

**SMART FASHION RECOMMENDER APPLICATION**  
**AN IBM PROJECT REPORT**

**SUBMITTED BY**

<b>VIGNESHWARAN V</b>	<b>- 412319104030</b>
<b>ARULSELVAN</b>	<b>- 412319104001</b>
<b>MADHAN S</b>	<b>- 412319104014</b>
<b>SAKTHIVEL S</b>	<b>- 412319104027</b>

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## ABSTRACT

In recent years, the huge amount of information and users of the internet service, it is hard to know quickly and accurately what the user wants. This phenomenon leads to an extremely low utilization of information, also known as the information overload problem. Traditionally, keywords are used to retrieve images, but such methods require a lot of annotations on the image data, which will lead to serious problems such as inconsistent, inaccurate, and incomplete descriptions, and a huge amount of work. To solve this problem, Content Based Information Retrieval (CBIR) has gradually become a research hotspot. CBIR retrieves picture objects based entirely on the content. The content of an image needs to be represented by features that represent its uniqueness. Basically, any picture object can be represented by its specific shapes, colours, and textures. These visual characteristics of the image are used as input conditions for the query system, and as a result the system will recommend nearest images and data set. This research designs and implements two-stage deep learning-based model that recommends a clothing fashion style. This model can use deep learning approach to extract various attributes from images with clothes to learn the user's clothing style and preferences. These attributes are provided to the correspondence model to retrieve the contiguous related images for recommendation. Based on data-driven, this thesis uses convolutional neural network as a visual extractor of image objects.

These preferences are being predicted using two approaches first content-based approach which involves characteristics of an item and second collaborative filtering approaches which considers user's past behaviour to evaluate its choices. This thesis proposes a fashion recommendation system which will recommend clothing images supported the style sort of the provided clothing images.

In this work, we focus on the images of upper body as well as the lower body clothing and with human model in the images. We have created our own datasets through web scrapping of different ecommerce websites. In this paper we have come up with an idea to build a content-based recommendation system using ResNet-50 convolutional neural network.

## INTRODUCTION:

During the last years, online shopping has been growing. In 2013, the total turnover for ecommerce in Europe expanded with 17% in contrast to the 12 months before and huge organizations can have hundreds and hundreds of products or even more from which we can select on websites. Both the customer and the business enterprise desire the client to easily discover applicable products or items both throughout search and when they are searching, and this is where recommender systems come into the picture. The greater part (62%) of US buyers with Web access presently shop on-line, to some degree, at least a month, and 1% say they do not buy from internet, as indicated by a current report by Walker Sands. From all the clients looking for items on the web, 63% of them buy garments (Burke, 2002), these being, quite possibly, the most purchased items. The information uncover that women are more likely to buy on-line, with 71% of ladies doing this, contrasted with 52% of men. Studies on clothing are in a growing development in general as a result of the tremendous market related to dress. In China, the serviceable market crushed 20 billion US dollars in 2016. Picture recovery can be depicted as the errand of looking out for pics in a picture data set. This is present not an astute thought, in light of everything. It has been explored on account of the way that the 1970s joined informational collection associations with PC vision, looking into the issue as indicated through two uncommon perspectives, the first being text-based and the second one being visual-based. From the outset, the developments have been made only through information annotations that have been saved in a database to work the retrieval step, however, when the dimension of the image collections started to amplify the effort required to label them used to be as soon as unsustainable, to solve this issue, during the 1990s, content-based photograph retrieval was proposed. Starting now many searched for lines have seemed the use of one or the different isolated or combining them. Recommendation systems make recommendations based on the information they are provided with and in the manner in which they are programmed. Going into details, most of the evaluation applied is independent coming up with a brand-new recommendation algorithm, system, or model. However, different researchers use already existing work as researchers use an already existing current piece of work to come up with a new diagram or to truly improve the current one. The present analysis model focuses on the use of a current algorithmic program and, consequently, the use of a new research concept comes up with a recommender system. Existing research and fashions have given us some inspirations of how to design fashion recommendation systems. Nevertheless, they also involve some common drawbacks. Therefore, in this study, our aim to suggest a new method to assist personal choice making through supplying images and get suggestions based on provided contents. The contribution of the research are follows: • To design and implement a web-based clothing fashion style recommender system based on deep learning; • A scheme for improving a person's clothing style by removing the features he/she doesn't like. • These attributes served to a similar model to retrieve similar images as recommendations. • Combined with more common

content-based recommendation systems, our model can help to extend robustness and performance.

## LITERATURE SURVEY:

## INTRODUCTION

The aim of the project is to build a model capable of doing fashion recommendation by just looking at its image. The model accepts a image and first determines whether the image contains a fashion product or not and recommend it accordingly. The main objective of this work is to:

- Develop a fashion recommendation system which answers the queries related to fashion shopping.
- To identify the fashion type of given input image. • If the given fashion image is valid then similar set of clothing will be recommended.
- Retrieving the similar search query products from different e-commerce websites

## RELATED WORK

There are some previous works related to building of recommendation systems. Smart Clothing Recommendation System with Deep Learning [1] In order to recommend a cloth, we develop two inceptions based convolutional neural networks as prediction part and one

feed forward neural network as recommender. In this study, we reach to 98% accuracy on colour prediction, 86% accuracy on gender and cloth's pattern predictions and 75% accuracy on clothing recommendation.

## **AUTHORS AND THEIR PROPOSAL**

- 1. Batuhan Aşıroglu, Mehmet Ilkay Atalay, Alkan Balkaya, Erden Tu Zu Nkan, Mustafa Da Gtekin, Tolga Ensar**

Smart Clothing Recommendation System with Deep Learning, 2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT)

- 2. Yong-Goo Shin, Yoon-Jae Yeo, Min-Cheol Sagong, Seo-Won Ji, and Sung-Jea Ko**

In this paper authours developed the System with Style Feature Decomposition, 2019 IEEE 9thInternational Conference on Consumer Electronics (ICCE-Berlin)

- 3. Kaiming He, Xiangyu Zhang, Shaoqing Ren, Jian Sun**

In this paper authors developed to Identify Mapping in Deep Residual Network, 2016 Cornell University.

## **INFERENCE OF LITERATURE SURVEY**

The literature review of the papers that were referenced and those that serve as base paper and supporting paper helped to narrow down the main challenges that the proposed application might face. Also, it has served as a guide for the development of the application in the right way, using the necessary tools.

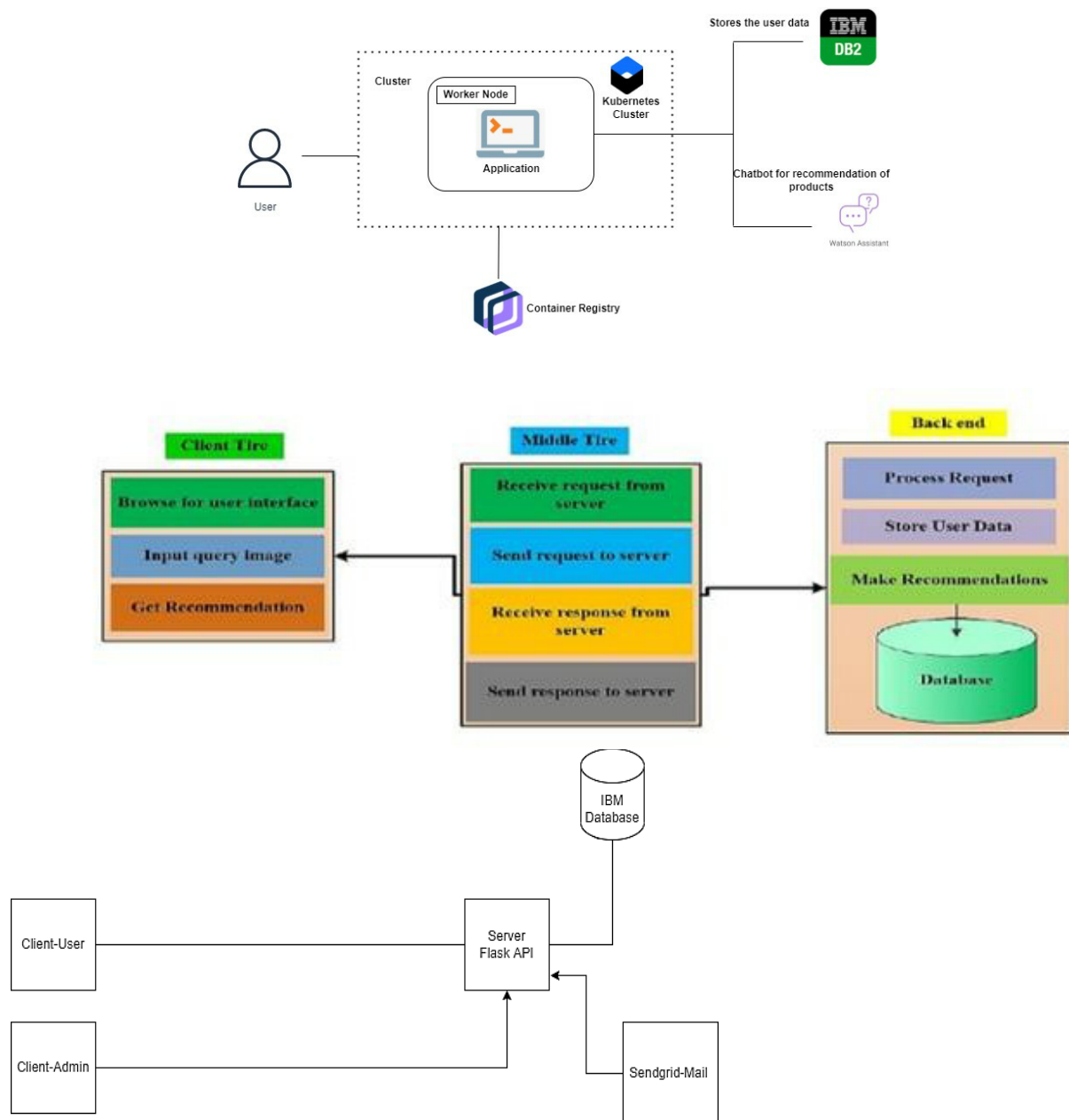
## **PROPOSED SYSTEM ARCHITECTURE:**

We have developed 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. In this project you will be working on two modules:

- Admin
- User

Instead of searching for products in the search bar and navigating to individual products to find required preferences, this project leverages the use of chatbots to gather all required preferences and recommend products to the user. The solution is implemented in such a way

as to improve the interactivity between customers and applications. The chatbot sends messages periodically to notify offers and preferences. For security concerns, this application uses a token to authenticate and authorize users securely. The token has encoded user id and role. Based on the encoded information, access to the resources is restricted to specific users.





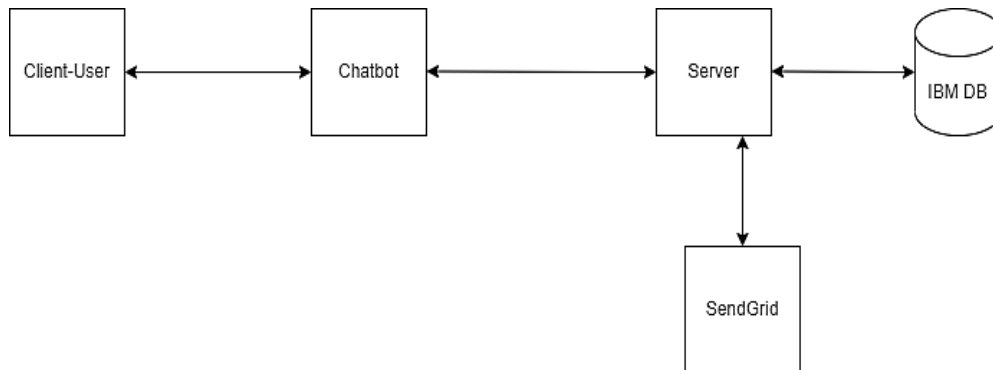


Figure 1: Architecture and data flow of the smart fashion recommendation system

## SOURCE CODE:

### viewproducts.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>Smart Fashion Recommender App</title>

```

```

  <!-- owl carousel css file cdn link -->
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/OwlC
arousel2/2.3.4/assets/owl.carousel.min.css">

```

```

  <!-- font awesome cdn link -->
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css">

```

```

  <!-- custom css file link -->
  <link rel="stylesheet" href="style3.css">

```

```

<script>

```

```

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>Smart Fashion Recommender App</title>

```

```

  <!-- owl carousel css file cdn link -->
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/OwlC
arousel2/2.3.4/assets/owl.carousel.min.css">

```

```

  <!-- font awesome cdn link -->
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css">

```

```

  <!-- custom css file link -->
  <link rel="stylesheet" href="style3.css">

```

```

window.watsonAssistantChatOptions = {
  integrationID: "cf168b52-1fb7-4979-8426-
112110f221d5", // The ID of this integration.
  region: "au-syd", // The region your integration is
hosted in.
  serviceInstanceID: "acd11e47-0bc5-438b-b0d7-
d14390b45c6a", // 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/ve
rsions/" +
(window.watsonAssistantChatOptions.clientVersi
on || 'latest') + "/WatsonAssistantChatEntry.js";
  document.head.appendChild(t);

});

</script>

```

```

</head>
<body>

```

```

<!-- header section starts -->

```

```

<header>

```

```

<script>
  window.watsonAssistantChatOptions = {

    integrationID: "d7a0676e-607a-45ba-8a0a-
7bd69a5d7b26", // The ID of this integration.
    region: "eu-gb", // The region your integration
is hosted in.
    serviceInstanceID: "03c025dd-26e1-4830-
9e1c-bba498cb108a", // 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/ve
rsions/" +
(window.watsonAssistantChatOptions.clientVersi
on || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>

```

```

</head>
<body>

```

```

<!-- header section starts -->

```

```

<header>

```

```
<div class="header-1">
  <a href="#" class="logo"> <i class="fas fa-
shopping-bag"></i> AM-2-PM </a>
```

```
<div class="form-container">
  <form action="">
```

```
    </form>
  </div>
```

```
</div>
```

```
<div class="header-2">
```

```
<div id="menu" class="fas fa-bars"></div>
```

```
<nav class="navbar">
  <ul>
    <li><a class="active"
href="#home">HOME</a></li>
    <li><a href="registration.html"
target="_blank">LOGIN</a></li>
    <li><a href="signup.html"
target="_blank">SIGNUP</a></li>

  </nav>
```

```
<!-- <div class="icons">
  <a href="#" class="fas fa-heart"></a>
  <a href="#" class="fas fa-shopping-cart"></a>
  <a href="registration.html" class="fas fa-
user"></a>
</div> -->
```

```
</div>
```

```
<div class="header-1">
  <a href="#" class="logo"> <i class="fas fa-
shopping-bag"></i> Smart Fashion </a>
```

```
<div class="form-container">
  <form action="">
```

```
    </form>
  </div>
```

```
</div>
```

```
<div class="header-2">
```

```
<div id="menu" class="fas fa-bars"></div>
```

```
<nav class="navbar">
  <ul>
    <li><a class="active"
href="#home">HOME</a></li>
    <li><a href="registration.html"
target="_blank">LOGIN</a></li>
    <li><a href="signup.html"
target="_blank">SIGNUP</a></li>

  </nav>
```

```
<!-- <div class="icons">
  <a href="#" class="fas fa-heart"></a>
  <a href="#" class="fas fa-shopping-cart"></a>
  <a href="registration.html" class="fas fa-
user"></a>
</div> -->
```

```
</div>
```

</header>

<!-- header section ends -->

<!-- home section starts -->

<section class="home" id="home">

<div class="home-slider owl-carousel">

```
<div class="item">
  
  <div class="content">
    <h3>Products for women</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
<div class="item">
  
  <div class="content">
    <h3>Products for men</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
<div class="item">
  
```

</header>

<!-- header section ends -->

<!-- home section starts -->

<section class="home" id="home">

<div class="home-slider owl-carousel">

```
<div class="item">
  
  <div class="content">
    <h3>Products for women</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
<div class="item">
  
  <div class="content">
    <h3>Products for men</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
<div class="item">
  
```

```
<div class="content">
  <h3>trending shoes</h3>
  <p>On Sale </p>
  <a href="#"><button
class="btn">Discover</button></a>
</div>
</div>
```

```
<div class="item">
  
  <div class="content">
    <h3>Products for kids</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
</div>
```

```
</section>
```

```
<!-- home section ends -->
```

```
<!-- arrival section starts -->
```

```
<section class="arrival" id="arrival">
```

```
<h1 class="heading"> <span>new arrivals</span>
</h1>
```

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

```
<div class="content">
  <h3>trending shoes</h3>
  <p>On Sale </p>
  <a href="#"><button
class="btn">Discover</button></a>
</div>
</div>
```

```
<div class="item">
  
  <div class="content">
    <h3>Products for kids</h3>
    <p>On Sale </p>
    <a href="#"><button
class="btn">Discover</button></a>
  </div>
</div>
```

```
</div>
```

```
</section>
```

```
<!-- home section ends -->
```

```
<!-- arrival section starts -->
```

```
<section class="arrival" id="arrival">
```

```

<div class="box">

  <div class="image">
    
  </div>
  <div class="info">
    <h3>branded jeans</h3>

    <div class="subInfo">
      <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
    <div class="overlay">
      <a href="#" style="-i:1;" class="fas fa-
heart"></a>
      <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
      <a href="#" style="-i:3;" class="fas fa-
search"></a>
    </div>

  </div>

<div class="box">

  <h1 class="heading"> <span>new arrivals</span>
</h1>

  <div class="box-container">

    <div class="box">
      <div class="image">
        
      </div>
      <div class="info">

        <h3>branded jeans</h3>
        <div class="subInfo">
          <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
          <div class="stars">
            <i class="fas fa-star"></i>
            <i class="fas fa-star"></i>
            <i class="fas fa-star"></i>
            <i class="fas fa-star"></i>
            <i class="fas fa-star-half"></i>
          </div>
        </div>

      </div>

      <div class="overlay">

        <a href="#" style="-i:1;" class="fas fa-
heart"></a>
        <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
        <a href="#" style="-i:3;" class="fas fa-
search"></a>
      </div>
    </div>
  </div>

```

```
<div class="image">
  
</div>
<div class="info">
  <h3>t-shirts</h3>

  <div class="subInfo">
    <strong class="price"> ₹1000/-
<span>₹1500/</span> </strong>
    <div class="stars">
      <i class="fas fa-star"></i>
      <i class="fas fa-star"></i>

      <i class="fas fa-star"></i>
      <i class="fas fa-star"></i>
      <i class="fas fa-star-half"></i>
    </div>
  </div>
</div>
<div class="overlay">
  <a href="#" style="-i:1;" class="fas fa-
heart"></a>
  <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
  <a href="#" style="-i:3;" class="fas fa-
search"></a>
</div>

</div>

<div class="box">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>latest shoes</h3>
```

```
</div>

<div class="box">
  <div class="image">
    
  </div>
  <div class="info">

    <h3>t-shirts</h3>
    <div class="subInfo">
      <strong class="price"> ₹1000/-
<span>₹1500/</span> </strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>

  </div>

  <div class="overlay">

    <a href="#" style="-i:1;" class="fas fa-
heart"></a>
    <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="-i:3;" class="fas fa-
search"></a>
  </div>
</div>

<div class="box">
  <div class="image">
    <img
```

```

<div class="subInfo">
  <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
  <div class="stars">
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>

    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star-half"></i>
  </div>
</div>
<div class="overlay">
  <a href="#" style="-i:1;" class="fas fa-
heart"></a>
  <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
  <a href="#" style="-i:3;" class="fas fa-
search"></a>
</div>

</div>

<div class="box">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>sweat-shirts</h3>

    <div class="subInfo">
      <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>

```

```

src="https://www.hungertv.com/app/uploads/201
9/03/NIKE-SHOE-GIF-COMP-1.gif" alt="">
    </div>
    <div class="info">

      <h3>latest shoes</h3>
      <div class="subInfo">
        <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
        <div class="stars">
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star"></i>
          <i class="fas fa-star-half"></i>
        </div>
      </div>

    </div>

    <div class="overlay">

      <a href="#" style="-i:1;" class="fas fa-
heart"></a>
      <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
      <a href="#" style="-i:3;" class="fas fa-
search"></a>
    </div>
  </div>

  <div class="box">
    <div class="image">
      
    </div>
    <div class="info">

      <h3>sweat-shirts</h3>
      <div class="subInfo">
        <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>

```



```

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
    </div>
</div>
<div class="overlay">
    <a href="#" style="--i:1;" class="fas fa-
heart"></a>
    <a href="#" style="--i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="--i:3;" class="fas fa-
search"></a>
</div>

</div>

```

```

<div class="box">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>traditional wears</h3>

```

```

        <div class="subInfo">
            <strong class="price"> ₹1000/-
<span>₹1500/</span> </strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>

                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>

```

```

<div class="stars">
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star-half"></i>
</div>

</div>

```

```

<div class="overlay">

    <a href="#" style="--i:1;" class="fas fa-
heart"></a>
    <a href="#" style="--i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="--i:3;" class="fas fa-
search"></a>
</div>
</div>

```

```

<div class="box">
    <div class="image">
        
    </div>
    <div class="info">

        <h3>traditional wears</h3>
        <div class="subInfo">
            <strong class="price"> ₹1000/-
<span>₹1500/</span> </strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>

```

```

        </div>
    </div>
</div>
<div class="overlay">
    <a href="#" style="-i:1;" class="fas fa-
heart"></a>
    <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="-i:3;" class="fas fa-
search"></a>
</div>

</div>

<div class="box">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>women's fashion</h3>

        <div class="subInfo">
            <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>

                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
<div class="overlay">
    <a href="#" style="-i:1;" class="fas fa-
heart"></a>
    <a href="#" style="-i:2;" class="fas fa-
```

```

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
    </div>
</div>

<div class="overlay">

    <a href="#" style="-i:1;" class="fas fa-
heart"></a>
    <a href="#" style="-i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="-i:3;" class="fas fa-
search"></a>
</div>
</div>

<div class="box">
    <div class="image">
        
    </div>
    <div class="info">

        <h3>women's fashion</h3>
        <div class="subInfo">
            <strong class="price"> ₹1000/-
<span>₹1500/-</span> </strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>

</div>
```

```

shopping-cart"></a>
    <a href="#" style="--i:3;" class="fas fa-
search"></a>
    </div>

</div>

</div>

</section>

<!-- arrival section ends -->

<!-- featured section starts -->

<!--
<section class="feature" id="featured">

<h1 class="heading"> <span> featured product
</span> </h1>

<div class="row">

    <div class="image-container">

        <div class="big-image">
            
        </div>

        <div class="small-image">
            
            
            
            

        </div>

```

```

<div class="overlay">

    <a href="#" style="--i:1;" class="fas fa-
heart"></a>
    <a href="#" style="--i:2;" class="fas fa-
shopping-cart"></a>
    <a href="#" style="--i:3;" class="fas fa-
search"></a>
    </div>

</div>

</div>

</section>

<!-- arrival section ends -->

<!-- featured section starts -->
<!--
<section class="feature" id="featured">

<h1 class="heading"> <span> featured product
</span> </h1>

<div class="row">

    <div class="image-container">

        <div class="big-image">
            
        </div>

        <div class="small-image">
            
            

```

```

</div>

<div class="content">

  <h3>smart watches</h3>
  <div class="stars">
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <span>(500+) reviews</span>
  </div>
  <p></p>
  <strong class="price">₹1000
<span>₹1500</span> </strong>
  <a href="#"><button class="btn">buy
now</button></a>

</div>

</div>

</section>

<!-- featured section ends -->

<!-- gallery section starts -->

<!-- <section class="gallery" id="gallery">

<h1 class="heading"> <span> product gallery
</span> </h1>

<ul class="controls">
  <li class="btn button-active" data-
filter="all">all</li>
  <li class="btn" data-filter="phone">phone</li>
  <li class="btn" data-filter="laptop">laptop</li>

```

```

    
    
  </div>

</div>

<div class="content">

  <h3>smart watches</h3>
  <div class="stars">
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <i class="fas fa-star"></i>
    <span>(500+) reviews</span>

  </div>

  <p></p>
  <strong class="price">₹1000
<span>₹1500</span> </strong>
  <a href="#"><button class="btn">buy
now</button></a>

</div>

</div>

</section>

<!-- featured section ends -->

<!-- gallery section starts -->

<!-- <section class="gallery" id="gallery">

<h1 class="heading"> <span> product gallery
</span> </h1>

<ul class="controls">

```

```

    <li class="btn" data-
filter="headphone">headphone</li>
    <li class="btn" data-filter="shoes">shoes</li>
</ul>

```

```

<div class="image-container">

```

```

    <div class="box phone">
        <div class="image">
            
        </div>
        <div class="info">
            <h3>smartphones</h3>
            <div class="subInfo">
                <strong class="price">₹1000</strong>
                <div class="stars">
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star-half"></i>
                </div>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box phone">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>smartphones</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
</div>

```

```

    <li class="btn button-active" data-
filter="all">all</li>
    <li class="btn" data-filter="phone">phone</li>
    <li class="btn" data-filter="laptop">laptop</li>
    <li class="btn" data-
filter="headphone">headphone</li>
    <li class="btn" data-filter="shoes">shoes</li>
</ul>

```

```

<div class="image-container">

```

```

    <div class="box phone">
        <div class="image">
            
        </div>
        <div class="info">
            <h3>smartphones</h3>
            <div class="subInfo">
                <strong class="price">₹1000</strong>
                <div class="stars">
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star"></i>
                    <i class="fas fa-star-half"></i>
                </div>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box phone">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>smartphones</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
            </div>
        </div>
    </div>
</div>

```

```

    </div>
</div>

<div class="box laptop">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>laptop</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>

<div class="box shoes">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>shoes</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>

<div class="box laptop">
  <div class="image">

```

```

    <i class="fas fa-star-half"></i>
  </div>
</div>
</div>
</div>

<div class="box laptop">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>laptop</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>

<div class="box shoes">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>shoes</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>
</div>

```

```

        
    </div>
    <div class="info">
        <h3>laptop</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box headphone">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>headphone</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box shoes">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>shoes</h3>
        <div class="subInfo">

```

```

<div class="box laptop">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>laptop</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box headphone">
    <div class="image">
        
    </div>
    <div class="info">
        <h3>headphone</h3>
        <div class="subInfo">
            <strong class="price">₹1000</strong>
            <div class="stars">
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star"></i>
                <i class="fas fa-star-half"></i>
            </div>
        </div>
    </div>
</div>

```

```

<div class="box shoes">
    <div class="image">
        
    </div>

```

```
<strong class="price">₹1000</strong>
<div class="stars">
  <i class="fas fa-star"></i>
  <i class="fas fa-star"></i>
  <i class="fas fa-star"></i>
  <i class="fas fa-star"></i>
  <i class="fas fa-star-half"></i>
</div>
</div>
</div>
</div>

<div class="box headphone">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>headphone</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>
</div>

<div class="box headphone">
  <div class="image">
    
  </div>
  <div class="info">
    <h3>headphone</h3>
    <div class="subInfo">
      <strong class="price">₹1000</strong>
      <div class="stars">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
      </div>
    </div>
  </div>
</div>
```



```

        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>

</section> -->

<!-- gallery section ends -->

<!-- deal section starts -->

<!-- <section class="deal" id="deal">

<h1 class="heading"> <span> best deals </span>
</h1>

<div class="box-container">

  <div class="box">
    
    <div class="content">
      <h3>latest laptop</h3>
      <p>upto 25% off on first purchase</p>
      <a href="#"><button
class="btn">explore</button></a>
    </div>
  </div>

  <div class="box">
    
    <div class="content">
      <h3>new headphone</h3>
      <p>upto 25% off on first purchase</p>
      <a href="#"><button
class="btn">explore</button></a>

```

```

        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star-half"></i>
      </div>
    </div>
  </div>
</div>

</section> -->

<!-- gallery section ends -->

<!-- deal section starts -->

<!-- <section class="deal" id="deal">

<h1 class="heading"> <span> best deals </span>
</h1>

<div class="box-container">

  <div class="box">
    
    <div class="content">
      <h3>latest laptop</h3>
      <p>upto 25% off on first purchase</p>
      <a href="#"><button
class="btn">explore</button></a>
    </div>
  </div>

  <div class="box">
    
    <div class="content">

```

```
</div>
</div>

</div>

<div class="icons-container">

  <div class="icons">
    <i class="fas fa-shipping-fast"></i>
    <h3>fast delivery</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-user-clock"></i>
    <h3>24 x 7 support</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-money-check-alt"></i>
    <h3>easy payments</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-box"></i>
    <h3>10 days replacements</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

</div>

</section> -->
```

```
<h3>new headphone</h3>
<p>upto 25% off on first purchase</p>
<a href="#"><button
class="btn">explore</button></a>
</div>
</div>

</div>

<div class="icons-container">

  <div class="icons">

    <i class="fas fa-shipping-fast"></i>
    <h3>fast delivery</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-user-clock"></i>
    <h3>24 x 7 support</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-money-check-alt"></i>
    <h3>easy payments</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>

  <div class="icons">

    <i class="fas fa-box"></i>
    <h3>10 days replacements</h3>
    <p>Lorem ipsum dolor sit, amet consectetur
adipisicing elit. Animi, molestiae?</p>
  </div>
```

*<!-- deal section ends -->*

*<!-- newsletter section starts -->*

*<section class="newsletter">*

*<h1>AM-2-PM</h1>*

*<p>get in touch for more fashion  
recommendations</p>*

*<form action="">*

*<input type="email" placeholder="enter your  
email">*

*<input type="submit" class="btn">*

*</form>*

*</section>*

*<!-- newsletter section ends -->*

*<!-- footer section starts -->*

*<section class="footer">*

*<div class="box-container">*

*<div class="box">*

*<a href="#" class="logo"> <i class="fas fa-  
shopping-bag"></i> am-2-pm </a>*

*</div>*

*</div>*

*</section> -->*

*<!-- deal section ends -->*

*<!-- newsletter section starts -->*

*<section class="newsletter">*

*<h1>Smart Fashion</h1>*

*<p>get in touch for more fashion  
recommendations</p>*

*<form action="">*

*<input type="email" placeholder="enter your  
email">*

*<input type="submit" class="btn">*

*</form>*

*</section>*

*<!-- newsletter section ends -->*

*<!-- footer section starts -->*

*<section class="footer">*

*<div class="box-container">*

*<div class="box">*

```

<div class="box">
  <h3>links</h3>
  <a href="#">home</a>

  <a href="#">arrival</a>
  <a href="#">featured</a>
  <a href="#">gallery</a>
  <a href="#">deal</a>
</div>

<div class="box">
  <h3>contact us</h3>
  <p> <i class="fas fa-home"></i>

    chennai, tamilnadu
  </p>
  <p> <i class="fas fa-phone"></i>
    +910000000
  </p>
  <p> <i class="fas fa-globe"></i>
    madhan1330x2@gmail.com
  </p>
</div>

</div>

</section>

<!-- footer section ends -->

```

```

  <a href="#" class="logo"> <i class="fas fa-
shopping-bag"></i> Smart Fashion </a>

</div>

<div class="box">
  <h3>links</h3>
  <a href="#">home</a>
  <a href="#">arrival</a>
  <a href="#">featured</a>
  <a href="#">gallery</a>
  <a href="#">deal</a>
</div>

<div class="box">
  <h3>contact us</h3>
  <p> <i class="fas fa-home"></i>

    chennai, tamilnadu
  </p>
  <p> <i class="fas fa-phone"></i>
    +910000000
  </p>
  <p> <i class="fas fa-globe"></i>
    madhan1330x2@gmail.com
  </p>
</div>

</div>

</section>

```

*<!-- jquery cdn link -->*

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery
/3.5.1/jquery.min.js"></script>
```

*<!-- footer section ends -->*

*<!-- owl carousel js file cdn link -->*

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/OwlCa
rousel2/2.3.4/owl.carousel.min.js"></script>
```

*<!-- custom js file link -->*

```
<script src="vp.js"></script>
```

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-  
width, initial-scale=1.0">

  <title>Smart Fashion Recommender App</title>

*<!-- owl carousel css file cdn link -->*

```
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/OwlC
arousel2/2.3.4/assets/owl.carousel.min.css">
```

*<!-- jquery cdn link -->*

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/jquery
/3.5.1/jquery.min.js"></script>
```

*<!-- owl carousel js file cdn link -->*

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/OwlCa
rousel2/2.3.4/owl.carousel.min.js"></script>
```

```
<script src="vp.js"></script>
</body>
</html>
```

## STYLE3.CSS

```
@import
url('https://fonts.googleapis.com/css
2?family=Open+Sans:wght@300;400;
600&display=swap');
```

```
:root{
  --blue:#42FF01;
}
```

```
*{
  font-family: 'Open Sans', sans-serif;
  margin:0; padding:0;
  box-sizing: border-box;
  text-transform: capitalize;
  text-decoration: none;
  transition: all .2s cubic-
bezier(.37,1.14,.26,1.24);
}
```

```
*::selection{
  background:#ff3300;
  color:#fff;
}
```

```
html{
  font-size: 62.5%;
  overflow-x: hidden;
}
```

```
.btn{
  height: 4rem;
  width: 14rem;
  background:var(--blue);
  color:#fff;
```

```
    font-size: 2rem;
    cursor: pointer;
    border:none;
    outline: none;
}
```

```
.btn:hover{
    letter-spacing: .2rem;
    opacity: .8;
}
```

```
.heading{
    padding-top: 7rem;
    width: 95%;
    border-bottom: .2rem solid
    rgba(0,0,0,.3);
    margin:0 auto;
}
```

```
.heading span{
    font-size: 2rem;
    padding:1rem 6rem;
    color:#fff;
    background:var(--blue);
    border-top-right-radius: 3rem;
    display: inline-block;
}
```

```
header .header-1, header .header-2{
    display: flex;
    align-items: center;
    justify-content: space-between;
    padding:1.5rem;
    width: 100%;
    z-index: 1000;
}
```

```
header .header-1 .logo{
    font-size: 2rem;
    color:#666;
}
```

```
header .header-1 .logo i{
```

```
    color:var(--blue);  
}
```

```
header .header-1 .form-container  
form{  
    display: flex;  
}
```

```
header .header-1 .form-container  
form #search{  
    height: 4rem;  
    width: 50rem;  
    outline: none;  
    border:.2rem solid #666;  
    font-size: 1.5rem;  
    padding:0 1rem;  
}
```

```
header .header-1 .form-container  
form #search:focus{  
    border-color: var(--blue);  
}
```

```
header .header-1 .form-container  
form label{  
    height: 4rem;  
    width: 5rem;  
    text-align: center;  
    line-height: 4rem;  
    font-size: 2rem;  
    cursor: pointer;  
    background: var(--blue);  
    color:#fff;  
}
```

```
header .header-1 .form-container  
form label:hover{  
    color:yellow;  
}
```

```
header .header-2{  
    background:var(--blue);  
}
```



```
header .header-2 .navbar ul{  
    list-style: none;  
    display: flex;  
    align-items: center;  
    justify-content: space-between;  
}
```

```
header .header-2 .navbar ul li{  
    margin:0 1rem;  
}
```

```
header .header-2 .navbar ul li a{  
    font-size: 2rem;  
    color:#fff;  
}
```

```
header .header-2 .navbar ul li a.active,  
header .header-2 .navbar ul li a:hover{  
    color:yellow;  
}
```

```
header .header-2 .icons a{  
    color: #fff;  
    font-size: 2rem;  
    padding: 0 1rem;  
}
```

```
header .header-2 .icons a:hover{  
    color:yellow;  
}
```

```
header .header-2 #menu{  
    font-size: 3rem;  
    color:#fff;  
    cursor: pointer;  
    display: none;  
}
```

```
header .header-2.header-active{  
    position: fixed;  
    top:0; left: 0;  
    box-shadow: 0 .1rem .3rem
```

```
rgba(0,0,0,.3);  
}
```

```
.home .home-slider .item{  
    position: relative;  
}
```

```
.home .home-slider .item img{  
    height: 100vh;  
    object-fit: cover;  
    width: 100%;  
}
```

```
.home .home-slider .item .content{  
    position: absolute;  
    top:50%; left: 5%;  
    transform: translateY(-50%);  
}
```

```
.home .home-slider .item .content h3{  
    color:#fff;  
    text-shadow: 0 .3rem .5rem #000;  
    font-size: 5rem;  
    text-transform: uppercase;  
}
```

```
.home .home-slider .item .content p{  
    color:#fff;  
    font-size: 2.5rem;  
    padding:2rem 0;  
    width: 50rem;  
}
```

```
.home .owl-carousel .owl-prev, .home  
.owl-carousel .owl-next{  
    position: absolute;  
    top:50%;  
    transform: translateY(-50%);  
    outline: none;  
}
```

```
.home .owl-carousel .owl-prev{  
    left: 1.3rem;;
```

```
}
```

```
.home .owl-carousel .owl-next{  
  right:1.3rem;;  
}
```

```
.home .owl-carousel .owl-prev span,  
.home .owl-carousel .owl-next span{  
  color:#fff;  
  font-size: 7rem;  
}
```

```
.arrival{  
  min-height: 100vh;  
}
```

```
.arrival .box-container{  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  flex-wrap: wrap;  
  padding:2rem 0;  
  width: 85%;  
  margin:0 auto;  
}
```

```
.arrival .box-container .box{  
  flex:1 1 30rem;  
  border:.1rem solid rgba(0,0,0,.3);  
  overflow: hidden;  
  position: relative;  
  margin:1rem 2rem;  
}
```

```
.arrival .box-container .box .image{  
  height: 20rem;  
  padding:2rem;  
  text-align: center;  
  background:#f0f0f0;  
}
```

```
.arrival .box-container .box .image  
img{
```

```
    height: 100%;  
    object-fit: cover;  
}
```

```
.arrival .box-container .box .info h3{  
    padding:1rem;  
    font-size: 2rem;  
    color:var(--blue);  
}
```

```
.arrival .box-container .box .info  
.subInfo{  
    display: flex;  
    align-items: center;  
    justify-content: space-between;  
    padding:1rem;  
    border-top: .1rem solid  
    rgba(0,0,0,.3);  
}
```

```
.arrival .box-container .box .info  
.subInfo .price{  
    color:#ff3300;  
    font-size: 2rem;  
}
```

```
.arrival .box-container .box .info  
.subInfo .price span{  
    color:#666;  
    font-size: 1.5rem;  
    text-decoration: line-through;  
}
```

```
.arrival .box-container .box .info  
.subInfo .stars i{  
    color:orange;  
    font-size: 1.5rem;  
}
```

```
.arrival .box-container .box .overlay{  
    position: absolute;  
    top:0; left: 0;  
    height:20rem;
```

```
width: 100%;  
background:rgba(0,0,0,.3);  
display: flex;  
align-items: center;  
justify-content: center;  
transform: scale(0);  
}
```

```
.arrival .box-container .box:hover  
.overlay{  
  transform: scale(1);  
}
```

```
.arrival .box-container .box .overlay a{  
  font-size: 2rem;  
  padding:1.5rem 2rem;  
  background:#fff;  
  color:#666;  
  margin:1rem;  
  transform: translateY(-15rem);  
  transition-delay: calc(.1s * var(--i));  
}
```

```
.arrival .box-container .box:hover  
.overlay a{  
  transform: translateY(0rem);  
}
```

```
.arrival .box-container .box .overlay  
a:hover{  
  color:var(--blue);  
}
```

```
.feature{  
  min-height: 100vh;  
  background:linear-gradient(165deg,  
#fff 50%, var(--blue) 50.1%);  
  padding-bottom: 2rem;  
}
```

```
.feature .row{  
  display: flex;  
  align-items: center;
```

```
    justify-content: center;
    flex-wrap: wrap;
    padding: 2rem 0;
    margin: 3rem auto;
    width: 95%;
    background: #fff;
    box-shadow: 0 .3rem .5rem
    rgba(0,0,0,.3);
    border-radius: 1rem;
}
```

```
.feature .row .image-container{
    display: flex;
    align-items: center;
}
```

```
.feature .row .image-container .big-
image img{
    height: 30rem;
    margin: 2rem 0;
    filter: drop-shadow(0 .1rem .5rem
    #000);
}
```

```
.feature .row .image-container .small-
image{
    display: flex;
    justify-content: center;
    flex-flow: column wrap;
}
```

```
.feature .row .image-container .small-
image img{
    height: 6rem;
    padding: 1rem;
    margin: 1rem;
    border: .1rem solid #666;
    cursor: pointer;
}
```

```
.feature .row .image-container .small-
image img.image-active,
.feature .row .image-container .small-
```

```
image img:hover{  
  border:.2rem solid var(--blue);  
}
```

```
.feature .row .content{  
  padding-left: 6rem;  
}
```

```
.feature .row .content h3{  
  font-size: 4rem;  
  color:var(--blue);  
}
```

```
.feature .row .content .stars i{  
  font-size: 2rem;  
  color:orange;  
  padding: 1rem 0;  
}
```

```
.feature .row .content .stars span{  
  font-size: 2rem;  
  color:#666;  
}
```

```
.feature .row .content p{  
  color:#333;  
  width: 40rem;  
  font-size: 2rem;  
  padding: 2rem 0;  
}
```

```
.feature .row .content .price{  
  color:#ff3300;  
  font-size: 2rem;  
}
```

```
.feature .row .content .price span{  
  color:#666;  
  text-decoration: line-through;  
  font-size: 1.5rem;  
}
```

```
.feature .row .content .btn{
```

```
    margin-left: 2rem;  
}
```

```
.gallery{  
    min-height: 100vh;  
}
```

```
.gallery .controls{  
    display: flex;  
    align-items: center;  
    justify-content: center;  
    flex-wrap: wrap;  
    padding: 1.5rem 0;  
    list-style: none;  
}
```

```
.gallery .controls .btn{  
    margin: 2rem;  
    line-height: 4rem;  
    text-align: center;  
    box-shadow: 0 .3rem .5rem  
    rgba(0,0,0,.3);  
}
```

```
.gallery .controls .btn.button-active{  
    background: #333;  
}
```

```
.gallery .image-container{  
    display: flex;  
    align-items: center;  
    justify-content: center;  
    flex-wrap: wrap;  
}
```

```
.gallery .image-container .box{  
    display: flex;  
    align-items: center;  
    justify-content: center;  
    margin: 2rem;  
    border: .1rem solid rgba(0,0,0,.3);  
    flex: 1 1 30rem;  
}
```



```
.gallery .image-container .box .image{  
    height:12rem;  
    width: 20rem;  
    text-align: center;  
    padding:1rem;  
    background: #f0f0f0;  
}
```

```
.gallery .image-container .box .image  
img{  
    height: 100%;  
    width: 100%;  
    object-fit: cover;  
}
```

```
.gallery .image-container .box:hover  
.image{  
    background:#ccc;  
}
```

```
.gallery .image-container .box .info{  
    width: 100%;  
}
```

```
.gallery .image-container .box .info  
h3{  
    font-size: 2rem;  
    color:var(--blue);  
    padding:1rem;  
}
```

```
.gallery .image-container .box .info  
.subInfo{  
    display: flex;  
    align-items: center;  
    justify-content: space-between;  
    border-top: .1rem solid  
    rgba(0,0,0,.3);  
    padding:1rem;  
}
```

```
.gallery .image-container .box .info
```

```
.subInfo .price{
  color:#ff3300;
  font-size: 2rem;
}
```

```
.gallery .image-container .box .info
.subInfo .stars i{
  color:orange;
  font-size: 1.5rem;
}
```

```
.deal{
  min-height: 100vh;
}
```

```
.deal .box-container{
  display: flex;
  align-items: center;
  justify-content: center;
  flex-wrap: wrap;
}
```

```
.deal .box-container .box{
  flex:1 1 40rem;
  height: 25rem;
  margin:2rem;
  border-radius: 1rem;
  overflow: hidden;
  position: relative;
  box-shadow: 0 .3rem .5rem
  rgba(0,0,0,.3);
}
```

```
.deal .box-container .box img{
  height: 100%;
  width: 100%;
  object-fit: cover;
}
```

```
.deal .box-container .box .content{
  position: absolute;
  top:55%; left: 3rem;
  transform:translateY(-50%);
```

```
}
```

```
.deal .box-container .box .content h3{  
  font-size: 3.5rem;  
  color:#fff;  
  text-shadow: 0 .3rem .5rem  
  rgba(0,0,0,.3);  
}
```

```
.deal .box-container .box .content p{  
  font-size: 2rem;  
  color:#fff;  
}
```

```
.deal .box-container .box .content  
.btn{  
  margin:1.4rem 0;  
}
```

```
.deal .icons-container{  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  padding: 1rem;  
  flex-wrap: wrap;  
}
```

```
.deal .icons-container .icons{  
  flex:1 1 25rem;  
  padding:1rem;  
  margin:1rem;  
  text-align: center;  
  border:.2rem solid var(--blue);  
}
```

```
.deal .icons-container .icons i{  
  color:var(--blue);  
  font-size: 4rem;  
  padding:1rem 0;  
}
```

```
.deal .icons-container .icons h3{  
  color:#333;
```

```
    font-size: 2rem;
}
```

```
.deal .icons-container .icons p{
    color:#666;
    font-size: 1.3rem;
    padding:1rem 0;
}
```

```
.newsletter{
    background:linear-gradient(var(--
blue),var(--blue)),
url(../images/deal1.jpg) no-repeat;
    background-blend-mode: multiply;
    background-size: cover;
    background-position: center;
    background-attachment: fixed;
    padding:4rem 1rem;
    text-align: center;
}
```

```
.newsletter h1{
    color:#fff;
    font-size: 4rem;
}
```

```
.newsletter p{
    color:#fff;
    font-size: 2rem;
    padding:1rem 0;
}
```

```
.newsletter form{
    height:5.5rem;
    max-width: 60rem;
    margin:0 auto;
    padding:0 1rem;
    display: flex;
    align-items: center;
    justify-content: space-between;
    border-radius: 5rem;
    background:rgba(0,0,0,.3);
}
```

```
.newsletter form input[type="email"]{  
  height: 100%;  
  width: 80%;  
  padding:0 1rem;  
  outline: none;  
  border:none;  
  background:none;  
  font-size: 2rem;  
  color:#fff;  
}
```

```
.newsletter form input[type="submit"]{  
  border-radius: 5rem;  
}
```

```
.footer .box-container{  
  display: flex;  
  justify-content: center;  
  flex-wrap: wrap;  
}
```

```
.footer .box-container .box{  
  flex:1 1 25rem;  
  margin:2rem;  
}
```

```
.footer .box-container .box .logo{  
  font-size: 2.5rem;  
  color:#333;  
}
```

```
.footer .box-container .box i{  
  color:var(--blue);  
}
```

```
.footer .box-container .box p{  
  font-size: 1.7rem;  
  padding:1rem 0;  
  color:#666;  
}
```

```
.footer .box-container .box h3{
```

```
    font-size: 2.5rem;  
    color:var(--blue);  
}
```

```
.footer .box-container .box:nth-  
child(2){  
    text-align: center;  
}
```

```
.footer .box-container .box:nth-  
child(2) a{  
    display: block;  
    font-size: 2rem;  
    padding:.4rem 0;  
    color:#666;  
}
```

```
.footer .box-container .box:nth-  
child(2) a:hover{  
    text-decoration: underline;  
}
```

```
.footer .credit{  
    text-align: center;  
    width: 85%;  
    margin:0 auto;  
    padding:1.4rem 0;  
    border-top: .1rem solid  
    rgba(0,0,0,.3);  
    color:#666;  
    font-size: 2rem;  
  
    padding-bottom: 5rem;  
}
```

```
.footer .credit span{  
    color:var(--blue);  
}
```

```
/* media queries */

@media (max-width:768px){

    html{
        font-size: 55%;
    }

    header .header-1 .form-container
form #search{
        width: 100%;
    }

    header .header-2 #menu{
        display: block;
    }

    header .header-2 .navbar{
        position: fixed;
        top: -200rem; left: 50%;
        transform: translate(-50%, -50%);
        box-shadow: 0 0 0 100vh
        rgba(0,0,0,.3);
        z-index: 10000;
        opacity: 0;
    }

    header .header-2 .navbar ul{
        flex-flow: column;
```

```
        background: linear-gradient(var(--
blue), blueviolet);
        border:.2rem solid #fff;
        box-shadow: 0 .3rem .5rem #000;
        padding:4rem 0;
        width: 27rem;
    }
```

```
header .header-2 .navbar ul li{
    width: 100%;
    margin:1rem 0;
    text-align: center;
}
```

```
header .header-2 .navbar ul li a{
    font-size: 2.5rem;
    display: block;
}
```

```
.fa-times{
    transform: rotate(180deg);
}
```

```
header .header-2 .nav-toggle{
    top:50%;
    opacity: 1;
}
```

```
.arrival .box-container{
    width: auto;
}
```

```
}
```

```
@media (max-width:600px){
```

```
    html{
        font-size: 50%;
    }
```

```
    .home .home-slider .item .content
h3{
        font-size: 3rem;
```



```

    }

    .home .home-slider .item .content
p{
    font-size: 2rem;
    width: auto;
}

.feature .row .image-container{
    flex-flow: column wrap;
}

.feature .row .image-container
.small-image{
    flex-flow: row wrap;
    padding-bottom: 2rem;
}

.feature .row .content{
    padding:2rem;
    border-top: .1rem solid
rgba(0,0,0,.3);
}

.feature .row .content p{
    width: auto;
}

.feature .row .content .btn{
    margin: 2rem 0;
}

}

```

```

@media (max-width:400px){

```

```

    html{
        font-size: 45%;
    }

```

```

    header .header-1{
        flex-flow: column;
    }

```

```
        padding:1rem;
    }

    header .header-1 .logo{
        padding-bottom: 1.5rem;
    }
}
```

## VP.JS:

```
$(document).ready(function(){
```

```
    $('#menu').click(function(){
        $(this).toggleClass('fa-times');
        $('.navbar').toggleClass('nav-toggle');
    });
```

```
$(window).on('scroll load',function(){
```

```
    $('#menu').removeClass('fa-times');
    $('.navbar').removeClass('nav-toggle');
```

```
    if($(window).scrollTop() > 68){
        $('header .header-2').addClass('header-active');
    }else{
        $('header .header-2').removeClass('header-active');
    }
}
```

```
$('.section').each(function(){
```

```
    let height = $(this).height();
```

```
    let offset = $(this).offset().top - 200;
```

```
    let top = $(window).scrollTop();
```

```
    let id = $(this).attr('id');
```

```
    if(top >= offset && top < offset + height){
```

```
        $('.navbar ul li a').removeClass('active');
```

```
        $('.navbar').find('[href="#${id}"]').addClass('active');
```

```
    }
```

```
});
```

```
});
```

```
$('.home-slider').owlCarousel({
```

```
    items:1,
```

```
    nav:true,
```

```
    dots:false,
```

```
    autoplay:true,
```

```
    autoplayTimeout:8000,
```

```
    loop:true
```

```
});
```

```
$('.small-image img').click(function(){

    $(this).addClass('image-active').siblings().removeClass('image-active');
    let image = $(this).attr('src');
    $('.big-image img').attr('src', image);

});
```

```
$('.gallery .btn').click(function(){

    let filter = $(this).attr('data-filter');
    if(filter == 'all'){
        $('.gallery .box').show(400);
    }else{
        $('.gallery .box').not('.'+filter).hide(200);
        $('.gallery .box').filter('.'+filter).show(400);
    }

    $(this).addClass('button-active').siblings().removeClass('button-active');

});

});
```

**SIGNUP.HTML:**

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="UTF-8">

    <link rel="stylesheet" href="style2.css">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>

    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>

    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.j
s" integrity="sha384-
UO2eT0CpHqdsJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dl
HNDz0W1" crossorigin="anonymous"></script>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.j
s" integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIlly6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jR
M" crossorigin="anonymous"></script>

    <div class="container">
      <div class="title">Registration</div>
      <div class="content">
```

```
<form name="myForm" action="" onsubmit="return validateForm()"
method="post">
  <div class="user-details">
    <div class="input-box">
      <span class="details">Full Name</span>
      <input type="text" name = "fname" placeholder="Enter your name"
required>
    </div>
    <div class="input-box">
      <span class="details">Username</span>
      <input type="text" name = "fname" placeholder="Enter your
username" required>
    </div>
    <div class="input-box">
      <span class="details">Email</span>
      <input type="text" name = "fname" placeholder="Enter your email"
required>
    </div>
    <div class="input-box">
      <span class="details">Phone Number</span>
      <input type="text" name = "fname" placeholder="Enter your number"
required>
    </div>
    <div class="input-box">
      <span class="details" >Password</span>
      <input type="text" name = "fname" placeholder="Enter your
password" required>
```

```
</div>
<div class="input-box">
  <span class="details">Confirm Password</span>
  <input type="text" name="fname" placeholder="Confirm your
password" required>
</div>
</div>
<div class="gender-details">
  <input type="radio" name="gender" id="dot-1">
  <input type="radio" name="gender" id="dot-2">
  <input type="radio" name="gender" id="dot-3">
  <span class="gender-title">Gender</span>
  <div class="category">
    <label for="dot-1">
      <span class="dot one"></span>
      <span class="gender">Male</span>
    </label>
    <label for="dot-2">
      <span class="dot two"></span>
      <span class="gender">Female</span>
    </label>
    <label for="dot-3">
      <span class="dot three"></span>
      <span class="gender">Prefer not to say</span>
    </label>
  </div>
```

```
</div>
<a href = "registration.html">
  <div class="button">
    <input type="submit" value="Register">
  </div>
  </a>
</div>
  <p>Already have an account? <a href="registration.html"
target="_blank">Login here</a></p>
</form>
</div>
</div>
<script src = "validation.js"></script>
</body>
</html>
```

## REGISTRATION.HTML:

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
```



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

```
<!-- Bootstrap CSS -->
```

```
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2
MZw1T" crossorigin="anonymous">
```

```
<title>userlogin</title>
```

```
<style>
```

```
*{
```

```
    margin: 0;
```

```
    padding: 0;
```

```
    box-sizing: border-box;
```

```
}
```

```
body {
```

```
    background-color: #42FF01;
```

```
}
```

```
.row{
```

```
    background-color: white;
```

```
    border-radius: 30px;
```

```
    box-shadow: 12px 12px 22px grey;
```

```
}
```

```
img{
```

```
border-top-left-radius: 30px;  
border-bottom-left-radius: 30px;  
}
```

```
.btn1{  
border: none;  
outline: none;  
height: 50px;  
width: 100%;  
background-color: black;  
color: white;  
border-radius: 4px;  
font-weight: bold;  
}
```

```
.btn1:hover{  
background-color: white;  
border: 1px solid;  
color : black;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"  
integrity="sha384-  
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
```

izo" crossorigin="anonymous"></script>

```
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js" integrity="sha384-UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dlHNDz0W1" crossorigin="anonymous"></script>
```

```
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js" integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzlxFDsf4x0xIM+B07jRM" crossorigin="anonymous"></script>
```

<section class="Form my-4 mx-5">

<div class="container">

<div class="row no-gutters">

<div class="col-lg-5">



</div>

<div class="col-lg-7 px-5 py-5">

<h1 class = "font-weight-bold py-3">USER LOGIN PAGE</h1>

<h4>Login to your Account</h4>

<form name="myForm" action="" onsubmit="return validateForm()" method="post">

<div class="form-row">

<div class="col-lg-7">

<input type="email" name="fname" placeholder="Email

Address" class="form-control my-3 p-4" required>

</div>

</div>

<div class="form-row">

<div class="col-lg-7">

<input type="password" name="fname"  
placeholder="\*\*\*\*\*" class="form-control my-3 p-4" required>

</div>

</div>

<div class="form-row">

<div class="col-lg-7">

<a href = "viewproducts.html">

<input type="submit" class="btn1 mt-3 mb-5" value =  
"Login"></input>

</a>

</div>

</div>

<a href="forgotpass.html" target="\_blank">Forgot  
Password?</a>

<p>Dont have a account? <a href="signup.html"  
target="\_blank">Register here</a></p>

</form>

</div>

</div>

</div>

```
</div>
</section>

<script src = "validation.js"></script>
</body>
</html>
```

## **FORGOTPASS.HTML:**

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.mi
n.css" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2
MZw1T" crossorigin="anonymous">

    <title>forgotpassword</title>
```

```
<style>
  *{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
  }
  body {
    background-color: #42FF01;
  }
  .row{
    background-color: white;
    border-radius: 30px;
    box-shadow: 12px 12px 22px grey;
  }
  img{
    border-top-left-radius: 30px;
    border-bottom-left-radius: 30px;
  }
  .btn1{
    border: none;
    outline: none;
    height: 50px;
    width: 100%;
    background-color: black;
    color: white;
```

```
        border-radius: 4px;
        font-weight: bold;
    }
    .btn1:hover{
        background-color: white;
        border: 1px solid;
        color : black;
    }
</style>
```

```
</head>
```

```
<body>
```

```
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
```

```
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.j
s" integrity="sha384-
UO2eT0CpHqdSJK6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dl
HNDz0W1" crossorigin="anonymous"></script>
```

```
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.j
s" integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIlly6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jR
M" crossorigin="anonymous"></script>
```

```
<section class="Form my-4 mx-5">
  <div class="container">
    <div class="row no-gutters">
      <div class="col-lg-5">
        
      </div>
      <div class="col-lg-7 px-5 py-5">
        <h3 class = "font-weight-bold py-3">FORGOT PASSWORD?</h3>

        <form name="myForm" action="" onsubmit="return
        validateForm()" method="post">
          <div class="form-row">
            <div class="col-lg-7">
              <input type="email" name="fname" placeholder="Email
              Address" class="form-control my-3 p-4" required>

            </div>
          </div>
          <div class="form-row">
            <div class="col-lg-7">
              <input type="password" name="fname" placeholder="new
              password" class="form-control my-3 p-4" required>

              <input type="password" name="fname" placeholder="re-
              enter new password" class="form-control my-3 p-4" required>
            </div>
          </div>
        </form>
      </div>
    </div>
  </div>
</section>
```



```

        </div>
    </div>
    <div class="form-row">
        <div class="col-lg-7">
            <a href = "registration.html">
                <input type="submit" class="btn1 mt-3 mb-5" value =
"Done"></input>
            </a>
        </div>
    </div>

</form>

</div>
</div>
</div>
</div>
</section>
<script src = "validation.js"></script>

</body>
</html>

```

**STYLE2.CSS**

@import

```
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap');
```

```
*{  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
  font-family: 'Poppins', sans-serif;  
}  
  
body{  
  height: 100vh;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  padding: 10px;  
  background-color: #42FF01;  
}  
  
.container{  
  max-width: 700px;  
  width: 100%;  
  background-color: #fff;  
  padding: 25px 30px;  
  border-radius: 5px;  
  box-shadow: 0 5px 10px rgba(0,0,0,0.15);  
}  
  
.container .title{  
  font-size: 25px;
```

```
font-weight: 500;
position: relative;
}
.container .title::before{
  content: "";
  position: absolute;
  left: 0;
  bottom: 0;
  height: 3px;
  width: 30px;
  border-radius: 5px;
  background: linear-gradient(135deg, #71b7e6, #9b59b6);
}
.content form .user-details{
  display: flex;
  flex-wrap: wrap;
  justify-content: space-between;
  margin: 20px 0 12px 0;
}
form .user-details .input-box{
  margin-bottom: 15px;
  width: calc(100% / 2 - 20px);
}
form .input-box span.details{
  display: block;
```

```
font-weight: 500;
margin-bottom: 5px;
}
.user-details .input-box input{
height: 45px;
width: 100%;
outline: none;
font-size: 16px;
border-radius: 5px;
padding-left: 15px;
border: 1px solid #ccc;
border-bottom-width: 2px;
transition: all 0.3s ease;
}
.user-details .input-box input:focus,
.user-details .input-box input:valid{
border-color: #9b59b6;
}
form .gender-details .gender-title{
font-size: 20px;
font-weight: 500;
}
form .category{
display: flex;
width: 80%;
```

```
margin: 14px 0 ;
justify-content: space-between;
}
form .category label{
  display: flex;
  align-items: center;
  cursor: pointer;
}
form .category label .dot{
  height: 18px;
  width: 18px;
  border-radius: 50%;
  margin-right: 10px;
  background: #d9d9d9;
  border: 5px solid transparent;
  transition: all 0.3s ease;
}
#dot-1:checked ~ .category label .one,
#dot-2:checked ~ .category label .two,
#dot-3:checked ~ .category label .three{
  background: #9b59b6;
  border-color: #d9d9d9;
}
form input[type="radio"]{
  display: none;
```

```
}  
form .button{  
    height: 45px;  
    margin: 35px 0  
}  
form .button input{  
    height: 100%;  
    width: 100%;  
    border-radius: 5px;  
    border: none;  
  
    font-size: 18px;  
    font-weight: 500;  
    letter-spacing: 1px;  
    cursor: pointer;  
    transition: all 0.3s ease;  
  
}  
form .button input:hover{  
    /* transform: scale(0.99); */  
    background: linear-gradient(-135deg, #71b7e6, #9b59b6);  
}  
@media(max-width: 584px){  
    .container{  
        max-width: 100%;
```

```
}  
form .user-details .input-box{  
    margin-bottom: 15px;  
    width: 100%;  
}  
form .category{  
    width: 100%;  
}  
.content form .user-details{  
    max-height: 300px;  
    overflow-y: scroll;  
}  
.user-details::-webkit-scrollbar{  
    width: 5px;  
}  
}  
@media(max-width: 459px){  
    .container .content .category{  
        flex-direction: column;  
    }  
}  
.button{  
    border: none;  
    outline: none;  
    height: 50px;
```

```
width: 100%;
background-color: black;
color: white;
border-radius: 4px;
font-weight: bold;
}
.button:hover{
background-color: white;
border: 1px solid;
color : black;
}
```

## VALIDATION.CSS

```
function validateForm() {
    let x = document.forms["myForm"]["fname"].value;
    if (x == "") {
        alert("Please fill out all the required fields");
        return false;
    }
}
```



IMAGES :





## CONCLUSION :

Presently, IoT in fashion isn't just limited to the application of wearables such as Google Glasses or smartwatches, but it also involves the stitching of invisible sensors onto cloth fabrics or utilizing interconnected apparels to perform various functions such as notifying the user about the product's materials, assisting in detecting the product if it's lost or even in facilitating style tips. It has reached to the stage where technology and fashion can be combined to develop clothing that can be used to measure heart rate between workouts, where baby outfits can assess a baby's sleep pattern or where outfits can protect the body skin from any pollution or decay. There is tremendous growth in fashion and retail sector due to which it enhances

customer experience, reduce costs and improve overall performance.