

SMART FASHION RECOMMENDER APPLICATION

NALAIYA THIRAN PROJECT

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TEAM ID : PNT2022TMID08421

Submitted by

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Abstract

This Smart Fashion Recommender Application is the web based application. We have come up with a new innovative solution through which you can directly do your online shopping based on your choice without any search. It can be done by using the chatbot. User have to give the details based on the product. The chatbot show the available products in the store based the user details. IBM Cloud, HTML, JavaScript, IBM Cloud Object Storage, Python-Flask, Kubernetes, Docker, IBM DB2, IBM Container Registry these technologies are used in this project. The role of the admin is to check out the database about the stock and have a track of all the things that the users are purchasing. The user will login into the website and go through the products available on the website. Instead of navigating to several screens for booking products online, the user can directly talk to Chatbot regarding the products. Get the recommendations based on information provided by the user.

Introduction

1.1 project overview

A recommendation system is an integral part of any modern online shopping or social network platform. The product recommendation system as a typical example of the legacy recommendation systems suffers from two major drawbacks: recommendation redundancy and unpredictability concerning new items (cold start). These limitations take place because the legacy recommendation systems rely only on the user's previous buying behavior to recommend new items. Incorporating the user's social features, such as personality traits and topical interest, might help alleviate the cold start and remove recommendation redundancy. we propose Meta-Interest, a personality-aware product recommendation system based on user interest mining and meta path discovery. Meta-Interest predicts the user's interest and the items associated with these interests, even if the user's history does not contain these items or similar ones. This is done by analyzing the user's topical interests and, eventually, recommending the items associated with the user's interest. The proposed system is personality-aware from two aspects; it incorporates the user's personality traits to predict his/her topics of interest and to match the user's personality facets with the associated items. The proposed system was compared against recent recommendation methods, such as AI based watson-based recommendation using flask framework is implemented here

1.2 purpose

The purpose of the work E- commerce system is implemented for product recommendation system, online based system application is used for purchase the product Product recommendation tools use a set of algorithms to show relevant products to your visitors. They do this by using data like location, gender, and more specific information like purchase intent.

2.liteature survey

McAuley et al. [1] devised a parametric distance transformation that assigns a lower distance to garment pairings that fit well than to those that do not. And provided Image-based recommendations on styles and substitutes

Hu et al. [2] conducted a preliminary investigation into personalised outfit recommendation. To describe the user-item and item-item interactions, a functional tensor factorization method was presented. They proposed A functional tensor factorization approach

Thombre in [3] used image segmentation and Kalman filter to realize Human detection and tracking. Orrite-Urunuela proposed a statistical model for detection and tracking of human silhouette and the corresponding 3D skeletal structure in gait sequences

Veit et al. [4] learned feature transformation for a compatibility measure between pairs of objects using a Siamese CNN architecture. All of these works focused solely on the compatibility of two things. Furthermore, they simply modelled broad matching criteria and ignored the issue of personalisation

Ajmani et al. [5] present a novel method for contentbased recommendation of media-rich commodities with the use of probabilistic multimedia ontology. Proposed an ontology based personalized garment recommendation system.

Li et al. [6] utilized the HMM of recommended items to match customers' model according to customer data. The second method is the collaborative filtering-based recommendations algorithm. Proposed Content-Based Filtering Recommendation Algorithm

For instance, Nogueira et al. [7] presented a new collaborative filtering strategy that utilizes the visual attention to characterize images and alleviate the new item cold-start problem. The rule-based recommendation algorithm is the third method.

Hwang et al. [8] put forward a method to generate the automatic rules with the user's items and made a suggestion on the best rule. The fourth method is the utility-based recommendation. Scholz et al.

[9] found that exponential utility functions are better geared to predicting optimal recommendation ranks for products, and linear utility functions perform much better in estimating customers' willingness.

Koenig in [10] developed a system toward real-time human detection and tracking in diverse environments. However, mostly the researchers focus on the point of human detection and tracking in complex scene, while refined contour extraction of human in dynamic scene is still an open question.

2.1 EXISTING PROBLEM

In existing system only simple web application and their rating has been implemented in existing system, An ecommerce product recommendation engine is a piece of technology that displays recommended products to shoppers throughout your store. It uses machine learning to get smarter and show increasingly relevant products to shoppers based on their interests and previous browsing behavior

In existing model is content based filtering scheme has been employed in existing model **The content-based filtering method** analyzes customer data on the likes and dislikes of each user (cookies allow tracking over multiple visits), then makes recommendations based on the browsing history of that user. The idea behind content-based filtering is that if you enjoy a certain item, you'll likely also enjoy a similar item. An example of a content-based filtering system would be if you were listening to Pandora and consistently 'liked' downtempo jazz music.

The collaborative-filtering method incorporates data from users who have purchased similar products, then combines that information to make decisions about recommendations. The advantage to this filtering method is that it is capable of making complex recommendations on items such as music or movies without having to 'understand' what the item is. This method of filtering operates under the assumption that users will prefer recommendations that are based on purchases they made in the past. Here's an example: If customer A likes a specific line of products that customer B also likes (assuming they have similar interests), then collaborate-filtering would assume that customer A would like other products that customer B purchased and vice versa.

A hybrid method combines the content-based and collaborative-based methods to incorporate group decisions but focuses the output based on the attributes of a specific visitor.

An example of a hybrid filtering system would be how Spotify curates its personalized ‘Discover Weekly’ playlists. If you’ve ever listened to a personalized Spotify playlist, it’s shocking how accurately they’re able to recommend songs based on what you like. The secret behind how they pull this off is through a complex hybrid filtering system that aggregates data on your listening habits as well as similar users’ listening habits, to create a playlist of unique songs that align with your personal taste.

2.2references

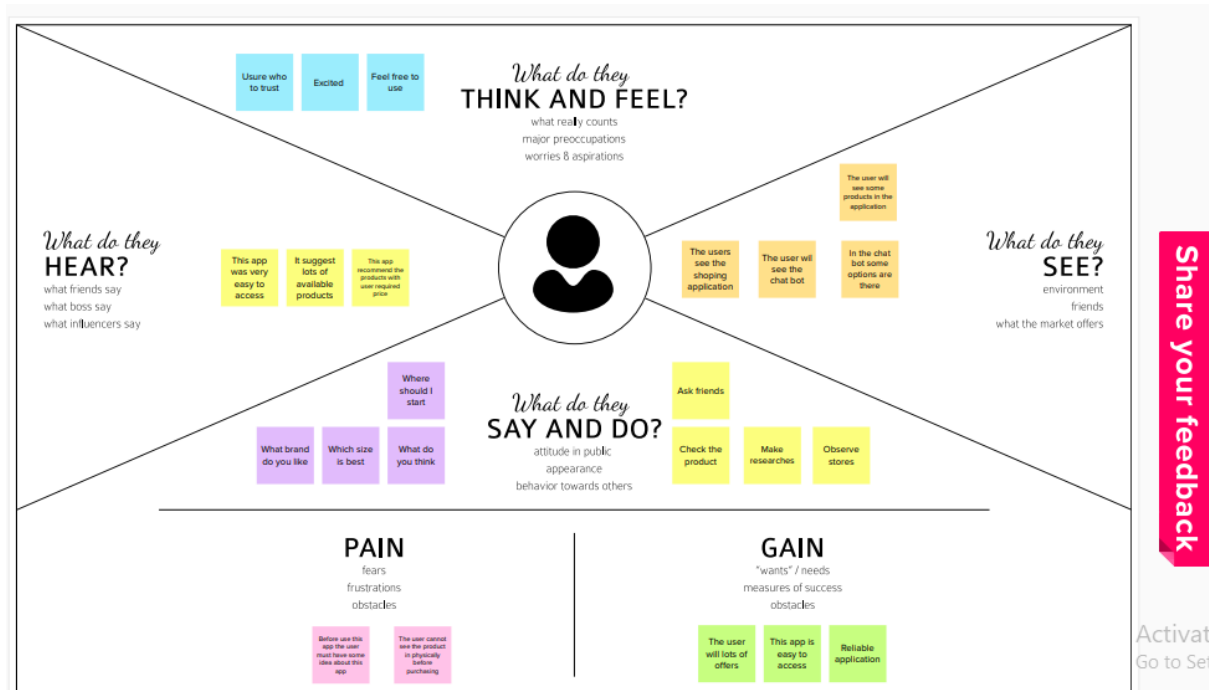
1. I. Esslimani, A. Brun, and A. Boyer, “A collaborative filtering approach combining clustering and navigational based correlations,” in Proc. 5th Int. Conf. Web Inf. Syst. Technol., 2009, pp. 364–369
2. S. Zhang, W. Wang, J. Ford, and F. Makedon, “Learning from incomplete ratings using non-negative matrix factorization,” in Proc. 6th SIAM Int. Conf. Data Mining, 2006, pp. 549–553.
3. T. Hofmann and J. Puzicha, “Latent class models for collaborative filtering,” in Proc. 6th Int. Joint Conf. Artif. Intell., 1999, pp. 688–693.
4. B. M. Sarwar, G. Karypis, J. A. Konstan, and J. Reidl, “Item-based collaborative filtering recommendation algorithms,” in Proc. 10th Int. World Wide Web Conf., 2001, pp. 285–295
5. T. George and S. Merugu, “A scalable collaborative filtering framework based on co-clustering,” in Proc. 5th IEEE Int. Conf. Data Mining, 2005, pp. 625–628

2.3problem statement definition

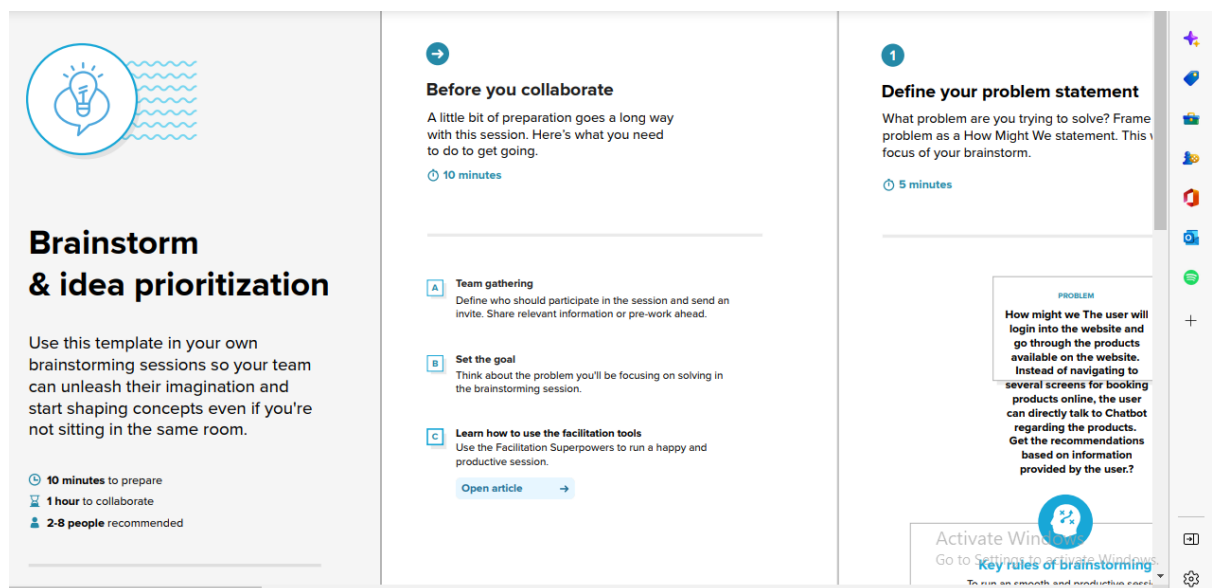
- The problem of the work is to design static web applications deployments with customer deployment
- Lack of interaction between application and user
- User need to navigate across multiple pages to choose right product
- Confusion in choosing product
- Lack of sales
- Complex User Interface.
- Lack of proper guidance.

3.Ideation and proposed solution

3.1 empathy map canvas



3.2 ideation and brain storming



3.3 proposed solutions

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> Lack of interaction between application and user User need to navigate across multiple pages to choose right product Confusion in choosing product Lack of sales Complex User Interface. Lack of proper guidance.
2.	Idea / Solution description	By using Smart fashion recommender application: <ul style="list-style-type: none"> Improve customer relationship, interactivity and services. Effective recommendation of products. Recommendation within a single page via chat-bot Collect feedback instantly. Reduce human error Proper guidance in accessing application.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> Chat-bot asks and learns from user preference which recommends appropriate products to the user without making them to search through various filters. Reduces time in choosing right product thus increases sales.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> Feedback from the user at the end of session or after placing order is one of the most important factor in deriving customer satisfaction and providing better services.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> The application can be developed at minimum cost with high performance and interactive user interface.
6.	Scalability of the Solution	<ul style="list-style-type: none"> The solution can be made scalable by using micro service architecture provided that each server responsible for certain functionality of the application. Storing user preferences along with product in browser cookie will enable to provide response instantly and allows for fetching related products.

3.4 problem solution fit

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) <small>Who is your customer? i.e. working parents of 0-5 yrs. kids</small> <ul style="list-style-type: none"> Customers are those who want to purchase fashion items in a short time 	6. CUSTOMER CONSTRAINTS <small>What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.</small> <ul style="list-style-type: none"> Most of the solution available in the internet hosts a lot of adds limiting its usability. Needs a proper network connection 	5. AVAILABLE SOLUTIONS <small>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital note-taking</small> <ul style="list-style-type: none"> Smart Fashion Recommender which are supported in many browsers Smart Fashion Recommender Chatbot is developed in this project. 	Explore AS, Addressed AS
	2. JOBS-TO-BE-DONE / PROBLEMS <small>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</small> <ul style="list-style-type: none"> To collect data about our visitors and leverage it to make better product suggestions and recommendations Understanding customer inquiries, their needs, and preferences can allow you to personalize product pages and build customer loyalty and affinity. 	9. PROBLEM ROOT CAUSE <small>What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.</small> <ul style="list-style-type: none"> For No-Pressure Shopping Experiences Customer service will be available for 24/7 Chatbot can help with recovering abandoned carts 	7. BEHAVIOUR <small>What does your customer do to address the problem and get the job done? i.e. directly related: find the right color/pattern/size; calculate usage and benefits; indirectly associated: customers spend less time on volunteering work (i.e. Greenpeace)</small> <ul style="list-style-type: none"> Seamless Real-Life Interaction Customer Data Security Reduce Customer Frustration 	Focus on J&P, tap into BE, Addressed BE
Identify strong TR & EM	3. TRIGGERS <small>What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.</small> <ul style="list-style-type: none"> Improve Lead Generation. Reduce Customer Service Costs. Monitor Consumer Data to Gain Insights. 	10. YOUR SOLUTION <small>If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fill entire canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.</small> <ul style="list-style-type: none"> Instead of navigating to several screens for booking products online, the user can directly talk to Chatbot regarding the products. 	8. CHANNELS of BEHAVIOUR <small>8.1 ONLINE What kind of actions do customers take online? Extract online channels from #7</small> <ul style="list-style-type: none"> Able to serve customers with a consistent level of quality in a short period of time across different channels, 	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER <small>How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.</small> <ul style="list-style-type: none"> Took longer time to process and respond to the query 		<small>8.2 OFFLINE What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</small> <ul style="list-style-type: none"> Make sure they are aware of the usage of the chatbots 	

4. Requirement analysis

4.1 functional requirement

FR No.	Functional Requirements	Sub Registration
FR-1	Registration	Registration can be done using mobile number or gmail and needed some user information
FR-2	Login	User only log in by user id and password,Which is given during registration
FR-3	Delivery confirmation	Confirmation via email and phone number
FR-4	Assistance	Bot is integrated with the application to make the usability simple

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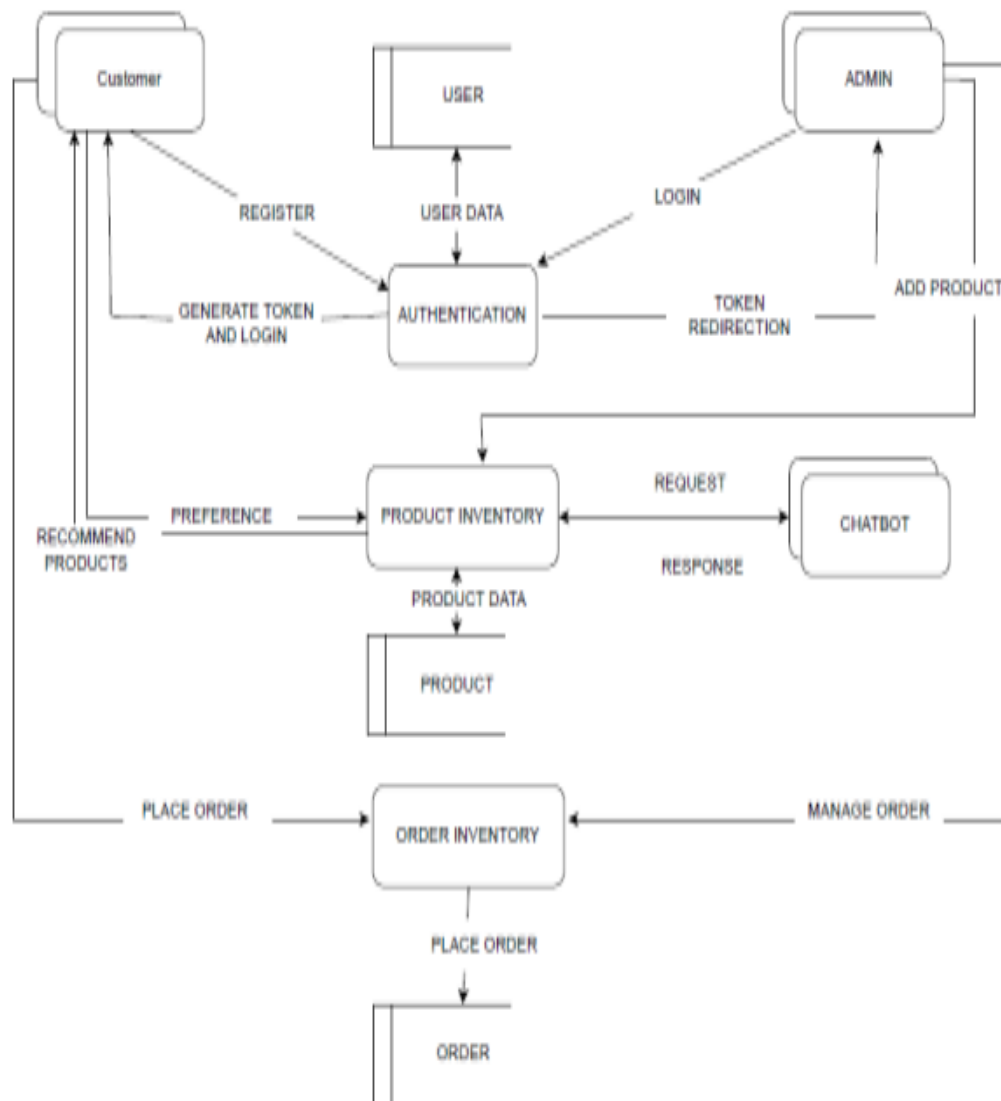
4.2 Non -functional requirement

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

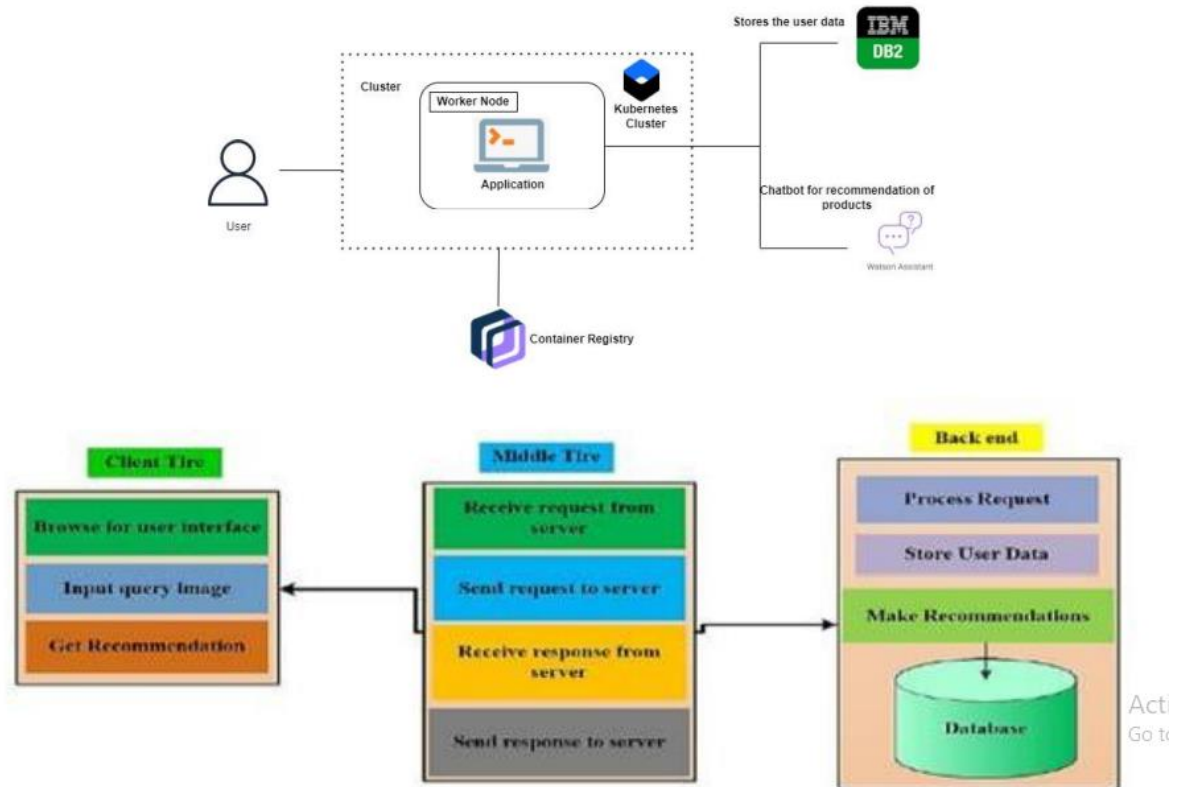
5. project design

5.1 Data flow diagrams

the proposed system



5.2 solutions and Technical Architecture



6. Project planning and scheduling

6.1 Sprint Planning & Estimation

Project Planning Phase
Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

Date	22 October 2022
Team ID	PNT20221MID08421
Project Name	Project - SMART FASHION RECOMMENDER APPLICATION
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Admin Panel	USN-1	As a Admin , <ul style="list-style-type: none">Can loginProducts - CRUDUser ListOrders List	20	High	Mohana Subbu M Fakrudeen K Dinesh Kumar K Rakesh A
Sprint-2	User Panel	USN-2	As a user, <ul style="list-style-type: none">Register , Login , Email VerificationManual SearchOrder placement , Order Details	20	High	Mohana Subbu M Fakrudeen K Dinesh Kumar K Rakesh A
Sprint-3	ChatBot	USN-3	<ul style="list-style-type: none">Automatic product search based on user informationCan make order without any manual process	20	High	Mohana Subbu M Fakrudeen K Dinesh Kumar K Rakesh A
Sprint-4	Testing & Deploy	USN-4	<ul style="list-style-type: none">Unit TestingContainerize the appDeployment in IBM CLOUD	20	High	Mohana Subbu M Fakrudeen K Dinesh Kumar K Rakesh A

6.2 Sprint Delivery Schedule

Project Planning Phase Milestone and Activity List

Date	27 October 2022
Team ID	PNT2022TMID08421
Project Name	Smart Fashion Recommender Application

Milestone and Activity List:

S. No:	Milestone	Activities	Team Members
01.	Setting up application environment	Create Flask Project	Mohana Subbu Fakrudeen Dinesh Rakesh
02.	Setting up application environment	Install IBM Cloud CLI	Mohana Subbu Fakrudeen Dinesh Rakesh
03.	Setting up application environment	Docker CLI Installation	Mohana Subbu Fakrudeen Dinesh Rakesh
04.	Setting up application environment	Create an account in sendgrid	Mohana Subbu Fakrudeen Dinesh Rakesh
05.	Project Development Phase	Project Development – Delivery of Sprint 1	Mohana Subbu Fakrudeen Dinesh Rakesh
06.	Project Development Phase	Project Development – Delivery of Sprint 2	Mohana Subbu Fakrudeen Dinesh Rakesh
07.	Project Development Phase	Project Development – Delivery of Sprint 3	Mohana Subbu Fakrudeen Dinesh

			Rakesh
08.	Project Development Phase	Project Development – Delivery of Sprint 4	Mohana Subbu Fakrudeen Dinesh Rakesh
09.	Project Planning Phase	Sprint Delivery Plan	Mohana Subbu Fakrudeen Dinesh Rakesh
10.	Project Planning Phase	Prepare Milestone & Activity List	Mohana Subbu Fakrudeen Dinesh Rakesh
11.	Project Design Phase - II	Technology Architecture	Mohana Subbu Fakrudeen Dinesh Rakesh
12.	Project Design Phase - II	Data Flow Diagrams	Mohana Subbu Fakrudeen Dinesh Rakesh
13.	Project Design Phase - II	Functional Requirement	Mohana Subbu Fakrudeen Dinesh Rakesh
14.	Project Design Phase - II	Customer Journey	Mohana Subbu Fakrudeen Dinesh Rakesh
15.	Project Design Phase - I	Solution Architecture	Mohana Subbu Fakrudeen Dinesh Rakesh
16.	Project Design Phase - I	Problem Solution Fit	Mohana Subbu Fakrudeen Dinesh Rakesh
17.	Project Design Phase - I	Proposed Solution	Mohana Subbu Fakrudeen Dinesh

			Rakesh
18.	Ideation Phase	Ideation	Mohana Subbu Fakrudeen Dinesh Rakesh
19.	Ideation Phase	Prepare Empathy Map	Mohana Subbu Fakrudeen Dinesh Rakesh
20.	Ideation Phase	Literature Survey on the selected project	Mohana Subbu Fakrudeen Dinesh Rakesh
21.	Deployment of App in IBM Cloud	Deploy in Kubernetes Cluster	Mohana Subbu Fakrudeen Dinesh Rakesh
22.	Deployment of App in IBM Cloud	Upload Image to IBM container Registry	Mohana Subbu Fakrudeen Dinesh Rakesh
23.	Deployment of App in IBM Cloud	Containerize the App	Mohana Subbu Fakrudeen Dinesh Rakesh
24.	Developing a Chatbot	Building Chatbot and integrating to an Application	Mohana Subbu Fakrudeen Dinesh Rakesh
25.	Integrating Sendgrid Service	Sendgrid Integration with python code	Mohana Subbu Fakrudeen Dinesh Rakesh
26.	Implementing Web Application	Create IBM DB2 and connect with python	Mohana Subbu Fakrudeen Dinesh Rakesh

27.	Implementing Web Application	Create UI to Interact with Application	Mohana Subbu Fakrudeen Dinesh Rakesh
28.	Setting up Application Environment	Create IBM Cloud Account	Mohana Subbu Fakrudeen Dinesh Rakesh

7.Coding

7.1 Feature

In this Smart Fashion Recommended System Chatbot is added. This Chatbot is used to recommend products to the user. The user has give the details about the product. The Chatbot will analyze the details and it recommends the product based on the user's given details. By using this Chatbot the user can easily find the required products. It saves the time for users.

It gives a new experiences to the users. It is very interest to use. The user will like to use the chatbot.

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
  jQuery(document).ready(function ($) {
    $(".scroll").click(function (event) {
      event.preventDefault();
      $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
    });
  });
</script>
```

```

<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
<style>
  a{
    text-decoration: none;
    color: black;
  }
  nav{
    background: grey;
    height: 80px;
    width: 100%;
  }
  nav ul{
    float: right;
    margin-right: 20px;
  }
  nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;
  }
  nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
  }
  a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
  }
  .checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
  }
  #check{
    display: none
  }
  @media (max-width: 952px){
    nav ul li a{
      font-size: 16px;
    }
  }

```

```

}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px
    }
    nav ul li a{
        font-size: 20px;
    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

a{
    text-decoration: none;
    color: black;
}
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{

```

```

        display: inline-block;
        line-height: 60px;
        margin: 0 5px;
    }
    nav ul li a{
        color: white;
        font-size: 17px;
        padding: 7px 13px;
        border-radius: 3px;
        text-transform: uppercase;
    }
    a.active,a:hover{
        background: #1b9bff;
        transition: .5s;
    }
    .checkbtn{
        font-size: 30px;
        color: white;
        float: right;
        line-height: 80px;
        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;

```

```

        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
            <ul>
                <li><a href="/UserHome">Home</a></li>
                <li><a href="/Search">Search</a></li>
                <li><a href="/UOrderInfo">Order
Info</a></li>
                <li><a href="/">Logout</a></li>
            </ul> </nav>
<div align="center" class="style2"> Product Information </div>

    <form id="form1" name="form1" method="post" action="/viewproduct">
        <table width="100%" border="0">
            <tr>
                <td width="46%">&nbsp;</td>
                <td width="54%" colspan="2">&nbsp;</td>
            </tr>
            <tr>
                <td rowspan="3">&nbsp;</td>
                <td>Category</td>

```

```

        <td><select name="subcat" id="subcat">
            <option value="--Select--">--Select--</option>
            <option value="Topwear">Topwear</option>
            <option value="Bottomwear">Bottomwear</option>
            <option value="Dress">Dress</option>
            <option value="Innerwear">Innerwear</option>
            <option value="Socks">Socks</option>
            <option value="Apparel Set">Apparel Set</option>
            <option value="Shoes">Shoes</option>
            <option value="Flip Flops">Flip Flops</option>
            <option value="Sandal">Sandal</option>
            <option value="TV">TV</option>
        </select>
        <input type="submit" name="Submit" value="Search" /></td>
    </tr>
    <tr>
        <td colspan="2">&nbsp;</td>
    </tr>
    <tr>
        <td colspan="2">&nbsp;</td>
    </tr>
    <tr>
        <td>Search Product </td>
        <td colspan="2">&nbsp;</td>
    </tr>
    <tr>
        <td colspan="3">
            {% for item in data %}

            <div>

                <div class="card" align="center">
                    
                    <h1>{{item[4]}}</h1>
                    <p class="price">{{item[11]}}</p>

                    <p><div align="center"><a href="fullInfo?pid={{item[1]}}">View
Full Information</a></div> </p>

                    <p>&nbsp;&nbsp;&nbsp;</p>
                    <p>&nbsp;</p>
                    <p>&nbsp;</p>
                </div>

            <div>
                </div>
            <div>
                </div>
            {% endfor %}
        </td>
    </tr>
</table>

```



```

</form>
    <!-- copyright -->
    <div class="copyright">
        <div class="container">
            <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
        </div>
    </div>

    <script>
        window.watsonAssistantChatOptions = {
            integrationID: "baa9f768-8d26-4bd1-b709-8b85bd1ccd6a", // The ID of
this integration.
            region: "jp-tok", // The region your integration is hosted in.
            serviceInstanceID: "4cddb2ba-dbf0-4b6c-91f9-4481b97d6a33", // 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>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
    <!-- here stars scrolling icon -->
    <script type="text/javascript">
        $(document).ready(function () {
            /*
            var defaults = {
                containerID: 'toTop', // fading element id
                containerHoverID: 'toTopHover', // fading element hover id
                scrollSpeed: 1200,
                easingType: 'linear'
            };
            */

            $().UItoTop({ easingType: 'easeOutQuart' });

        });
    </script>
<!-- //here ends scrolling icon -->

```

```
</body>
</html>
```

The Below Script is used to add the chatbot to the website. The chatbot icon is show in the bottom of the webpage.

```
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "baa9f768-8d26-4bd1-b709-8b85bd1ccd6a", // The ID of
this integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "4cddb2ba-dbf0-4b6c-91f9-4481b97d6a33", // 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>
```

7.2 Database Schema

This application use the ibmdb2 database. In this database user credentials, admin credentials and the product details are stored.

```
engine = create_engine('sqlite://',
                        echo = False)

dsn_hostname = "1bbf73c5-d84a-4bb0-85b9-
ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud"
dsn_uid = "gqw63760"
dsn_pwd = "vV4w84opARRA2SxN"

dsn_driver = "{IBM DB2 ODBC DRIVER}"
dsn_database = "bludb"
```

```

dsn_port = "32286"
dsn_protocol = "TCPIP"
dsn_security = "SSL"

dsn = (
    "DRIVER={0};"
    "DATABASE={1};"
    "HOSTNAME={2};"
    "PORT={3};"
    "PROTOCOL={4};"
    "UID={5};"
    "PWD={6};"
    "SECURITY={7};").format(dsn_driver, dsn_database, dsn_hostname, dsn_port,
dsn_protocol, dsn_uid, dsn_pwd,dsn_security)

try:
    conn = ibm_db.connect(dsn, "", "")
    print ("Connected to database: ", dsn_database, "as user: ", dsn_uid, "on
host: ", dsn_hostname)

except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() )

```

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.

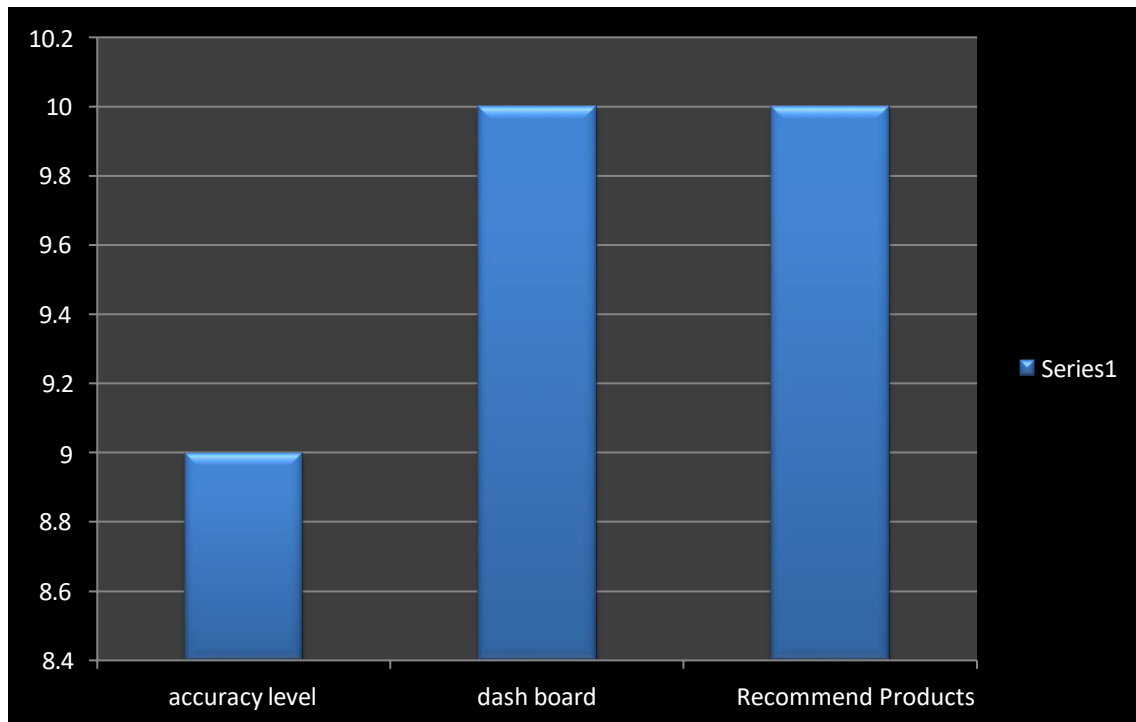
S. No	Scenario	Input	Expected Output	Actual Output
1.	User Login	User name and Password	Login	Login Success
2.	Admin Login	User name and Password	Login	Login Success
3.	Buy Products	Account Details	Order Book	Order Booked Successfully
4.	Add Products	Product Details	Add Product in the page	Product Added Successfully
5.	Mail	Account Details	Mail has to send to the user	The mail had sent successfully
6.	Chatbot Recommendation	Product Details	Chatbot Recommends the Products	Chatbot had recommended the Products Successfully

8.2 User Acceptance Testing

This sort of testing is carried out by users, clients, or other authorised bodies to identify the requirements and operational procedures of an application or piece of software. The most crucial stage of testing is acceptance testing since it determines whether or not the customer will accept the application or programmer. It could entail the application's U.I., performance, usability, and usefulness. It is also referred to as end-user testing, operational acceptance testing, and user acceptance testing (UAT).

9.RESULTS

9.1 Performance Metrics



10. Advantage and Disadvantages

Advantage:

1. good customer satisfaction
2. The performance is better in terms of quality and time.
3. It provides the better use of the database which store user and product history.
4. Quality prediction, Scalability, Prediction, speed are the main advantages of the proposed scheme.
5. It is a user friendly application.
6. Simple user Interface.

Disadvantage:

1. It requires active internet connection.
2. This system require ask high execution time compare to others.

11. Conclusions

In we developed product recommendation system using chat bot-based applications we developed here recommend the product list , Recommender Systems have been widely used to exhibit the most appropriate items to users given their past consumption preferences. Recommendation systems are achieving great success in e-Commerce applications, during a live interaction with a customer; recommendation system may apply different techniques to solve the problem of making a correct and relevant product recommendation using chat bot Flask framework designed here for product recommendation system

12. Future work

In future work we designed the android based mobile applications for product recommendation . The voice assistant will be add in the project

13. Appendix

Source Code

App.py:

```
from flask import Flask, render_template, flash, request, session
from flask import Flask, render_template, request, jsonify
import datetime
import re

import ibm_db
import pandas
import ibm_db_dbi
from sqlalchemy import create_engine

engine = create_engine('sqlite://',
                      echo = False)

dsn_hostname = "1bbf73c5-d84a-4bb0-85b9-
ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud"
dsn_uid = "gqw63760"
dsn_pwd = "vV4w84opARRA2SxN"

dsn_driver = "{IBM DB2 ODBC DRIVER}"
dsn_database = "bludb"
dsn_port = "32286"
dsn_protocol = "TCPIP"
dsn_security = "SSL"

dsn = (
    "DRIVER={0};"
    "DATABASE={1};"
    "HOSTNAME={2};"
    "PORT={3};"
    "PROTOCOL={4};"
    "UID={5};"
    "PWD={6};"
    "SECURITY={7};").format(dsn_driver, dsn_database, dsn_hostname, dsn_port,
dsn_protocol, dsn_uid, dsn_pwd,dsn_security)
```

```

try:
    conn = ibm_db.connect(dsn, "", "")
    print ("Connected to database: ", dsn_database, "as user: ", dsn_uid, "on
host: ", dsn_hostname)

except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() )

app = Flask(__name__)
app.config.from_object(__name__)
app.config['SECRET_KEY'] = '7d441f27d441f27567d441f2b6176a'

@app.route("/")
def homepage():

    return render_template('index.html')

@app.route("/AdminLogin")
def AdminLogin():

    return render_template('AdminLogin.html')

@app.route("/NewUser")
def NewUser():

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

    return render_template('UserLogin.html')


@app.route("/AdminHome")
def AdminHome():

    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)

    selectQuery = "SELECT * from regtb "

```

```

dataframe = pandas.read_sql(selectQuery, pd_conn)

dataframe.to_sql('Employee_Data',
                 con=engine,
                 if_exists='append')

# run a sql query
data = engine.execute("SELECT * FROM Employee_Data").fetchall()

return render_template('AdminHome.html', data=data)

@app.route("/NewProduct")
def NewProduct():

    return render_template('NewProduct.html')

@app.route("/ProductInfo")
def ProductInfo():
    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)

    selectQuery = "SELECT * from protb "
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('Employee_Data',
                    con=engine,
                    if_exists='append')

    # run a sql query
    print(engine.execute("SELECT * FROM Employee_Data").fetchall())

    return render_template('ProductInfo.html', data=engine.execute("SELECT *
FROM Employee_Data").fetchall())

@app.route("/SalesInfo")
def SalesInfo():

    return render_template('SalesInfo.html')

@app.route("/Search")
def Search():

```

```

conn = ibm_db.connect(dsn, "", "")
pd_conn = ibm_db_dbi.Connection(conn)

selectQuery = "SELECT * from protb "
dataframe = pandas.read_sql(selectQuery, pd_conn)

dataframe.to_sql('Employee_Data',
                 con=engine,
                 if_exists='append')

# run a sql query
print(engine.execute("SELECT * FROM Employee_Data").fetchall())

return render_template('ViewProduct.html', data=engine.execute("SELECT *
FROM Employee_Data").fetchall())

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

    searc = request.form['subcat']

    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)

    selectQuery = "SELECT * from protb where SubCategory like '%" + searc +
    "%' "
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('Employee_Data',
                    con=engine,
                    if_exists='append')

    # run a sql query
    print(engine.execute("SELECT * FROM Employee_Data").fetchall())

    return render_template('ViewProduct.html', data=engine.execute("SELECT *
FROM Employee_Data").fetchall())

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

```

```

        name1 = request.form['name']
        gender1 = request.form['gender']
        Age = request.form['age']
        email = request.form['email']
        address = request.form['address']
        pnumber = request.form['phone']
        uname = request.form['uname']
        password = request.form['psw']

        conn = ibm_db.connect(dsn, "", "")

        insertQuery = "INSERT INTO regtb VALUES ('" + name1 + "','" + gender1
+ "','" + Age + "','" + email + "','" + pnumber + "','" + password + "','" +
uname + "','" + address + "')"
        insert_table = ibm_db.exec_immediate (conn, insertQuery)
        print(insert_table)

    return render_template('userlogin.html')

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

        file = request.files['fileupload']
        file.save("static/upload/" + file.filename)

        ProductId =request.form['pid']
        Gender =request.form['gender']
        Category =request.form['cat']
        SubCategory=request.form['subcat']
        ProductType=request.form['ptype']
        Colour=request.form['color']
        Usage=request.form['usage']
        ProductTitle=request.form['ptitle']
        price = request.form['price']
        Image= file.filename
        ImageURL="static/upload/" + file.filename

        conn = ibm_db.connect(dsn, "", "")

```

```

        insertQuery = "INSERT INTO protb VALUES ('"+ ProductId + "','"+ Gender
+ "','"+ Category + "','"+ SubCategory + "','"+ ProductType + "','"+
Colour + "','"+Usage + "','"+ProductTitle+ "','"+ Image + "','"+ ImageURL + "','"+
price + "')"
        insert_table = ibm_db.exec_immediate(conn, insertQuery)

        data1 = 'Record Saved!'
        return render_template('goback.html', data=data1)

@app.route("/userlogin", methods=['GET', 'POST'])
def userlogin():
    error = None
    if request.method == 'POST':
        username = request.form['uname']
        password = request.form['password']
        session['uname'] = request.form['uname']

        conn = ibm_db.connect(dsn, "", "")
        pd_conn = ibm_db_dbi.Connection(conn)

        selectQuery = "SELECT * from regtb where uname='" + username + "' and
password='" + password + "'"
        dataframe = pandas.read_sql(selectQuery, pd_conn)

        if dataframe.empty:
            data1 = 'Username or Password is wrong'
            return render_template('goback.html', data=data1)
        else:
            print("Login")
            selectQuery = "SELECT * from regtb where uname='" + username + "'
and password='" + password + "'"
            dataframe = pandas.read_sql(selectQuery, pd_conn)

            dataframe.to_sql('Employee_Data',
                            con=engine,
                            if_exists='append')

            # run a sql query
            print(engine.execute("SELECT * FROM Employee_Data").fetchall())

```

```

        return render_template('UserHome.html',
data=engine.execute("SELECT * FROM Employee_Data").fetchall())

@app.route("/adminlogin", methods=['GET', 'POST'])
def adminlogin():
    error = None
    if request.method == 'POST':
        username = request.form['uname']
        password = request.form['password']

        conn = ibm_db.connect(dsn, "", "")
        pd_conn = ibm_db_dbapi.Connection(conn)

        selectQuery = "SELECT * from admin tb where username='" + username + "'
and password='" + password + "'"
        dataframe = pandas.read_sql(selectQuery, pd_conn)

        if dataframe.empty:
            data1 = 'Username or Password is wrong'
            return render_template('goback.html', data=data1)
        else:
            print("Login")
            selectQuery = "SELECT * from reg tb "
            dataframe = pandas.read_sql(selectQuery, pd_conn)

            dataframe.to_sql('Employee_Data', con=engine, if_exists='append')

            # run a sql query
            print(engine.execute("SELECT * FROM Employee_Data").fetchall())

            return render_template('AdminHome.html',
data=engine.execute("SELECT * FROM Employee_Data").fetchall())

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

    pid = request.args.get('id')
    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbapi.Connection(conn)

```

```

insertQuery = "Delete from protb where id='"+ pid +'"
insert_table = ibm_db.exec_immediate(conn, insertQuery)

selectQuery = "SELECT * from protb "
dataframe = pandas.read_sql(selectQuery, pd_conn)

dataframe.to_sql('Employee_Data',
                 con=engine,
                 if_exists='append')

# run a sql query
print(engine.execute("SELECT * FROM Employee_Data").fetchall())

return render_template('ProductInfo.html', data=engine.execute("SELECT *
FROM Employee_Data").fetchall())

@app.route("/fullInfo")
def fullInfo():
    pid = request.args.get('pid')
    session['pid'] = pid

    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)

    selectQuery = "SELECT * FROM protb where ProductId='" + pid + "' "
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('Employee_Data',
                    con=engine,
                    if_exists='append')

    # run a sql query
    print(engine.execute("SELECT * FROM Employee_Data").fetchall())

    return render_template('ProductFullInfo.html', data=engine.execute("SELECT
* FROM Employee_Data").fetchall())

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

```



```

username = session['uname']
pid = session['pid']

qty = request.form['qty']

ctype = request.form['ctype']
cardno = request.form['cardno']
cvno = request.form['cvno']

Bookingid = ''
ProductName = ''
uname= username
Mobile=''
Email=''
Qty = qty
Amount=''

CardType = ctype
CardNo = cardno
CvNo = cvno
date = datetime.datetime.now().strftime('%d-%b-%Y')

conn = ibm_db.connect(dsn, "", "")
pd_conn = ibm_db_dbi.Connection(conn)
selectQuery = "SELECT * FROM protb where ProductId='" + pid + "' "
dataframe = pandas.read_sql(selectQuery, pd_conn)

dataframe.to_sql('Employee_Data',con=engine,if_exists='append')
data = engine.execute("SELECT * FROM Employee_Data").fetchall()
for item in data:
    ProductName = item[8]
    price = item[11]
    print(price)
    Amount = float(price) * float(Qty)

    print(Amount)

selectQuery1 = "SELECT * FROM regtb where uname='" + username + "'"
dataframe = pandas.read_sql(selectQuery1, pd_conn)

dataframe.to_sql('regtb', con=engine, if_exists='append')
data1 = engine.execute("SELECT * FROM regtb").fetchall()

for item1 in data1:

```

```

        Mobile = item1[5]
        Email = item1[4]

    selectQuery = "SELECT * FROM booktb"
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('booktb', con=engine, if_exists='append')
    data2 = engine.execute("SELECT * FROM booktb").fetchall()
    count = 0

    for item in data2:
        count+=1

    Bookingid="BOOKID00" + str(count)

    insertQuery = "INSERT INTO booktb VALUES ('" + Bookingid + "','" +
    ProductName + "','" + price + "','" + uname + "','" + Mobile + "','" + Email +
    "','" + str(Qty) + "','" + str(Amount) + "','" + str(CardType) + "','" +
    str(CardNo) + "','" + str(CvNo) + "','" + str(date) + "')"
    insert_table = ibm_db.exec_immediate(conn, insertQuery)

    sendmsg(Email,"order received delivery in one week ")

    selectQuery = "SELECT * FROM booktb where  uname= '" + uname + "' "
    dataframe = pandas.read_sql(selectQuery, pd_conn)

    dataframe.to_sql('booktb1', con=engine, if_exists='append')
    data = engine.execute("SELECT * FROM booktb1").fetchall()

    return render_template('UOrderInfo.html', data=data)

def sendmsg(Mailid,message):
    import smtplib
    from email.mime.multipart import MIMEMultipart

```

```

from email.mime.text import MIMEText
from email.mime.base import MIMEBase
from email import encoders

fromaddr = "sampletest685@gmail.com"
toaddr = Mailid

# instance of MIMEMultipart
msg = MIMEMultipart()

# storing the senders email address
msg['From'] = fromaddr

# storing the receivers email address
msg['To'] = toaddr

# storing the subject
msg['Subject'] = "Alert"

# string to store the body of the mail
body = message

# attach the body with the msg instance
msg.attach(MIMEText(body, 'plain'))

# creates SMTP session
s = smtplib.SMTP('smtp.gmail.com', 587)

# start TLS for security
s.starttls()

# Authentication
s.login(fromaddr, "hneucvnontsuwgpj")

# Converts the Multipart msg into a string
text = msg.as_string()

# sending the mail
s.sendmail(fromaddr, toaddr, text)

# terminating the session
s.quit()

@app.route("/UOrderInfo")
def UOrderInfo():

    uname = session['uname']

```

```

conn = ibm_db.connect(dsn, "", "")
pd_conn = ibm_db_dbi.Connection(conn)
selectQuery = "SELECT * FROM booktb where  uname= '" + uname + "' "
dataframe = pandas.read_sql(selectQuery, pd_conn)
dataframe.to_sql('booktb1', con=engine, if_exists='append')
data = engine.execute("SELECT * FROM booktb1").fetchall()

return render_template('UOrderInfo.html', data=data)

@app.route("/UserHome")
def UserHome():

    uname = session['uname']

    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)
    selectQuery = "SELECT * FROM regtb where  uname= '" + uname + "' "
    dataframe = pandas.read_sql(selectQuery, pd_conn)
    dataframe.to_sql('booktb1', con=engine, if_exists='append')
    data = engine.execute("SELECT * FROM booktb1").fetchall()

    return render_template('UserHome.html', data=data)

@app.route("/ASalesInfo")
def ASalesInfo():
    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)
    selectQuery = "SELECT * FROM booktb  "
    dataframe = pandas.read_sql(selectQuery, pd_conn)
    dataframe.to_sql('booktb', con=engine, if_exists='append')
    data = engine.execute("SELECT * FROM booktb").fetchall()

    return render_template('ASalesInfo.html', data=data)

def main():
    app.run(debug=True, use_reloader=True)

if __name__ == '__main__':
    main()

```

AdminHome.html

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
  jQuery(document).ready(function ($) {
    $(".scroll").click(function (event) {
      event.preventDefault();
      $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
    });
  });
</script>
  <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
  <style>
    a{
      text-decoration: none;
      color: black;
    }
    nav{
      background: grey;
      height: 80px;
      width: 100%;
    }
  </style>
</head>
<body>
```

```

nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;

}
nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
}
a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
    }
}

```

```

        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
            <ul>

                <li><a href="/AdminHome">Home</a></li>
                <li><a
href="/NewProduct">NewProduct</a></li>
                <li><a
href="/ProductInfo">ProductInfo</a></li>
                <li><a
href="/ASalesInfo">SalesInfo</a></li>

                <li><a href="/">Logout</a></li>

            </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">
    <div>
        <h2 align="center"><span>User Details </span></h2>
        <table width="100%" border="0">

```

```

        <tr>
            <td width="22%">&nbsp;</td>
            <td width="28%">&nbsp;</td>
            <td width="47%">&nbsp;</td>
            <td width="3%">&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td colspan="2"><table width="80%" border="0">
                <tr>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Name</div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Gender </div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Age </div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Email </div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Mobile</div></td>
                </tr>
                {%for item in data%}
            <tr>
                <td height="30"><div align="center"><span
class="style1">{{item[1]}}</span></div></td>
                <td><div align="center"><span class="style1">{{item[2]}}</span></div></td>
                <td><div align="center"><span class="style1">{{item[3]}}</span></div></td>
                <td><div align="center"><span class="style1">{{item[4]}}</span></div></td>
                <td><div align="center"><span class="style1">{{item[5]}}</span></div></td>
            </tr>
                {%endfor%}
            <tr>
                <td>&nbsp;</td>
                <td>&nbsp;</td>
                <td>&nbsp;</td>
                <td>&nbsp;</td>
                <td>&nbsp;</td>
            </tr>
            </table></td>
            <td>&nbsp;</td>
        </tr>
    </table>
    <p>&nbsp;</p>
    <p>&nbsp;</p>
</div>
</form>
<!-- copyright -->
<div class="copyright">
    <div class="container">

```



```

        <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
    </div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

AdminLogin.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>

```

```

<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;
            border-radius: 3px;
            text-transform: uppercase;
        }
        a.active,a:hover{
            background: #1b9bff;
            transition: .5s;

```

```

}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px
    }
    nav ul li a{
        font-size: 20px;
    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

```

```

    }

    </style>
    </head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
            <ul>

                <li><a href="/">Home</a></li>
                <li><a href="/AdminLogin">Admin
Login</a></li>

                <li><a href="/UserLogin">User
Login</a></li>

                <li><a href="/NewUser">New User</a></li>

            </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">

        <table align="center">
            <tr>
                <td class="style1">
                    &nbsp;</td>
                <td>
                    &nbsp;</td>
                <td>
                    &nbsp;</td>
                <td>
                    &nbsp;</td>
            </tr>
            <tr>
                <td class="style1">
                    &nbsp;</td>
                <td colspan="2">
                    Admin Login Here..!</td>
                <td>
                    &nbsp;</td>
            </tr>
            <tr>
                <td class="style1">
                    &nbsp;</td>

```

```

        <td>
            &nbsp;</td>
        <td>
            &nbsp;</td>
        <td>
            &nbsp;</td>
    </tr>
    <tr>
        <td class="style1">
            &nbsp;</td>
        <td>
            UserName</td>
        <td>
            <input id="uname" type="text" name="uname" /></td>
        <td>
            &nbsp;</td>
    </tr>
    <tr>
        <td class="style1">
            &nbsp;</td>
        <td>
            Password</td>
        <td>
            <input id="password" type="password" name="password"
/></td>
        <td>
            &nbsp;</td>
    </tr>
    <tr>
        <td class="style1">
            &nbsp;</td>
        <td>
            &nbsp;</td>
        <td>
            &nbsp;</td>
        <td>
            &nbsp;</td>
    </tr>
    <tr>
        <td class="style1">
            &nbsp;</td>
        <td>
            &nbsp;</td>
        <td>
            <input id="Submit1" type="submit" value="submit" />&nbsp;  
            <input id="Reset1" type="reset" value="reset" /></td>
        <td>
            &nbsp;</td>
    </tr>

```

```

        <tr>
            <td class="style1">
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
        </tr>
        <tr>
            <td class="style1">
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
        </tr>
        <tr>
            <td class="style1">
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
            <td>
                &nbsp;</td>
        </tr>
    </table>

</div>
</form>
<!-- copyright -->
<div class="copyright">
    <div class="container">
        <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
    </div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {

```

```

        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $(()).UIToTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

ASalesInfo.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel="stylesheet"
type="static/css">
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel="stylesheet" type="static/static/text/css">
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);

```

```

    });
  });
</script>
  <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
  <style>
    a{
      text-decoration: none;
      color: black;
    }
    nav{
      background: grey;
      height: 80px;
      width: 100%;
    }
    nav ul{
      float: right;
      margin-right: 20px;
    }
    nav ul li{
      display: inline-block;
      line-height: 60px;
      margin: 0 5px;
    }
    nav ul li a{
      color: white;
      font-size: 17px;
      padding: 7px 13px;
      border-radius: 3px;
      text-transform: uppercase;
    }
    a.active,a:hover{
      background: #1b9bff;
      transition: .5s;
    }
    .checkbtn{
      font-size: 30px;
      color: white;
      float: right;
      line-height: 80px;
      margin-right: 40px;
      cursor: pointer;
      display: none;
    }
    #check{
      display: none
    }
    @media (max-width: 952px){

```



```

        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a: hover, a. active{
            background: none;
            color: #0082e6;
        }
        #checkchecked ~ ul{
            left: 0;
        }
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
        <ul>

```

```

        <li><a href="/AdminHome">Home</a></li>
        <li><a href="/NewProduct">New
Product</a></li>
        <li><a
href="/ProductInfo">ProductInfo</a></li>
        <li><a href="/AReviewInfo">Review
Info</a></li>

        <li><a href="/">Logout</a></li>

    </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">
    <div>
        <h2 align="center"><span> Sales Details </span></h2>
        <table width="90%" border="1" align="center">
            <tr>

                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Id</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Bookingid</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>ProductName</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>UserName</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Mobile</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Email</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Qty</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Amount</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>date</strong></div></td>

            </tr>
            {% for item in data %}
            <tr>
                <td><div align="center">{{item[0]}}</div></td>
                <td><div align="center">{{item[1]}}</div></td>

                <td><div align="center">{{item[2]}}</div></td>
                <td><div align="center">{{item[4]}}</div></td>
                <td><div align="center">{{item[5]}}</div></td>
                <td><div align="center">{{item[6]}}</div></td>

```

```

<td><div align="center">{{item[7]}}</div></td>
<td><div align="center">{{item[8]}}</div></td>
<td><div align="center">{{item[12]}}</div></td>

</tr>
{% endfor %}
<tr>

<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</div>
</form>
<!-- copyright -->
<div class="copyright">
<div class="container">
<p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
</div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
$(document).ready(function () {
/*
var defaults = {
containerID: 'toTop', // fading element id
containerHoverID: 'toTopHover', // fading element hover id

```

```

        scrollSpeed: 1200,
        easingType: 'linear'
    });
    */

    $.UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

Index.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>

```

```

<script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
<style>
  a{
    text-decoration: none;
    color: black;
  }
  nav{
    background: grey;
    height: 80px;
    width: 100%;
  }
  nav ul{
    float: right;
    margin-right: 20px;
  }
  nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;
  }
  nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
  }
  a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
  }
  .checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
  }
  #check{
    display: none
  }
  @media (max-width: 952px){
    nav ul li a{
      font-size: 16px;
    }
  }

```

```

    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a:hover,a.active{
            background: none;
            color: #0082e6;
        }
        #checkchecked ~ ul{
            left: 0;
        }
    }
    .w3-button{
margin: 2em 0 1em 0;
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
        <ul>

```

```

        <li><a href="/">Home</a></li>
        <li><a href="/AdminLogin">Admin
Login</a></li>
        <li><a href="/UserLogin">User
Login</a></li>
        <li><a href="/NewUser">New User</a></li>

    </ul> </nav>
    <div class="w3layouts-banner-slider">
        <div class="container">
            <div class="slider">
                <div class="callbacks_container">

                    <div class="agileits-banner-info">
                        <h3 align="center">Online
<span>Product</span></h3>
                        <div style="text-align: center;"
class="w3-button">
                            <a href="#">More</a>
                        </div>
                    </div>

                    <div class="agileits-banner-info">
                        <h3 align="center"
>Online<span>Product</span></h3>
                        <div style="text-align: center;"
class="w3-button">
                            <a href="#">More</a>
                        </div>
                    </div>

                </div>
            </div>
            <script src="static/js/responsiveslides.min.js"></script>
            <script>
                // You can also use "$(window).load(function() {"
                $(function () {
                    // Slideshow 4
                    $("#slider4").responsiveSlides({
                        auto: true,
                        pager:true,
                        nav:true,
                        speed: 500,
                        namespace: "callbacks",
                        before: function () {

```

```

        $('.events').append("<li>before event
fired.</li>");
    },
    after: function () {
        $('.events').append("<li>after event
fired.</li>");
    }
});

});
</script>
<!--banner Slider starts Here-->
</div>
</div>
</div>

<!-- //banner -->
<!-- banner-bottom -->
<div class="welcome">
    <div class="container">

        </div>
    </div>
    <!-- banner-bottom -->

    <!-- copyright -->
    <div class="copyright">
        <div class="container">
            <p>©. All rights reserved | Design by <a href="#">Online Shop
</a></p>
        </div>
    </div>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
    <!-- here stars scrolling icon -->
    <script type="text/javascript">
        $(document).ready(function() {
            /*
                var defaults = {
                    containerID: 'toTop', // fading element id
                    containerHoverID: 'toTopHover', // fading element hover id
                    scrollSpeed: 1200,
                    easingType: 'linear'
                };
            */

```



```

        $(()).UIToTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

NewProduct.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel="stylesheet"
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel="stylesheet" type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;

```

```

}
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;

}
nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
}
a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{

```

```

        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span> Shopping</span></a>
</h1>
<nav> <input type="checkbox" id="check" >
    <label for="check" class="checkbtn">
        <i class="fas fa-bars"></i></label>
    <ul>

        <li><a href="/AdminHome">Home</a></li>
        <li><a href="/NewProduct">NewProduct</a></li>
        <li><a href="/ProductInfo">ProductInfo</a></li>
        <li><a href="/ASalesInfo">SalesInfo</a></li>

        <li><a href="/">Logout</a></li>

    </ul> </nav>

```

```
<form id="form1" name="form1" method="post" action="/RNewProduct"
enctype="multipart/form-data">
```

```
<table width="100%" border="0">
  <tr>
    <td>&nbsp;</td>
    <td colspan="2">&nbsp;</td>
    <td>&nbsp;</td>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td colspan="2">&nbsp;</td>
    <td>&nbsp;</td>
  </tr>
  <tr>
    <td width="32%">&nbsp;</td>
    <td colspan="2"><div align="center" class="style2">New Product
Registration </div></td>
    <td width="29%">&nbsp;</td>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td>ProductId</td>
    <td><input name="pid" type="text" id="pid" /></td>
    <td>&nbsp;</td>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td width="18%">Gender</td>
    <td width="21%"><select name="gender" id="gender">
      <option value="--Select--">--Select--</option>
      <option value="Girls">Girls</option>
      <option value="Female">Boys</option>
      <option value="Men">Men</option>
      <option value="Woman">Woman</option>
    </select></td>
    <td>&nbsp;</td>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td>Category</td>
    <td><label>
      <select name="cat" id="cat">
        <option value="--Select--">--Select--</option>
        <option value="Apparel">Apparel</option>
        <option value="Footwear">Footwear</option>
        <option value="Electronic ">Electronic</option>
```

```

        </select>
    </label></td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>SubCategory</td>
    <td><select name="subcat" id="subcat">
        <option value="--Select--">--Select--</option>
        <option value="Topwear">Topwear</option>
        <option value="Bottomwear">Bottomwear</option>
        <option value="Dress">Dress</option>
        <option value="Innerwear">Innerwear</option>
        <option value="Socks">Socks</option>
        <option value="Apparel Set">Apparel Set</option>
        <option value="Shoes">Shoes</option>
        <option value="Flip Flops">Flip Flops</option>
        <option value="Sandal">Sandal</option>
        <option value="TV">TV</option>

    </select></td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>ProductType</td>
    <td><select name="ptype" id="ptype">
        <option value="--Select--">--Select--</option>
        <option value="Tops">Tops</option>
        <option value="Capris">Capris</option>
        <option value="Dresses">Dresses</option>
        <option value="Shorts">Shorts</option>
        <option value="Tshirts">Tshirts</option>
        <option value="Skirts">Skirts</option>
        <option value="Jeans">Jeans</option>
        <option value="Leggings">Leggings</option>
        <option value="Innerwear Vests">Innerwear Vests</option>

        <option value="Churidar">Churidar</option>
        <option value="Sandals">Sandals</option>

    </select></td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>Colour</td>
    <td><input name="color" type="text" id="color" /></td>
    <td>&nbsp;</td>

```

```

</tr>
<tr>
  <td>&nbsp;</td>
  <td>Usage</td>
  <td><label>
    <input name="usage" type="text" id="usage" />
  </label></td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>ProductTitle</td>
  <td><input name="ptitle" type="text" id="ptitle" /></td>
  <td>&nbsp;</td>
</tr>

  <tr>
  <td>&nbsp;</td>
  <td>Price</td>
  <td><input name="price" type="text" id="price" /></td>
  <td>&nbsp;</td>
</tr>

<tr>
  <td>&nbsp;</td>
  <td>Image</td>
  <td><input name="fileupload" type="file" id="fileupload" /></td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td><label>
    <input type="submit" name="Submit" value="Submit">
  </label>
  <label>
    <input name="Reset" type="reset" id="Reset" value="Reset">
  </label></td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>

```

```

        <td>&nbsp;</td>
        <td>&nbsp;</td>
    </tr>
</table>

<div class="copyright">
    <div class="container">
        <p>© All rights reserved | Design by <a href="#">Smart Shopping</a></p>
    </div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $().UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
</form></body></html>

```

NewUser.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />

```

```

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;

```



```

        border-radius: 3px;
        text-transform: uppercase;
    }
    a.active,a:hover{
        background: #1b9bff;
        transition: .5s;
    }
    .checkbtn{
        font-size: 30px;
        color: white;
        float: right;
        line-height: 80px;
        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a:hover,a.active{

```

```

        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
            <ul>
                <li><a href="/AdminHome">Home</a></li>
                <li><a href="/AdminLogin">Admin
Login</a></li>
                <li><a href="/UserLogin">User
Login</a></li>
                <li><a href="/NewUser">New User</a></li>
            </ul> </nav>
        <form id="form1" name="form1" method="post" action="/RNewUser">
            <div align="center" ><h2> <strong>New User
Registration</strong> </h2> </div>
            <table width="35%" border="0" align="center">
                <tr>
                    <td></td>
                </tr>
                <tr>
                    <td width="45%" height="48">Name</td>
                    <td width="55%"><input name="name" type="text" id="name" required
pattern="[A-Za-z ]{3,32}"/>
                    </td>
                </tr>
                <tr>
                    <td height="50">Gender</td>
                    <td><input name="gender" type="radio" value="male" required />
Male
                    <input name="gender" type="radio" value="female" />
Female</td>
                </tr>
            </table>
        </form>
    </body>
</html>

```

```

</tr>
<tr>
  <td height="49">Age</td>
  <td>
    <input name="age" type="text" id="age" required size="3" />
  </td>
</tr>
<tr>
  <td height="48">Email Id</td>
  <td><input name="email" type="email" id="email" required /></td>
</tr>
<tr>
  <td height="46">Phone Number </td>
  <td><input name="phone" type="text" id="phone" required size="10"
pattern="[0-9]{10}" /></td>
</tr>

  <tr>
    <td height="50">Address</td>
    <td><textarea name="address" id="address" required></textarea></td>
  </tr>

<tr>
  <td height="40">User Name</td>
  <td><input name="uname" type="text" id="uname" required/></td>
</tr>

<tr>
  <td height="53">Passwrod</td>
  <td><input name="psw" type="password" id="psw" required/></td>
</tr>

<tr>
  <td height="72">&nbsp;</td>
  <td><input name="btn" type="submit" id="btn" value="Submit" />
  <input type="reset" name="Submit2" value="Reset" /></td>
</tr>
</table>
  </form>
  <!-- copyright -->
  <div class="copyright">
    <div class="container">
      <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
    </div>
  </div>

```

```

<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $().UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

ProductFullInfo.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel="stylesheet"
type="static/css">
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel="stylesheet" type="static/static/text/css">

```

```

<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;
            border-radius: 3px;
            text-transform: uppercase;
        }
        a.active,a:hover{
            background: #1b9bff;
            transition: .5s;
        }
        .checkbtn{
            font-size: 30px;
            color: white;
            float: right;
            line-height: 80px;

```

```

        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a:hover,a.active{
            background: none;
            color: #0082e6;
        }
        #checkchecked ~ ul{
            left: 0;
        }
    }
}

</style>
</head>
<body>
<h1 align= 'center'>

```

```

        <a href="index.html">Smart<span> Shopping</span></a>
    </h1>
<nav> <input type="checkbox" id="check" >
    <label for="check" class="checkbtn">
    <i class="fas fa-bars"></i></label>
    <ul>

        <li><a href="/UserHome">Home</a></li>
        <li><a href="/Search">Search</a></li>
        <li><a href="/UOrderInfo">Order Info</a></li>

            <li><a href="/">Logout</a></li>

    </ul> </nav>
<h2 align="center">Product Information </h2>

<form id="form1" name="form1" method="post" action="/Book">

    {% for item in data %}
    <table width="100%" border="0">
        <tr>
            <td width="33%">&nbsp;</td>
            <td width="22%">&nbsp;</td>
            <td width="12%">&nbsp;</td>
            <td width="33%">&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>Product Image </td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>
&nbsp;</td>
            <td colspan="2"> </td>

```

```

        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>ProductName</td>
            <td><label name='pname'> {{item[8]}}</label></td>
            <td>&nbsp;</td>
        </tr>

        <tr>
            <td>&nbsp;</td>
            <td>Price</td>
            <td><label name='Price'> {{item[11]}}</label>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>Usage</td>
            <td><label name='Specifications'>
{{item[7]}}</label>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        {% endfor %}
        <tr>
            <td>&nbsp;</td>
            <td></td>
            <td></td>
        </tr>

        <tr>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
            <td>&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td>Select Qty </td>
            <td><select name="qty" id="qty">
                <option value="1">1</option>
                <option value="2">2</option>
                <option value="3">3</option>
                <option value="4">4</option>
                <option value="5">5</option>
            </td>
        </tr>
    </tbody>
</table>

```



```

        <option value="6">6</option>
        <option value="7">7</option>
        <option value="8">8</option>
        <option value="9">9</option>
        <option value="10">10</option>

    </select>                                </td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>Card Type </td>
    <td><select name="ctype" id="ctype">
        <option value="MasterCard">MasterCard</option>
        <option value="Visacard">Visacard</option>
        <option value="RubyCard">RubyCard</option>
    </select></td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>CardNo</td>
    <td><input name="cardno" type="text" id="cardno" /></td>
    <td>&nbsp;</td>
</tr>

<tr>
    <td>&nbsp;</td>
    <td>CvNumber</td>
    <td><input name="cvno" type="text" id="cvno" /></td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td><input type="submit" name="Submit" value="Submit">
    <input type="reset" name="Submit2" value="Reset"></td>
    <td>&nbsp;</td>
</tr>
</table>

```

```

        <p>&nbsp;</p>
    </form>
    <!-- copyright -->
    <div class="copyright">
        <div class="container">
            <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
        </div>
    </div>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
    <script type="text/javascript" src="static/js/move-top.js"></script>
    <script type="text/javascript" src="static/js/easing.js"></script>
    <!-- here stars scrolling icon -->
    <script type="text/javascript">
        $(document).ready(function () {
            /*
            var defaults = {
                containerID: 'toTop', // fading element id
                containerHoverID: 'toTopHover', // fading element hover id
                scrollSpeed: 1200,
                easingType: 'linear'
            };
            */

            $.UItoTop({ easingType: 'easeOutQuart' });

        });
    </script>
    <!-- //here ends scrolling icon -->
</body>
</html>

```

ProductInfo.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="utf-8">
    <meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />

```

```

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel="stylesheet"
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel="stylesheet" type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;

```

```

        border-radius: 3px;
        text-transform: uppercase;
    }
    a.active,a:hover{
        background: #1b9bff;
        transition: .5s;
    }
    .checkbtn{
        font-size: 30px;
        color: white;
        float: right;
        line-height: 80px;
        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a:hover,a.active{

```

```

        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
        <a href="index.html">Smart<span>
Shopping</span></a>
        </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
        <ul>
            <li><a href="/AdminHome">Home</a></li>
            <li><a
href="/NewProduct">NewProduct</a></li>
            <li><a
href="/ProductInfo">ProductInfo</a></li>
            <li><a
href="/ASalesInfo">SalesInfo</a></li>
            <li><a href="/">Logout</a></li>
        </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">
        <div>
            <h2 align="center"><span >Product Details </span></h2>
            <table width="100%" border="0">
                <tr>
                    <td width="22%">&nbsp;</td>
                    <td width="28%">&nbsp;</td>
                    <td width="47%">&nbsp;</td>
                    <td width="3%">&nbsp;</td>
                </tr>
                <tr>
                    <td>&nbsp;</td>
                    <td colspan="2"><table width="100%" border="0">
                        <tr>
                            <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">ProductId</div></td>
                            <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Gender</div></td>

```

```

        <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Category</div></td>
        <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">SubCategory </div></td>
        <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">ProductType </div></td>
        <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Colour </div></td>
        <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Usage</div></td>
        <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">ProductTitle</div></td>

        <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Remove</div></td>
    </tr>
    {%for item in data%}

    <tr>

        <td><div align="center"><span class="style1">{{item[1]}}</span></div></td>
        <td><div align="center"><span class="style1">{{item[2]}}</span></div></td>
        <td><div align="center"><span class="style1">{{item[3]}}</span></div></td>
        <td><div align="center"><span
class="style1">{{item[4]}}</span></div></td>
        <td height="30"><div align="center"><span
class="style1">{{item[5]}}</span></div></td>
        <td height="30"><div align="center"><span
class="style1">{{item[6]}}</span></div></td>
        <td height="30"><div align="center"><span
class="style1">{{item[7]}}</span></div></td>

        <td><div align="center"></div></td>
        <td> <a href="/Remove?id={{item[0]}}">Remove</a> </td>
    </tr>

        {%endfor%}

    <tr>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
    </tr>

    </table></td>
    <td>&nbsp;</td>
</tr>

```

```

        </table>
        <p>&nbsp;</p>
        <p>&nbsp;</p>
    </div>
</form>
    <!-- copyright -->
    <div class="copyright">
        <div class="container">
            <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
        </div>
    </div>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
    <!-- here stars scrolling icon -->
    <script type="text/javascript">
        $(document).ready(function () {
            /*
            var defaults = {
                containerID: 'toTop', // fading element id
                containerHoverID: 'toTopHover', // fading element hover id
                scrollSpeed: 1200,
                easingType: 'linear'
            };
            */

            $.UItoTop({ easingType: 'easeOutQuart' });

        });
    </script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

UOrder.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="utf-8">
    <meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />

```

```

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href="//fonts.googleapis.com/css?family=Pacifico" rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300" rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;

```



```

        border-radius: 3px;
        text-transform: uppercase;
    }
    a.active,a:hover{
        background: #1b9bff;
        transition: .5s;
    }
    .checkbtn{
        font-size: 30px;
        color: white;
        float: right;
        line-height: 80px;
        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
    @media (max-width: 858px){
        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;
        }
        a:hover,a.active{

```

```

        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
        <a href="index.html">Smart<span>
Shopping</span></a>
        </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
        <ul>
            <li><a href="/UserHome">Home</a></li>
            <li><a href="/Search">Search</a></li>
            <li><a
href="/UOrderInfo">OrderInfo</a></li>
            <li><a href="/">Logout</a></li>
        </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">
    <div>
        <h2 align="center"><span>Your Order Details </span></h2>
        <table width="90%" border="1" align="center">
            <tr>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Id</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Bookingid</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>ProductName</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>UserName</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Mobile</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Email</strong></div></td>
                <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Qty</strong></div></td>

```

```

        <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>Amount</strong></div></td>
        <td bgcolor="#3399FF"><div align="center"
class="style5"><strong>date</strong></div></td>

    </tr>
    {% for item in data %}
    <tr>
        <td><div align="center">{{item[0]}}</div></td>
        <td><div align="center">{{item[1]}}</div></td>

        <td><div align="center">{{item[2]}}</div></td>
        <td><div align="center">{{item[4]}}</div></td>
        <td><div align="center">{{item[5]}}</div></td>
        <td><div align="center">{{item[6]}}</div></td>
        <td><div align="center">{{item[7]}}</div></td>
        <td><div align="center">{{item[8]}}</div></td>
        <td><div align="center">{{item[12]}}</div></td>

    </tr>
    {% endfor %}
    <tr>

        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</div>
</form>
<!-- copyright -->
<div class="copyright">

```

```

        <div class="container">
            <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
        </div>
    </div>
    <!-- //copyright -->
    <script src="static/js/responsiveslides.min.js"></script>
    <script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
    <!-- here stars scrolling icon -->
    <script type="text/javascript">
        $(document).ready(function () {
            /*
            var defaults = {
                containerID: 'toTop', // fading element id
                containerHoverID: 'toTopHover', // fading element hover id
                scrollSpeed: 1200,
                easingType: 'linear'
            };
            */

            $().UItoTop({ easingType: 'easeOutQuart' });

        });
    </script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

UserHome.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="utf-8">
    <meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
    <script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

    <link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>

```

```

<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;
        }
        nav{
            background: grey;
            height: 80px;
            width: 100%;
        }
        nav ul{
            float: right;
            margin-right: 20px;
        }
        nav ul li{
            display: inline-block;
            line-height: 60px;
            margin: 0 5px;
        }
        nav ul li a{
            color: white;
            font-size: 17px;
            padding: 7px 13px;
            border-radius: 3px;
            text-transform: uppercase;
        }
        a.active,a:hover{
            background: #1b9bff;
            transition: .5s;

```

```

}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{
        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px
    }
    nav ul li a{
        font-size: 20px;
    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

```

```

    }

    </style>
    </head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
        <ul>
            <li><a href="/UserHome">Home</a></li>
            <li><a href="/Search">Search</a></li>
            <li><a href="/UOrderInfo">Order
Info</a></li>
            <li><a href="/">Logout</a></li>
        </ul> </nav>
    <form id="form1" runat="server" method="post" action="/adminlogin">
<div>
    <h2 align="center"><span>Your Personal Details </span></h2>
    <table width="100%" border="0">
        <tr>
            <td width="22%">&nbsp;</td>
            <td width="28%">&nbsp;</td>
            <td width="47%">&nbsp;</td>
            <td width="3%">&nbsp;</td>
        </tr>
        <tr>
            <td>&nbsp;</td>
            <td colspan="2"><table width="80%" border="0">
                <tr>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Name</div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col"><div
align="center" class="style6">Gender </div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Age </div></td>
                    <td height="39" bgcolor="#78BBE6" scope="col" ><div
align="center" class="style6">Email </div></td>
                </tr>
                {%for item in data%}
            <tr>

```

```

        <td height="30"><div align="center"><span
class="style1">{{item[1]}}</span></div></td>
        <td><div align="center"><span class="style1">{{item[2]}}</span></div></td>
        <td><div align="center"><span class="style1">{{item[3]}}</span></div></td>
        <td><div align="center"><span class="style1">{{item[4]}}</span></div></td>

</tr>

        {%endfor%}

<tr>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
        <td>&nbsp;</td>
</tr>

        </table></td>
        <td>&nbsp;</td>
    </tr>
</table>
<p>&nbsp;</p>
<p>&nbsp;</p>
</div>
</form>
<!-- copyright -->
<div class="copyright">
    <div class="container">
        <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>
    </div>
</div>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({ easingType: 'easeOutQuart' });
    });

```



```

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

ViewProduct.html

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>smart Shopping</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta charset="utf-8">
<meta name="keywords" content="Cat Club Responsive web template, Bootstrap Web
Templates, Flat Web Templates, Android Compatible web template,
Smartphone Compatible web template, free webdesigns for Nokia, Samsung, LG,
SonyEricsson, Motorola web design" />
<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>

<link href='//fonts.googleapis.com/css?family=Pacifico' rel='stylesheet'
type='static/css'>
<link
href="//fonts.googleapis.com/css?family=Raleway:100,100i,200,200i,300,300i,400
,400i,500,500i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
<link
href='//fonts.googleapis.com/css?family=Roboto+Condensed:400,700italic,700,400
italic,300italic,300' rel='stylesheet' type='static/static/text/css'>
<script src="static/js/jquery-1.11.1.min.js"></script>
<script src="static/js/bootstrap.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();
            $('html,body').animate({ scrollTop: $(this.hash).offset().top },
1000);
        });
    });
</script>
    <script src="https://kit.fontawesome.com/a076d05399.js"
crossorigin="anonymous"></script>
    <style>
        a{
            text-decoration: none;
            color: black;

```

```

}
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{
    display: inline-block;
    line-height: 60px;
    margin: 0 5px;

}
nav ul li a{
    color: white;
    font-size: 17px;
    padding: 7px 13px;
    border-radius: 3px;
    text-transform: uppercase;
}
a.active,a:hover{
    background: #1b9bff;
    transition: .5s;
}
.checkbtn{
    font-size: 30px;
    color: white;
    float: right;
    line-height: 80px;
    margin-right: 40px;
    cursor: pointer;
    display: none;
}
#check{
    display: none
}
@media (max-width: 952px){
    nav ul li a{
        font-size: 16px;
    }
}
@media (max-width: 858px){
    .checkbtn{
        display: block;
    }
    ul{

```

```

        position: fixed;
        width: 100%;
        height: 100vh;
        background: #2c3e50;
        top: 80px;
        left: -100%;
        text-align: center;
        transition: all .5s;
    }
    nav ul li{
        display: block;
        margin: 50px 0;
        line-height: 30px

    }
    nav ul li a{
        font-size: 20px;

    }
    a:hover,a.active{
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul{
        left: 0;
    }
}

a{
    text-decoration: none;
    color: black;
}
nav{
    background: grey;
    height: 80px;
    width: 100%;
}
nav ul{
    float: right;
    margin-right: 20px;
}
nav ul li{
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    line-height: 60px;
    margin: 0 5px;

}
nav ul li a{

```

```

        color: white;
        font-size: 17px;
        padding: 7px 13px;
        border-radius: 3px;
        text-transform: uppercase;
    }
    a.active,a:hover{
        background: #1b9bff;
        transition: .5s;
    }
    .checkbtn{
        font-size: 30px;
        color: white;
        float: right;
        line-height: 80px;
        margin-right: 40px;
        cursor: pointer;
        display: none;
    }
    #check{
        display: none
    }
    @media (max-width: 952px){
        nav ul li a{
            font-size: 16px;
        }
    }
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        .checkbtn{
            display: block;
        }
        ul{
            position: fixed;
            width: 100%;
            height: 100vh;
            background: #2c3e50;
            top: 80px;
            left: -100%;
            text-align: center;
            transition: all .5s;
        }
        nav ul li{
            display: block;
            margin: 50px 0;
            line-height: 30px
        }
        nav ul li a{
            font-size: 20px;

```

```

    }
    a: hover, a. active {
        background: none;
        color: #0082e6;
    }
    #checkchecked ~ ul {
        left: 0;
    }
}

</style>
</head>
<body>
<h1 align= 'center'>
    <a href="index.html">Smart<span>
Shopping</span></a>
    </h1>
    <nav> <input type="checkbox" id="check" >
        <label for="check" class="checkbtn">
            <i class="fas fa-bars"></i></label>
            <ul>
                <li><a href="/UserHome">Home</a></li>
                <li><a href="/Search">Search</a></li>
                <li><a href="/UOrderInfo">Order
Info</a></li>
                <li><a href="/">Logout</a></li>
            </ul> </nav>
<div align="center" class="style2"> Product Information </div>

    <form id="form1" name="form1" method="post" action="/viewproduct">
        <table width="100%" border="0">
            <tr>
                <td width="46%">&nbsp;</td>
                <td width="54%" colspan="2">&nbsp;</td>
            </tr>
            <tr>
                <td rowspan="3">&nbsp;</td>
                <td>Category</td>
                <td><select name="subcat" id="subcat">
                    <option value="--Select--">--Select--</option>
                    <option value="Topwear">Topwear</option>
                    <option value="Bottomwear">Bottomwear</option>
                    <option value="Dress">Dress</option>
                    <option value="Innerwear">Innerwear</option>
                </td>
            </tr>
        </table>
    </form>

```

```

        <option value="Socks">Socks</option>
        <option value="Apparel Set">Apparel Set</option>
        <option value="Shoes">Shoes</option>
        <option value="Flip Flops">Flip Flops</option>
        <option value="Sandal">Sandal</option>
        <option value="TV">TV</option>
    </select>
    <input type="submit" name="Submit" value="Search" /></td>
</tr>
<tr>
    <td colspan="2">&nbsp;</td>
</tr>
<tr>
    <td colspan="2">&nbsp;</td>
</tr>
<tr>
    <td>Search Product </td>
    <td colspan="2">&nbsp;</td>
</tr>
<tr>
    <td colspan="3">
        {% for item in data %}
</div>

        <div class="card" align="center">

<h1>{{item[4]}}</h1>
<p class="price">{{item[11]}}</p>

        <p><div align="center"><a href="fullInfo?pid={{item[1]}}">View
Full Information</a></div> </p>

        <p>&nbsp;&nbsp;&nbsp;</p>
        <p>&nbsp;</p>
        <p>&nbsp;</p>
</div>

        <div>        </div>
        <div>        </div>
        {% endfor %}    </td>
    </tr>
</table>
</form>

<!-- copyright -->
<div class="copyright">
    <div class="container">
        <p>© All rights reserved | Design by <a href="#">Online
Shopping</a></p>

```

```

    </div>
</div>

<script>
    window.watsonAssistantChatOptions = {
        integrationID: "baa9f768-8d26-4bd1-b709-8b85bd1ccd6a", // The ID of
this integration.
        region: "jp-tok", // The region your integration is hosted in.
        serviceInstanceID: "4cdbb2ba-dbf0-4b6c-91f9-4481b97d6a33", // 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>
<!-- //copyright -->
<script src="static/js/responsiveslides.min.js"></script>
<script src="static/js/SmoothScroll.min.js"></script>
<script type="text/javascript" src="static/js/move-top.js"></script>
<script type="text/javascript" src="static/js/easing.js"></script>
<!-- here stars scrolling icon -->
<script type="text/javascript">
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $().UItoTop({ easingType: 'easeOutQuart' });

    });
</script>
<!-- //here ends scrolling icon -->
</body>
</html>

```

Github & Project Demo link:

Github Link:

<https://github.com/IBM-EPBL/IBM-Project-8151-1658910145>

Demo Video Link:

<https://drive.google.com/file/d/1kL9EDLpH4VjC4yw6ZYsGGY3PBmNWeVdV/view?usp=sharing>