-top-tooltip text-muted fs-sm me-
2">Top</span><i class="btn-scroll-top-icon ci-arrow-up"> </i></a>
```

```
<!-- Vendor scrits: js libraries and plugins-->
```

```
<script
src="https://cartzilla.createx.studio/vendor/bootstrap/dist/js/bootstrap.bundle.mi
n.js"></script>
```

```
<script
src="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.js"></s
cript>
```

```
<script src="https://cartzilla.createx.studio/vendor/tiny-slider/dist/min/tiny-
slider.js"></script>
```

```
<script src="https://cartzilla.createx.studio/vendor/smooth-scroll/dist/smooth-
scroll.polyfills.min.js"></script>
```

```
<script src="https://cartzilla.createx.studio/vendor/drift-
zoom/dist/Drift.min.js"></script>
```

```
<!-- Main theme script-->
```

```
<script src="https://cartzilla.createx.studio/js/theme.min.js"></script>
```

```
</body>
```

```
</html>
```

product.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>S-Mart | Products</title>
```

```
<!-- SEO Meta Tags-->
```

```
<meta name="description" content="Cartzilla - Bootstrap E-commerce  
Template">
```

```
<meta name="keywords"
```

```
    content="bootstrap, shop, e-commerce, market, modern, responsive,  
business, mobile, bootstrap, html5, css3, js, gallery, slider, touch, creative,  
clean">
```

```
<meta name="author" content="Createx Studio">
```

```
<!-- Viewport-->
```

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

```
<!-- Favicon and Touch Icons-->
```

```
<link rel="apple-touch-icon" sizes="180x180"  
href="https://cartzilla.createx.studio/apple-touch-icon.png">
```

```
<link rel="icon" type="image/png" sizes="32x32"  
href="https://cartzilla.createx.studio/favicon-32x32.png">
```

```

<link rel="icon" type="image/png" sizes="16x16"
href="https://cartzilla.createx.studio/favicon-16x16.png">

<link rel="manifest" href="site.webmanifest">

<link rel="mask-icon" color="#fe6a6a"
href="https://cartzilla.createx.studio/safari-pinned-tab.svg">

<meta name="msapplication-TileColor" content="#ffffff">

<meta name="theme-color" content="#ffffff">

<!-- Vendor Styles including: Font Icons, Plugins, etc.-->

<link rel="stylesheet" media="screen"

href="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.css"
/>

<link rel="stylesheet" media="screen"

href="https://cartzilla.createx.studio/vendor/tiny-slider/dist/tiny-slider.css" />

<link rel="stylesheet" media="screen"

href="https://cartzilla.createx.studio/vendor/drift-zoom/dist/drift-
basic.min.css" />

<!-- Main Theme Styles + Bootstrap-->

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/css/theme.min.css">

<!-- Google Tag Manager-->

<script>

(function (w, d, s, l, i) {

```

```
w[l] = w[l] || []; w[l].push({

  'gtm.start':

    new Date().getTime(), event: 'gtm.js'

}); var f = d.getElementsByTagName(s)[0],

  j = d.createElement(s), dl = l != 'dataLayer' ? '&l=' + l : ''; j.async = true;
j.src =

  'https://www.googletagmanager.com/gtm.js?id=' + i + dl;
f.parentNode.insertBefore(j, f);

})(window, document, 'script', 'dataLayer', 'GTM-WKV3GT5');

</script>

</head>

<!-- Body-->


<body class="handheld-toolbar-enabled">

  <noscript>

    <iframe src="//www.googletagmanager.com/ns.html?id=GTM-WKV3GT5"
height="0" width="0" style="display: none; visibility: hidden;"></iframe>

  </noscript>


  <main class="page-wrapper">


  <!-- Navbar 3 Level (Light)-->
```

```

<header class="shadow-sm">

<!-- Topbar-->

<div class="topbar topbar-dark bg-dark">

  <div class="container">

    <div class="topbar-text dropdown d-md-none"><a class="topbar-link
dropdown-toggle" href="#" data-bs-toggle="dropdown">Useful links</a>

      <ul class="dropdown-menu">

        <li><a class="dropdown-item" href="tel:00331697720"><i class="ci-
support text-muted me-2"></i>(00) 33 169 7720</a></li>

        <li><a class="dropdown-item" href="/ordertracking"><i class="ci-
location text-muted me-2"></i>Order tracking</a></li>

      </ul>

    </div>

    <div class="topbar-text text-nowrap d-none d-md-inline-block"><i
class="ci-support"></i><span class="text-muted me-1">Support</span><a
class="topbar-link" href="tel:00331697720">(00) 33 169 7720</a></div>

    <div class="tns-carousel tns-controls-static d-none d-md-block">

      <div class="tns-carousel-inner" data-carousel-
options="{ &quot;mode&quot;: &quot;gallery&quot;, &quot;nav&quot;:
false}">

        <div class="topbar-text">Free shipping for order over ₹300</div>

        <div class="topbar-text">We return money within 7 days</div>

        <div class="topbar-text">Friendly 24/7 customer support</div>

```

</div>

</div>

<div class="ms-3 text-nowrap"><i class="ci-location"></i>Order tracking

<div class="topbar-text dropdown disable-autohide">ENGLISH / ₹

<ul class="dropdown-menu dropdown-menu-end">

<li class="dropdown-item">

<select class="form-select form-select-sm">

<option value="usd">₹ RUP</option>

<option value="eur">€ EUR</option>

<option value="ukp">\$ USD</option>

</select>

Français

Deutsch


```
<li><a class="dropdown-item" href="#">Italiano</a></li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- Remove "navbar-sticky" class to make navigation bar scrollable with
the page.-->
```

```
<div class="navbar-sticky bg-light">
```

```
<div class="navbar navbar-expand-lg navbar-light">
```

```
<div class="container">
```

```
<a class="navbar-brand d-none d-sm-block flex-shrink-0" href="/">
```

```
</a>
```

```
<a class="navbar-brand d-none d-sm-block flex-shrink-0" href="/">
```

```
S-Mart
```

```
</a>
```

```
<div class="input-group d-none d-lg-flex mx-4">
```

```
<input class="form-control rounded-end pe-5" type="text"
placeholder="Search for products"><a href="/shop"><i class="ci-search
```

position-absolute top-50 end-0 translate-middle-y text-muted fs-base me-3"></i>

</div>

<div class="navbar-tool-icon-box"><i class="navbar-tool-icon ci-user"></i></div>

<div class="navbar-tool-text ms-n3"><small>Hello, Sign in</small>My Account</div>

<div class="navbar-tool dropdown ms-3"><i class="navbar-tool-icon ci-cart"></i>

</div>

</div>

</div>

</div>

<div class="navbar navbar-expand-lg navbar-light navbar-stuck-menu mt-n2 pt-0 pb-2">

<div class="container">

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

<!-- Search-->

<div class="input-group d-lg-none my-3"><i class="ci-search position-absolute top-50 start-0 translate-middle-y text-muted fs-base ms-3"></i>

```
<input class="form-control rounded-start" type="text"
placeholder="Search for products">
```

```
</div>
```

```
<!-- Primary menu-->
```

```
<ul class="navbar-nav">
```

```
<a class="nav-link dropdown-toggle" href="/" data-bs-
toggle="dropdown">Home</a>
```

```
<a class="nav-link dropdown-toggle" href="/shop">Shop</a>
```

```
<a class="nav-link dropdown-toggle" href="/about" >About Us</a>
```

```
<a class="nav-link dropdown-toggle" href="/help" >Help</a>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</header>
```

```
<!-- Page Title-->
```

```
<div class="page-title-overlap bg-dark pt-4">
```

```
<div class="container d-lg-flex justify-content-between py-2 py-lg-3">
```

```
<div class="order-lg-1 pe-lg-4 text-center text-lg-start">
```

```
<h1 class="h3 text-light mb-0">Shop Now!</h1>
```

</div>

</div>

</div>

<div class="container pb-5 mb-2 mb-md-4">

<div class="row">

<!-- Content -->

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

<!-- Toolbar-->

<div class="d-flex justify-content-center justify-content-sm-between align-items-center pt-2 pb-4 pb-sm-5">

<div class="d-flex flex-wrap">

<div class="d-flex align-items-center flex-nowrap me-3 me-sm-4 pb-3">

<label class="text-light opacity-75 text-nowrap fs-sm me-2 d-none d-sm-block" for="sorting">Category :</label>

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

<input type="text" placeholder="Search by Category" name="search">

</form>

 Available Categories : Shirt, Hoodie, Saree, Chudi

</div>

</div>

```
<div class="d-flex pb-3"><a class="nav-link-style nav-link-light me-3"
href="#"><i
class="ci-arrow-left"></i></a><span class="fs-md text-light">1 /
5</span><a
class="nav-link-style nav-link-light ms-3" href="#"><i class="ci-
arrow-right"></i></a></div>
```

</div>

<!-- Products grid-->

<div class="row mx-n2">

<!-- Product-->

{ % for row in products % }

<div class="col-md-4 col-sm-6 px-2 mb-4">

<div class="card product-card">

<button class="btn-wishlist btn-sm" type="button" data-bs-
toggle="tooltip" data-bs-placement="left"

title="Add to wishlist"><i class="ci-heart"></i></button>

<div class="card-body py-2">

```
<h3 class="product-title fs-sm">{{
row["PRODUCTNAME"]}}</h3>
```

```
<div class="d-flex justify-content-between">
```

```
<div class="product-price"><span class="text-accent">{{
row["COST"]}}</span></div>
```

```
<div class="star-rating"><i class="star-rating-icon ci-star-filled
active"></i><i
```

```
class="star-rating-icon ci-star-filled active"></i><i
```

```
class="star-rating-icon ci-star-filled active"></i><i
```

```
class="star-rating-icon ci-star-filled active"></i><i
```

```
class="star-rating-icon ci-star-half active"></i>
```

```
</div>
```

```
</div>
```

```
<br>
```

```
<h6 class="product-title fs-sm">Category : {{
row["CATEGORY"]}}</h6>
```

```
</div>
```

```
<div class="card-body card-body-hidden">
```

```
<div class="text-center pb-2">
```

```
<div class="form-check form-option form-check-inline mb-2">
```

```
<input class="form-check-input" type="radio" name="size5"
id="s4" checked>
```

```
<label class="form-option-label" for="s4">S</label>

</div>

<div class="form-check form-option form-check-inline mb-2">

  <input class="form-check-input" type="radio" name="size5"
id="m4">

    <label class="form-option-label" for="m4">M</label>

  </div>

<div class="form-check form-option form-check-inline mb-2">

  <input class="form-check-input" type="radio" name="size5"
id="l4">

    <label class="form-option-label" for="l4">L</label>

  </div>

</div>

<a href="/payment">

  <button class="btn btn-primary btn-sm d-block w-100 mb-2"
type="button" ><i

    class="ci-cart fs-sm me-1"></i>Payment</button></a>

</div>

</div>

<hr class="d-sm-none">

</div>
```

```

    { % endfor % }

</div>

<hr class="my-3">

<!-- Pagination-->

<nav class="d-flex justify-content-between pt-2" aria-label="Page
navigation">

    <ul class="pagination">

        <li class="page-item"><a class="page-link" href="#"><i class="ci-
arrow-left me-2"></i>Prev</a></li>

    </ul>

    <ul class="pagination">

        <li class="page-item d-sm-none"><span class="page-link page-link-
static">1 / 5</span></li>

        <li class="page-item active d-none d-sm-block" aria-
current="page"><span class="page-link">1<span
class="visually-hidden">(current)</span></span></li>

        <li class="page-item d-none d-sm-block"><a class="page-link"
href="#">2</a></li>

        <li class="page-item d-none d-sm-block"><a class="page-link"
href="#">3</a></li>

        <li class="page-item d-none d-sm-block"><a class="page-link"
href="#">4</a></li>

        <li class="page-item d-none d-sm-block"><a class="page-link"
href="#">5</a></li>

```


<ul class="pagination">

<li class="page-item">Next<i

class="ci-arrow-right ms-2"></i>

</nav>

</section>

</div>

</div>

</main>

<!-- Footer-->

<footer class="footer bg-dark pt-5">

<div class="pt-5 bg-darker">

<div class="container">

<div class="row pb-3">

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

<div class="d-flex"><i class="ci-rocket text-primary" style="font-size: 2.25rem;"></i>

<div class="ps-3">

<h6 class="fs-base text-light mb-1">Fast and free delivery</h6>

<p class="mb-0 fs-ms text-light opacity-50">Free delivery for all orders over ₹ 300</p>

</div>

</div>

</div>

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

<div class="d-flex"><i class="ci-currency-exchange text-primary" style="font-size: 2.25rem;"></i>

<div class="ps-3">

<h6 class="fs-base text-light mb-1">Money back guarantee</h6>

<p class="mb-0 fs-ms text-light opacity-50">We return money within 7 days</p>

</div>

</div>

</div>

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

<div class="d-flex"><i class="ci-support text-primary" style="font-size: 2.25rem;"></i>

<div class="ps-3">

<h6 class="fs-base text-light mb-1">24/7 customer support</h6>

<p class="mb-0 fs-ms text-light opacity-50">Friendly 24/7 customer support</p>

</div>

</div>

</div>

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

<div class="d-flex"><i class="ci-card text-primary" style="font-size: 2.25rem;"></i>

<div class="ps-3">

<h6 class="fs-base text-light mb-1">Secure online payment</h6>

<p class="mb-0 fs-ms text-light opacity-50">We possess SSL /
Secure certificate</p>

</div>

</div>

</div>

</div>

<hr class="hr-light mb-5">

<div class="row pb-2">

<div class="col-md-6 text-center text-md-start mb-4">

<div class="text-nowrap mb-4">

<div class="btn-group dropdown disable-autohide">

<button class="btn btn-outline-light border-light btn-sm dropdown-
toggle px-2" type="button"

data-bs-toggle="dropdown">English / ₹</button>

<ul class="dropdown-menu my-1">

<li class="dropdown-item">

<select class="form-select form-select-sm">

<option value="usd">₹ RUP</option>

<option value="eur">€ EUR</option>

<option value="ukp">\$ USD</option>

</select>

Français

Deutsch

Italiano

</div>

</div>

<div class="widget widget-links widget-light">

<ul class="widget-list d-flex flex-wrap justify-content-center justify-content-md-start">

<li class="widget-list-item me-4">Outlets

<li class="widget-list-item me-4">Affiliates

<li class="widget-list-item me-4">Support

<li class="widget-list-item me-4">Privacy

<li class="widget-list-item me-4">Terms of use

</div>

</div>

<div class="col-md-6 text-center text-md-end mb-4">

<div class="mb-3"><i

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

class="ci-facebook"></i><i

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

class="ci-pinterest"></i><i

class="ci-youtube"></i></div>

</div>

</div>

<div class="pb-4 fs-xs text-light opacity-50 text-center text-md-start">© All rights reserved. Made by S-Mart</div>

</div>

</div>

</footer>

<!-- Toolbar for handheld devices (Default)-->

<div class="handheld-toolbar">

<div class="d-table table-layout-fixed w-100"><span

class="handheld-toolbar-icon"><i class="ci-heart"></i><span

class="handheld-toolbar-label">Wishlist<a class="d-table-cell handheld-toolbar-item"

href="javascript:void(0)" data-bs-toggle="collapse" data-bs-target="#navbarCollapse"

onclick="window.scrollTo(0, 0)"><i class="ci-menu"></i><span

class="handheld-toolbar-label">Menu<span

class="handheld-toolbar-icon"><i class="ci-cart"></i><span

class="badge bg-primary rounded-pill ms-1">4<span

class="handheld-toolbar-label">\$265.00</div>

</div>

<!-- Back To Top Button--><span

class="btn-scroll-top-tooltip text-muted fs-sm me-2">Top<i class="btn-scroll-top-icon ci-arrow-up">

</i>

<!-- Vendor scrits: js libraries and plugins-->

<script
src="https://cartzilla.createx.studio/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>

<script
src="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.js"></script>

<script src="https://cartzilla.createx.studio/vendor/tiny-slider/dist/min/tiny-slider.js"></script>

```
<script src="https://cartzilla.createx.studio/vendor/smooth-scroll/dist/smooth-scroll.polyfills.min.js"></script>
```

```
<script src="https://cartzilla.createx.studio/vendor/drift-zoom/dist/Drift.min.js"></script>
```

```
<!-- Main theme script-->
```

```
<script src="https://cartzilla.createx.studio/js/theme.min.js"></script>
```

```
</body>
```

```
</html>
```

payment.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>S-Mart | Payment</title>
```

```
<!-- SEO Meta Tags-->
```

```
<meta name="description" content="Cartzilla - Bootstrap E-commerce Template">
```

```
<meta name="keywords" content="bootstrap, shop, e-commerce, market, modern, responsive, business, mobile, bootstrap, html5, css3, js, gallery, slider, touch, creative, clean">
```

```
<meta name="author" content="Createx Studio">
```

```
<!-- Viewport-->
```



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

<!-- Favicon and Touch Icons-->

<link rel="apple-touch-icon" sizes="180x180"
href="https://cartzilla.createx.studio/apple-touch-icon.png">

<link rel="icon" type="image/png" sizes="32x32"
href="https://cartzilla.createx.studio/favicon-32x32.png">

<link rel="icon" type="image/png" sizes="16x16"
href="https://cartzilla.createx.studio/favicon-16x16.png">

<link rel="manifest" href="site.webmanifest">

<link rel="mask-icon" color="#fe6a6a"
href="https://cartzilla.createx.studio/safari-pinned-tab.svg">

<meta name="msapplication-TileColor" content="#ffffff">

<meta name="theme-color" content="#ffffff">

<!-- Vendor Styles including: Font Icons, Plugins, etc.-->

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.css"/>

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/tiny-slider/dist/tiny-slider.css"/>

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/vendor/drift-zoom/dist/drift-
basic.min.css"/>

<!-- Main Theme Styles + Bootstrap-->

<link rel="stylesheet" media="screen"
href="https://cartzilla.createx.studio/css/theme.min.css">
```

```

<!-- Google Tag Manager-->

<script>

(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start':
  new Date().getTime(),event:'gtm.js'});var
f=d.getElementsByTagName(s)[0],

j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=

'https://www.googletagmanager.com/gtm.js?id='+i+dl;f.parentNode.insertBefore(j,f);

})(window,document,'script','dataLayer','GTM-WKV3GT5');

</script>

</head>

<!-- Body-->

<body class="handheld-toolbar-enabled">

<header class="shadow-sm">

<!-- Topbar-->

<div class="topbar topbar-dark bg-dark">

<div class="container">

<div class="topbar-text dropdown d-md-none"><a class="topbar-link
dropdown-toggle" href="#" data-bs-toggle="dropdown">Useful links</a>

<ul class="dropdown-menu">

```

<i class="ci-support text-muted me-2"></i>(00) 33 169 7720

<i class="ci-location text-muted me-2"></i>Order tracking

</div>

<div class="topbar-text text-nowrap d-none d-md-inline-block"><i class="ci-support"></i>Support(00) 33 169 7720</div>

<div class="tns-carousel tns-controls-static d-none d-md-block">

<div class="tns-carousel-inner" data-carousel-options="{ "mode": "gallery", "nav": false}">

<div class="topbar-text">Free shipping for order over ₹300</div>

<div class="topbar-text">We return money within 7 days</div>

<div class="topbar-text">Friendly 24/7 customer support</div>

</div>

</div>

<div class="ms-3 text-nowrap"><i class="ci-location"></i>Order tracking

<div class="topbar-text dropdown disable-autohide">ENGLISH / ₹

<ul class="dropdown-menu dropdown-menu-end">

<li class="dropdown-item">

<select class="form-select form-select-sm">

<option value="usd">₹ RUP</option>

<option value="eur">€ EUR</option>

<option value="ukp">\$ USD</option>

</select>

Français

Deutsch

Italiano

</div>

</div>

</div>

</div>

<!-- Remove "navbar-sticky" class to make navigation bar scrollable with the page.-->

<div class="navbar-sticky bg-light">

<div class="navbar navbar-expand-lg navbar-light">

<div class="container">

S-Mart

<div class="input-group d-none d-lg-flex mx-4">

<input class="form-control rounded-end pe-5" type="text"
placeholder="Search for products"><i class="ci-search
position-absolute top-50 end-0 translate-middle-y text-muted fs-base me-
3"></i>

</div>


```
<div class="navbar-tool-icon-box"><i class="navbar-tool-icon ci-user"></i></div>
```

```
<div class="navbar-tool-text ms-n3"><small>Hello, Sign  
in</small>My Account</div></a>
```

```
<div class="navbar-tool dropdown ms-3"><a class="navbar-tool-icon-  
box bg-secondary dropdown-toggle" href="/shop"><i class="navbar-tool-icon  
ci-cart"></i></a><a class="navbar-tool-text" href="/shop"></a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="navbar navbar-expand-lg navbar-light navbar-stuck-menu mt-  
n2 pt-0 pb-2">
```

```
<div class="container">
```

```
<div class="collapse navbar-collapse" id="navbarCollapse">
```

```
<!-- Search-->
```

```
<div class="input-group d-lg-none my-3"><i class="ci-search position-  
absolute top-50 start-0 translate-middle-y text-muted fs-base ms-3"></i>
```

```
<input class="form-control rounded-start" type="text"  
placeholder="Search for products">
```

```
</div>
```

```
<!-- Primary menu-->

<ul class="navbar-nav">

  <a class="nav-link dropdown-toggle" href="/" data-bs-
toggle="dropdown">Home</a>

  <a class="nav-link dropdown-toggle" href="/shop">Shop</a>

  <a class="nav-link dropdown-toggle" href="/about" >About Us</a>

  <a class="nav-link dropdown-toggle" href="/help" >Help</a>

</ul>

</div>

</div>

</div>

</div>

</div>

</header>
```

```
<!-- Page Title-->

<div class="bg-dark py-4">

  <div class="container d-lg-flex justify-content-between py-2 py-lg-3">

    <div class="order-lg-1 pe-lg-4 text-center text-lg-start">

      <h1 class="h3 text-light mb-0">Payment</h1>

    </div>

  </div>

</div>

</div>
```


<div class="container pb-5 mb-2 mb-md-4">

<div class="row">

<section class="col-lg-8">

<!-- Payment methods accordion-->

<h2 class="h6 pb-3 mb-2">Choose payment method</h2>

<div class="accordion mb-2" id="payment-method">

<div class="accordion-item">

<h3 class="accordion-header"><i class="ci-card fs-lg me-2 mt-n1 align-middle"></i>Pay with Credit Card</h3>

<div class="accordion-collapse collapse show" id="card" data-bs-parent="#payment-method">

<div class="accordion-body">

<p class="fs-sm">We accept following credit cards: </p>

<div class="credit-card-wrapper"></div>

<form class="credit-card-form row">

<div class="mb-3 col-sm-6">

<input class="form-control" type="text" name="number" placeholder="Card Number" required>

</div>

<div class="mb-3 col-sm-6">

<input class="form-control" type="text" name="name"
placeholder="Full Name" required>

</div>

<div class="mb-3 col-sm-3">

<input class="form-control" type="text" name="expiry"
placeholder="MM/YY" required>

</div>

<div class="mb-3 col-sm-3">

<input class="form-control" type="text" name="cvc"
placeholder="CVC" required>

</div>

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

<button class="btn btn-outline-primary d-block w-100 mt-0"
type="submit">Submit</button>

</div>

</form>

</div>

</div>

</div>

<div class="accordion-item">

```
<h3 class="accordion-header"><a class="accordion-button collapsed"
href="#paypal" data-bs-toggle="collapse"><i class="ci-paypal me-2 align-
middle"></i>Pay with PayPal</a></h3>
```

```
<div class="accordion-collapse collapse" id="paypal" data-bs-
parent="#payment-method">
```

```
<div class="accordion-body fs-sm">
```

```
<p><span class='fw-medium'>PayPal</span> - the safer, easier
way to pay</p>
```

```
<form class="row needs-validation" method="post" novalidate>
```

```
<div class="col-sm-6">
```

```
<div class="mb-3">
```

```
<input class="form-control" type="email" placeholder="E-
mail" required>
```

```
<div class="invalid-feedback">Please enter valid email
address</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-6">
```

```
<div class="mb-3">
```

```
<input class="form-control" type="password"
placeholder="Password" required>
```

```
<div class="invalid-feedback">Please enter your
password</div>
```

```
</div>
```



```
        <input class="form-check-input" type="checkbox"
id="use_points">

        <label class="form-check-label" for="use_points">Use my
Reward Points to pay for this order.</label>

    </div>

</div>

</div>

</div>

</div>

<!-- Navigation (desktop)-->

<div class="d-none d-lg-flex pt-4">

    <div class="w-50 pe-3"><a class="btn btn-secondary d-block w-100"
href="/shop"><i class="ci-arrow-left mt-sm-0 me-1"></i><span class="d-none
d-sm-inline">Back to Shop</span><span class="d-inline d-sm-
none">Back</span></a></div>

    <div class="w-50 ps-2"><a class="btn btn-primary d-block w-100"
href="/proceed"> Proceed</a></div>

</div>

</section>

<!-- Sidebar-->

</div>

<!-- Navigation (mobile)-->
```

```
<div class="row d-lg-none">
```

```
<div class="col-lg-8">
```

```
<div class="d-flex pt-4 mt-3">
```

```
<div class="w-50 pe-3"><a class="btn btn-secondary d-block w-100"
href="/cart"><i class="ci-arrow-left mt-sm-0 me-1"></i><span class="d-none
d-sm-inline">Back to Shipping</span><span class="d-inline d-sm-
none">Back</span></a></div>
```

```
<div class="w-50 ps-2"><a class="btn btn-primary d-block w-100"
href="/ordertracking"><span class="d-none d-sm-inline">Review your
order</span><span class="d-inline d-sm-none">Review order</span><i
class="ci-arrow-right mt-sm-0 ms-1"></i></a></div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</main>
```

```
<!-- Footer-->
```

```
<!-- Footer-->
```

```
<footer class="footer bg-dark pt-5">
```

```
<div class="pt-5 bg-darker">
```

```
<div class="container">
```

```
<div class="row pb-3">
```

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

```
  <div class="d-flex"><i class="ci-rocket text-primary" style="font-size: 2.25rem;"></i>
```

```
    <div class="ps-3">
```

```
      <h6 class="fs-base text-light mb-1">Fast and free delivery</h6>
```

```
      <p class="mb-0 fs-ms text-light opacity-50">Free delivery for all orders over ₹ 300</p>
```

```
    </div>
```

```
  </div>
```

```
</div>
```

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

```
  <div class="d-flex"><i class="ci-currency-exchange text-primary" style="font-size: 2.25rem;"></i>
```

```
    <div class="ps-3">
```

```
      <h6 class="fs-base text-light mb-1">Money back guarantee</h6>
```

```
      <p class="mb-0 fs-ms text-light opacity-50">We return money within 7 days</p>
```

```
    </div>
```

```
  </div>
```

```
</div>
```

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

```
  <div class="d-flex"><i class="ci-support text-primary" style="font-size: 2.25rem;"></i>
```

```
<div class="ps-3">
```

```
<h6 class="fs-base text-light mb-1">24/7 customer support</h6>
```

```
<p class="mb-0 fs-ms text-light opacity-50">Friendly 24/7 customer  
support</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

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

```
<div class="d-flex"><i class="ci-card text-primary" style="font-size:  
2.25rem;"></i>
```

```
<div class="ps-3">
```

```
<h6 class="fs-base text-light mb-1">Secure online payment</h6>
```

```
<p class="mb-0 fs-ms text-light opacity-50">We possess SSL / Secure  
certificate</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<hr class="hr-light mb-5">
```

```
<div class="row pb-2">
```

```
<div class="col-md-6 text-center text-md-start mb-4">
```

```
<div class="text-nowrap mb-4">
```

```
<div class="btn-group dropdown disable-autohide">
```

```
  <button class="btn btn-outline-light border-light btn-sm dropdown-  
toggle px-2" type="button" data-bs-toggle="dropdown">English / ₹</button>
```

```
  <ul class="dropdown-menu my-1">
```

```
    <li class="dropdown-item">
```

```
      <select class="form-select form-select-sm">
```

```
        <option value="usd">₹ RUP</option>
```

```
        <option value="eur">€ EUR</option>
```

```
        <option value="ukp">$ USD</option>
```

```
      </select>
```

```
    </li>
```

```
    <li><a class="dropdown-item pb-1" href="#">Français</a></li>
```

```
    <li><a class="dropdown-item pb-1" href="#">Deutsch</a></li>
```

```
    <li><a class="dropdown-item" href="#">Italiano</a></li>
```

```
  </ul>
```


</div>

</div>

<div class="widget widget-links widget-light">

<ul class="widget-list d-flex flex-wrap justify-content-center justify-content-md-start">

<li class="widget-list-item me-4">Outlets

<li class="widget-list-item me-4">Affiliates

<li class="widget-list-item me-4">Support

<li class="widget-list-item me-4">Privacy

<li class="widget-list-item me-4">Terms of use

</div>

</div>

<div class="col-md-6 text-center text-md-end mb-4">

<div class="mb-3"><i class="ci-twitter"></i><i class="ci-facebook"></i><i class="ci-instagram"></i><a class="btn-social bs-light bs-pinterest ms-2 mb-2"

href="#"><i class="ci-pinterest"></i><i class="ci-youtube"></i></div>

</div>

</div>

<div class="pb-4 fs-xs text-light opacity-50 text-center text-md-start">© All rights reserved. Made by S-Mart</div>

</div>

</div>

</footer>

<!-- Toolbar for handheld devices (Default)-->

<div class="handheld-toolbar">

<div class="d-table table-layout-fixed w-100"><i class="ci-heart"></i>Wishlist<i class="ci-menu"></i>Menu<i class="ci-cart"></i>4\$265.00</div>

</div>

<!-- Back To Top Button-->Top<i class="btn-scroll-top-icon ci-arrow-up"> </i>

<!-- Vendor scrits: js libraries and plugins-->

<script
src="https://cartzilla.createx.studio/vendor/bootstrap/dist/js/bootstrap.bundle.min.js"></script>

<script
src="https://cartzilla.createx.studio/vendor/simplebar/dist/simplebar.min.js"></script>

<script src="https://cartzilla.createx.studio/vendor/tiny-slider/dist/min/tiny-slider.js"></script>

<script src="https://cartzilla.createx.studio/vendor/smooth-scroll/dist/smooth-scroll.polyfills.min.js"></script>

<script src="https://cartzilla.createx.studio/vendor/drift-zoom/dist/Drift.min.js"></script>

<!-- Main theme script-->

<script src="https://cartzilla.createx.studio/js/theme.min.js"></script>

</body>

</html>

adminhome.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="utf-8" />
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1,  
shrink-to-fit=no">
```

```
  <link rel="mask-icon" color="#fe6a6a"  
href="https://cartzilla.createx.studio/safari-pinned-tab.svg">
```

```
  <title>
```

```
    ADMIN DASHBOARD
```

```
  </title>
```

```
  <link rel="icon" type="image/png" sizes="16x16"  
href="https://cartzilla.createx.studio/favicon-16x16.png">
```

```
  <link  
href="https://fonts.googleapis.com/icon?family=Material+Icons+Round"  
rel="stylesheet">
```

```
  <link id="pagestyle"  
  
    href="https://demos.creative-tim.com/material-  
dashboard/assets/css/material-dashboard.min.css?v=3.0.5"
```

rel="stylesheet" />

</head>

<body class="g-sidenav-show bg-gray-200">

<aside

class="sidenav navbar navbar-vertical navbar-expand-xs border-0 border-radius-xl my-3 fixed-start ms-3 bg-gradient-dark"

id="sidenav-main">

<div class="sidenav-header">

<i class="fas fa-times p-3 cursor-pointer text-white opacity-5 position-absolute end-0 top-0 d-none d-xl-none"

aria-hidden="true" id="iconSidenav"></i>

<a class="navbar-brand m-0" href="/adminhome "

target="_blank">

ADMIN
PANEL

</div>

<hr class="horizontal light mt-0 mb-2">

<div class="collapse navbar-collapse w-auto " id="sidenav-collapse-main">

<ul class="navbar-nav">

```
<li class="nav-item">
```

```
    <a class="nav-link text-white active bg-gradient-primary"
href="/adminhome">
```

```
        <div class="text-white text-center me-2 d-flex align-items-center
justify-content-center">
```

```
            <i class="material-icons opacity-10">dashboard</i>
```

```
        </div>
```

```
        <span class="nav-link-text ms-1">Dashboard</span>
```

```
    </a>
```

```
</li>
```

```
<li class="nav-item">
```

```
    <a class="nav-link text-white " href="/adminhome">
```

```
        <div class="text-white text-center me-2 d-flex align-items-center
justify-content-center">
```

```
            <i class="material-icons opacity-10">table_view</i>
```

```
        </div>
```

```
        <span class="nav-link-text ms-1">Manage Products</span>
```

```
    </a>
```

```
</li>
```

```
</ul>
```

```
</div>
```

```
<div class="sidenav-footer position-absolute w-100 bottom-0 ">

    <div class="mx-3">

        <a class="btn bg-gradient-primary mt-4 w-100" href="/login"
type="button">Back to User Login</a>

    </div>

</div>

</aside>

<!--Main Page-->

<main class="main-content position-relative max-height-vh-100 h-100
border-radius-lg ">


<div class="container-fluid py-4">

    <div class="row">

        <!--Manage Products-->

        <br>

        <nav class="navbar navbar-main navbar-expand-lg px-0 mx-4 shadow-
none border-radius-xl" id="navbarBlur"

            data-scroll="true">

            <div class="container-fluid py-1 px-3">
```

```
<nav aria-label="breadcrumb">

    <ol class="breadcrumb bg-transparent mb-0 pb-0 pt-1 px-0 me-sm-6 me-5">

        <li class="breadcrumb-item text-sm"><a class="opacity-5 text-dark" href="javascript:;>Admin</a>

    </li>

    <li class="breadcrumb-item text-sm text-dark active" aria-current="page">Manage Products</li>

    </ol>

    <h6 class="font-weight-bolder mb-0">Manage Products</h6>

</nav>
```

```
</div>
```

```
</nav>
```

```
<form action="/addproduct" method="POST">
```

Add Products :

```
<input type="text" placeholder="Image URL" name="image">
```

```
<input type="text" placeholder="Product Name" name="productname">
```

```
<input type="text" placeholder="Cost" name="cost">
```

```
<input type="text" placeholder="Category" name="category">
```


<input type="submit">

</form>

<div class="row mb-4">

<div class="col-lg-12 col-md-6 mb-md-0 mb-4">

<div class="card">

<div class="card-header pb-0">

<div class="row">

<div class="col-lg-6 col-7">

<h6>Products</h6>

</div>

<div class="col-lg-6 col-5 my-auto text-end">

<div class="dropdown float-lg-end pe-4">

<a class="cursor-pointer" id="dropdownTable" data-bs-toggle="dropdown"

aria-expanded="false">

<i class="fa fa-ellipsis-v text-secondary"></i>

</div>

</div>

</div>

</div>

<div class="card-body px-0 pb-2">

<div class="table-responsive">

<table class="table align-items-center mb-0">

<thead>

<tr>

<th

class="text-uppercase text-secondary text-xxs font-weight-bolder opacity-7" style="text-align: center;">

Product Image</th>

<th

class="text-uppercase text-secondary text-xxs font-weight-bolder opacity-7 ps-2" style="text-align: center;">

Product Name</th>

<th

class="text-center text-uppercase text-secondary text-xxs font-weight-bolder opacity-7" style="text-align: center;">

Cost</th>

<th

class="text-center text-uppercase text-secondary text-xxs font-weight-bolder opacity-7" style="text-align: center;">

```

        Category</th>

<th
    class="text-center text-uppercase text-secondary
text-xxs font-weight-bolder opacity-7" style="text-align: center;">
        Remove Product</th>

</tr>

</thead>

<tbody>

    { % for row in products % }

    <tr>

        <td class="align-middle text-center text-sm">

            <img src='{ {row["IMAGE"]} }' width="50">

        </td>

        <td class="align-middle text-center text-sm">

            { {row["PRODUCTNAME"]} }

        </td>

        <td class="align-middle text-center text-sm">

            <span class="text-xs font-weight-bold">
{ {row["COST"]} }</span>

        </td>

        <td class="align-middle text-center text-sm">

```

```

                <span class="text-xs font-weight-bold">
{{row["CATEGORY"]}}</span>

            </td>

            <td class="align-middle text-center text-sm">

                <a
href="/delete/{{row['PRODUCTNAME']}}"><span class="text-xs font-weight-
bold"> Remove</span></a>

            </td>

        </tr>

    {% endfor %}

</tbody>

</table>

</div>

</div>

</div>

</div>

</div>

<br>

<!--Order Status-->

<footer class="footer py-4 ">

    <div class="container-fluid">

        <div class="row align-items-center justify-content-lg-between">

```

```

<div class="col-lg-6 mb-lg-0 mb-4">

<div class="copyright text-center text-sm text-muted text-lg-
start">

©2022 made with S-Mart for a better web.

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

</footer>

</div>

</main>

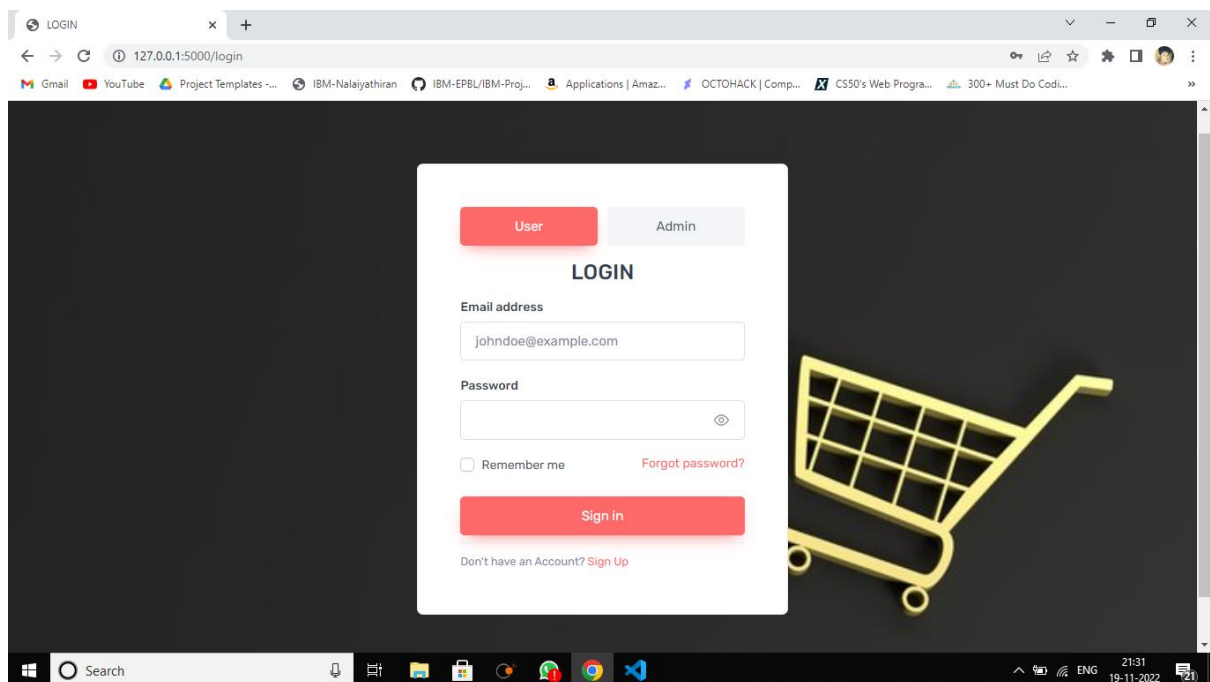
</body>

</html>

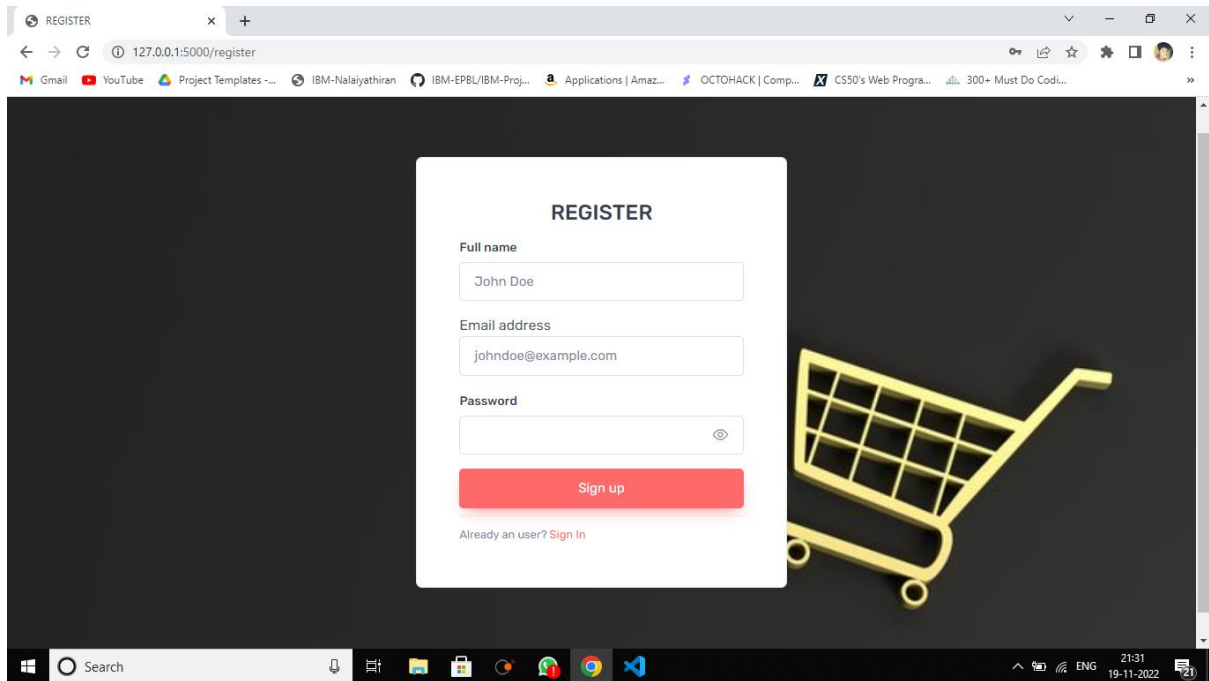
```

SCREENSHOTS

Login Page:



Register Page:



REGISTER

Full name

John Doe

Email address

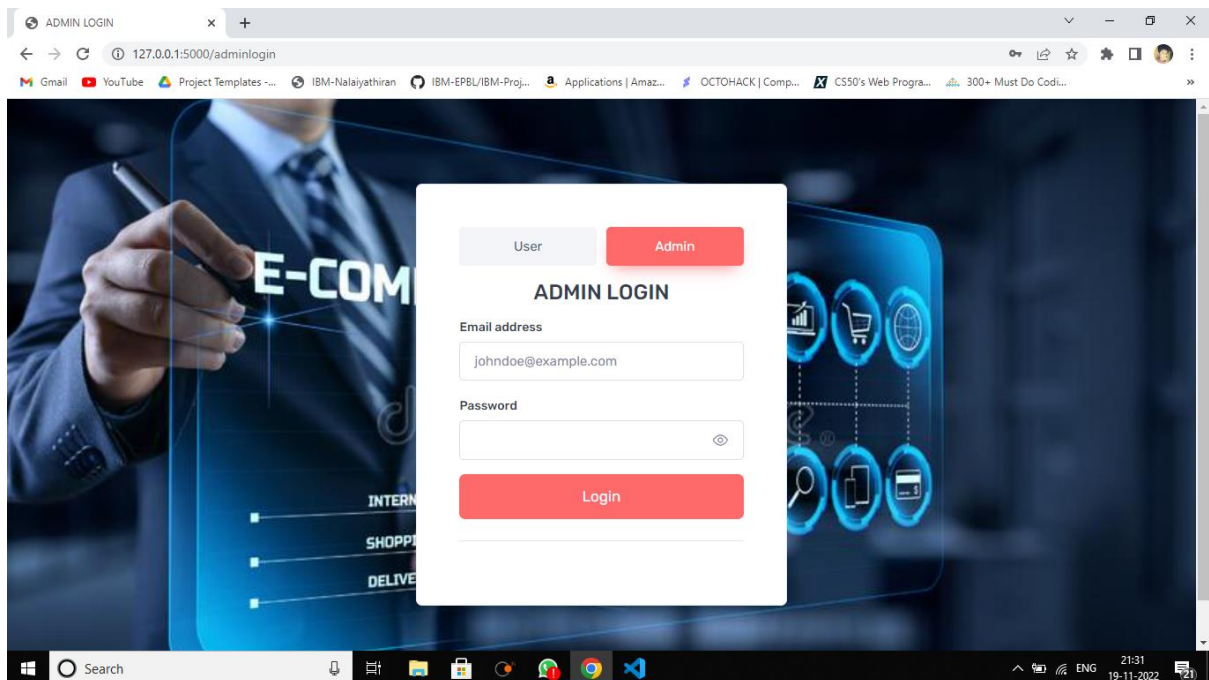
johndoe@example.com

Password

Sign up

Already an user? [Sign in](#)

Admin Login Page:



ADMIN LOGIN

User Admin

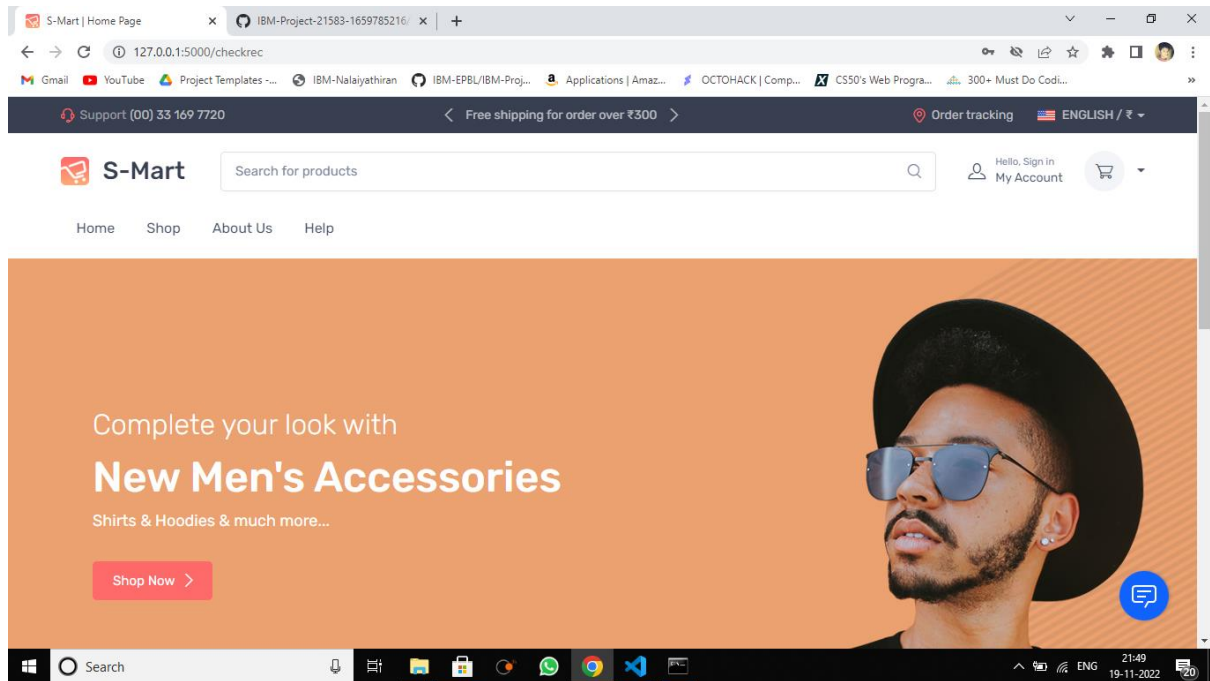
Email address

johndoe@example.com

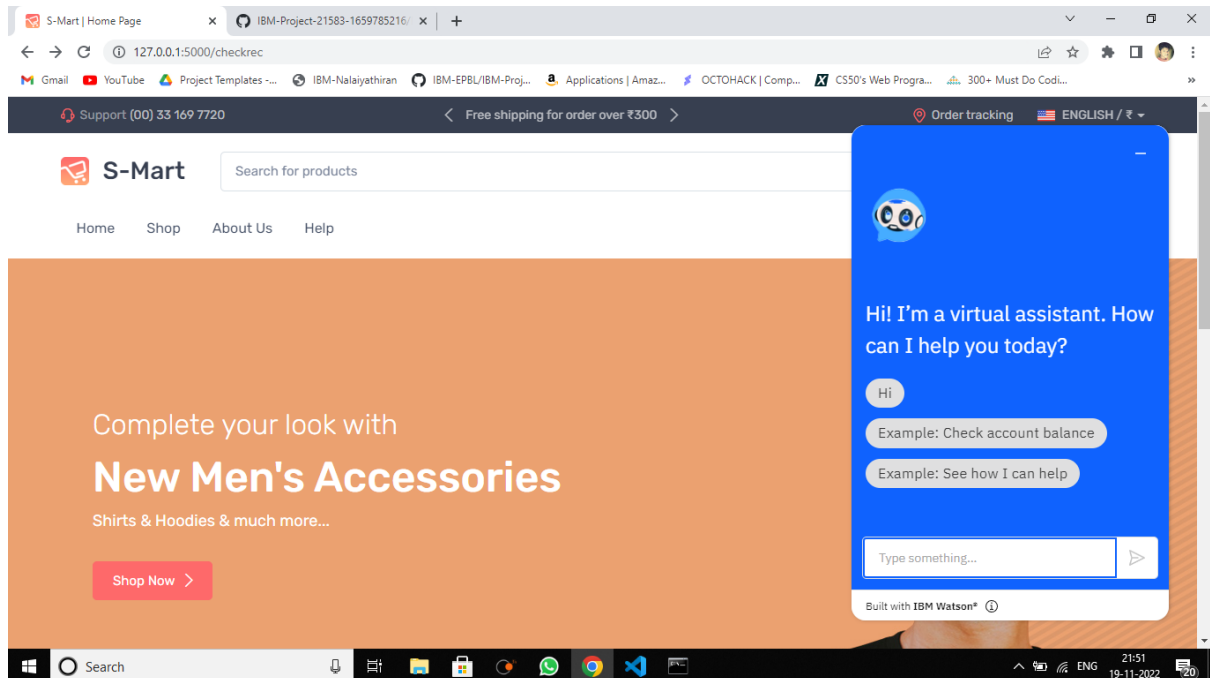
Password

Login

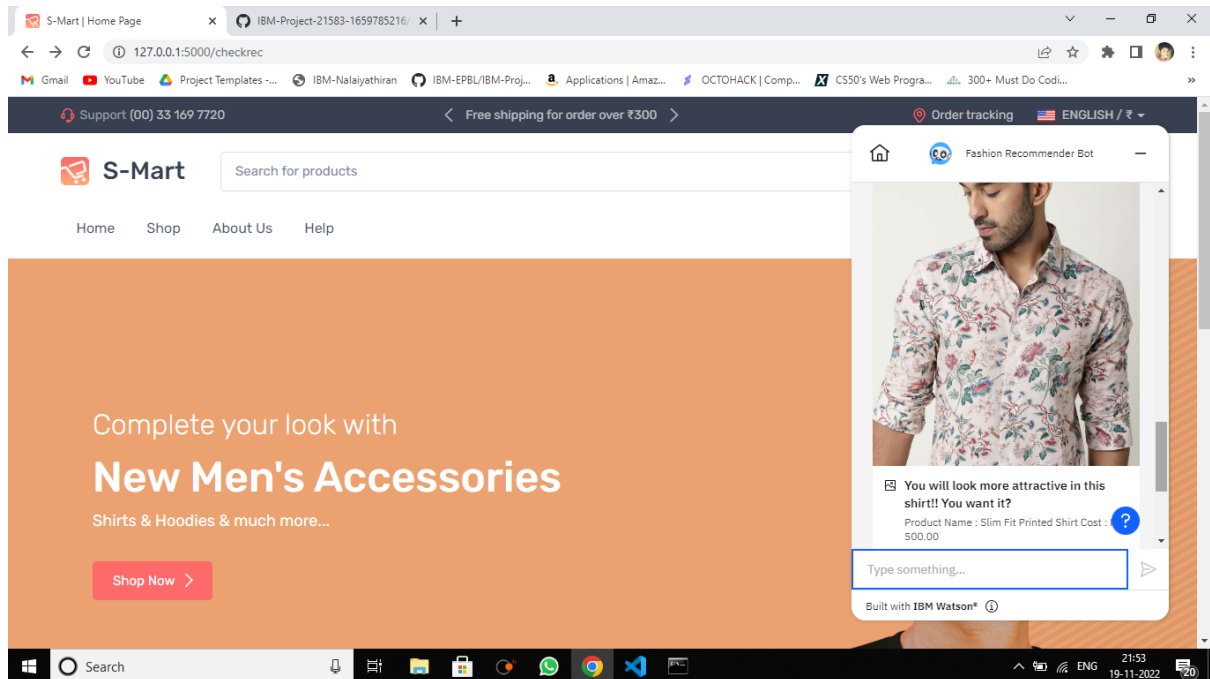
User Home Page:



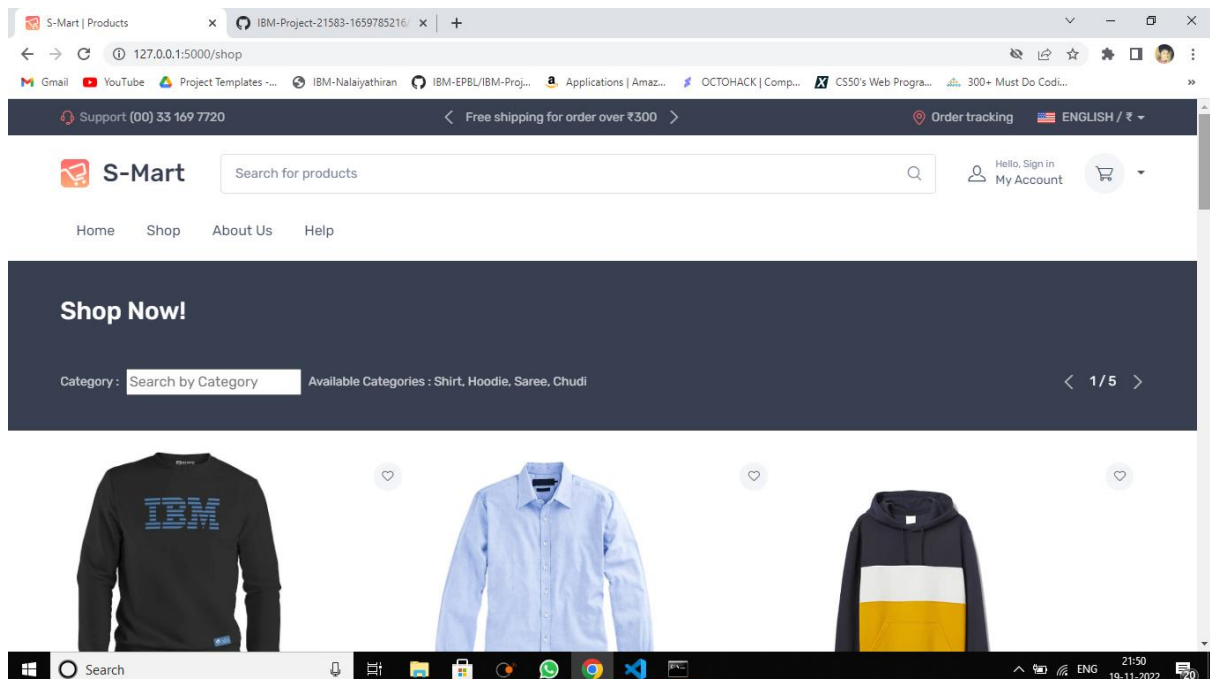
Chatbot:



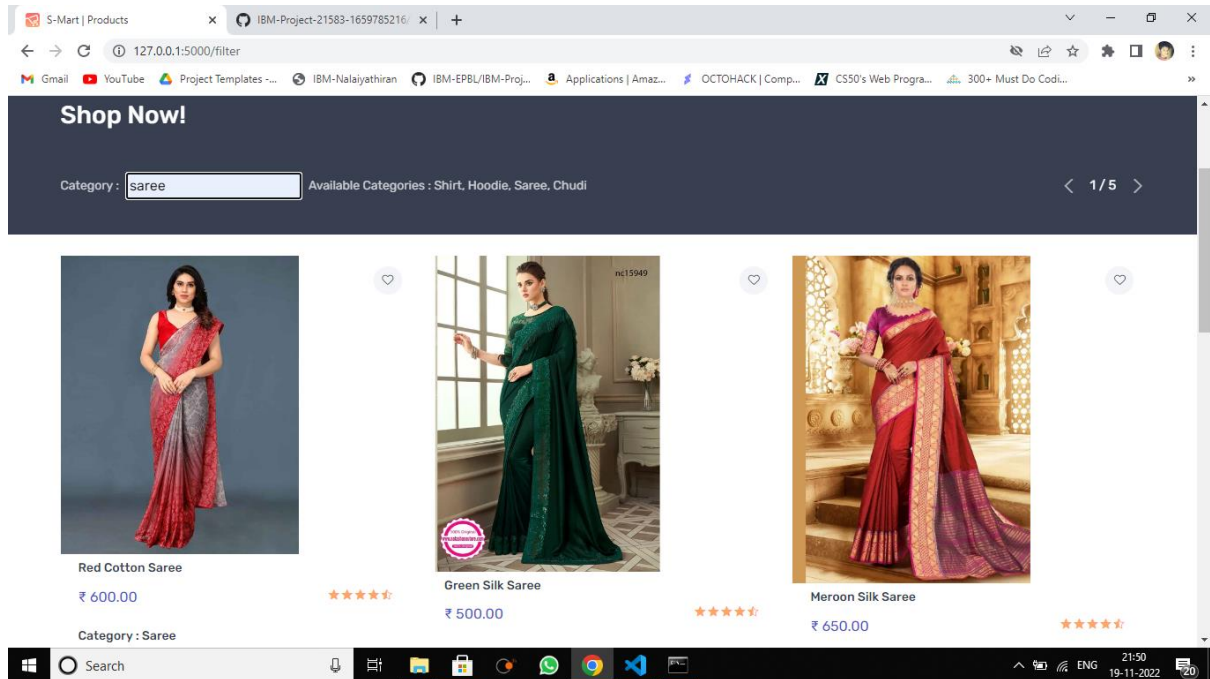
Chatbot suggesting products:



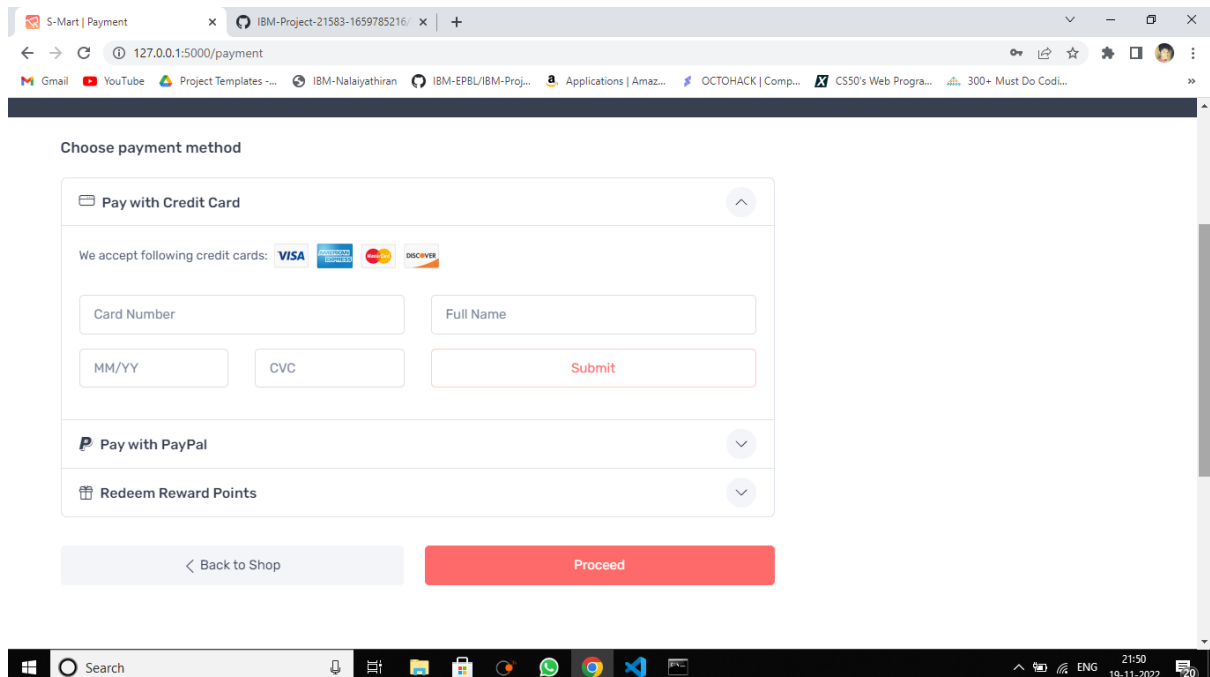
Product page:



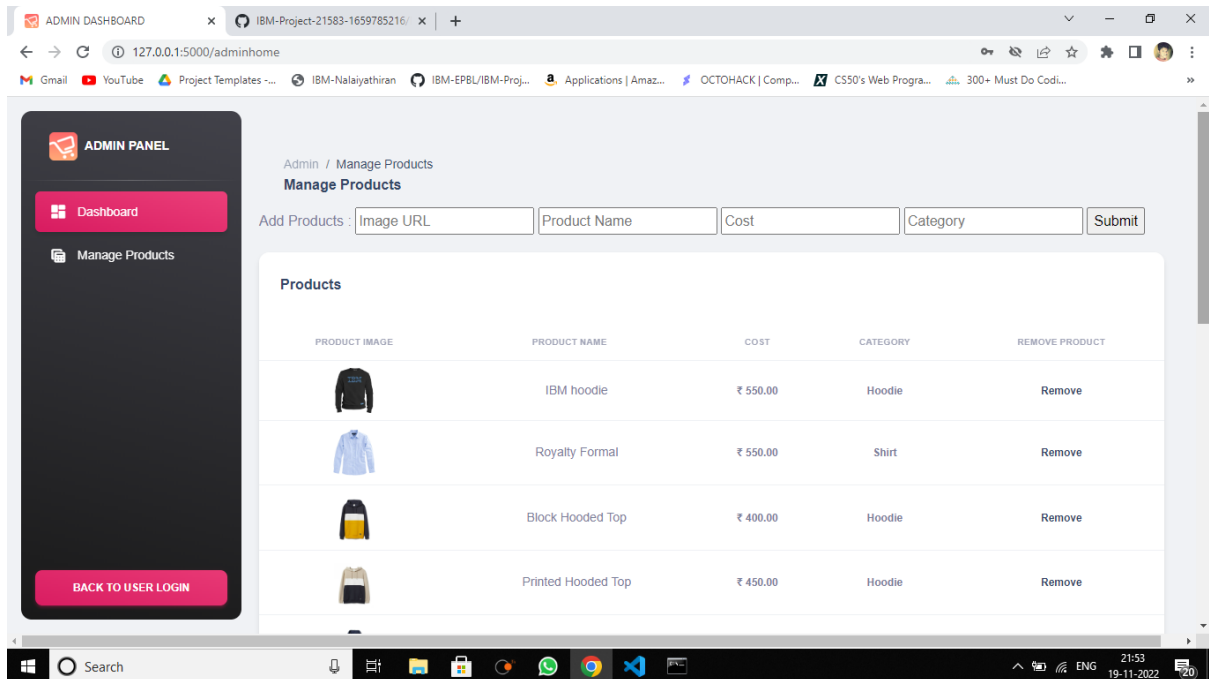
Search by Category:



Payment Page:



Admin dashboard:



GITHUB & PROJECT DEMO LINK

GITHUB LINK : <https://github.com/IBM-EPBL/IBM-Project-21583-1659785216>

DEMO LINK : <https://youtu.be/A-90XpNqoZY>