

PROJECT DEVELOPMENT PHASE

SPRINT – 2

DATE	17 NOVEMBER 2022
TEAM ID	PNT2022TMID02427
PROJECT NAME	SMART FASHION RECOMMENDER APPLICATION

PRODUCTS:

Smart Fashion Recommender



Men Maroon Super Slim Fit Casual Shirts

₹ 1299



Men's Full Sleeve Travel Shirt - TRAVEL100
WARM Bordeaux

₹ 1299

```
ecommerce-front-end > front-end > src > containers > ProductListPage > ClothingAndAccessories > index.js > ClothingAndAccessories
1  import React, {useEffect} from "react";
2  import { useDispatch, useSelector } from "react-redux";
3  import { getProductsBySlug } from "../../actions";
4  import Card from "../../components/UI/Card";
5  import { Link } from "react-router-dom";
6  import { Birupee } from "react-icons/bi";
7  import './style.css';
8  import { generatePublicUrl } from "../../urlConfig";
9  const ClothingAndAccessories=(props)=>{
10   const product=useSelector((state)=>state.product);
11   const dispatch=useDispatch();
12   useEffect(()=>{
13     const {match}=props;
14     dispatch(getProductsBySlug(match.params.slug));
15   },[]);
16
17
18   return (
19     <div style={{padding:"10px"}}>
20       <Card style={{
21         boxSizing:"border-box",
22         padding:"10px",
23         display:"flex",
24       }}>
25         (product.products.map((product)=>{
26           <div className="caContainer">
27             <Link
28               className="caImgContainer"
29               to={`/${product.slug}/${product._id}/p`}
30             >
31               <img src={generatePublicUrl (product.productPictures[0].img)}/>
32             </Link>
33             <div>
34               <div className="caProductName">{
35                 product.name}</div>
36               <div className="caProductPrice">
37                 <Birupepee/>
```

```

39         </div>
40     )}
41 </Card>
42 </div>
43 }
44 }
45
46 export default ClothingAndAccessories;

```

ecommerce-front-end > front-end > src > containers > ProductListPage > ClothingAndAccessories > # style.css > .caContainer

```

1  .caContainer {
2    width: 250px;
3  }
4  .caImgContainer {
5    width: 240px;
6    height: 300px;
7    overflow: hidden;
8    position: relative;
9  }
10 .caImgContainer > img {
11   max-width: 100%;
12   max-height: 300px;
13 }
14 .caProductName {
15   font-size: 12px;
16   padding: 10px 0;
17 }
18 .caProductPrice {
19   font-size: 12px;
20   font-weight: 600;
21 }
22

```

mern-back-end > src > controller > JS product.js > createProduct > createProduct > [6] product

```

1
2 const Product=require('../models/product');
3 const shortid=require('shortid');
4 const slugify=require('slugify');
5 const Category=require('../models/category');
6 exports.createProduct=(req,res)->{
7   const{
8     name,price,description,category,quantity,createBy
9   }=req.body;
10  let productPictures=[];
11  if(req.files.length>0)
12  {
13    productPictures= req.files.map(file=>{
14      return {img:file.filename}
15    });
16  }
17  }
18  const product=new Product({
19    createBy:req.user._id,
20    name: name,
21    slug:slugify(name),
22    price,
23    quantity,
24    description,
25    productPictures,
26    category
27  });
28
29
30  product.save((error,product)->{
31    if(error) return res.status(400).json({error});
32    if(product)
33    {
34      res.status(201).json({product});
35    }
36  });
37 };

```

mern-back-end > src > controller > JS product.js > createProduct > createProduct > [0] product

```
37 //
38
39 exports.getProductsBySlug=(req,res)=>{
40   const {slug}=req.params;
41   Category.findOne({slug:slug})
42   .select('_id type')
43   .exec((error,category)=>{
44     if(error)
45     {
46       return res.status(400).json({error});
47     }
48     if(category){
49       Product.find({category:category._id})
50       .exec((error, products) => {
51         if(error)
52         {
53           return res.status(400).json({error});
54         }
55
56         if(category.type){
57           if(products.length>0)
58           { res.status(200).json({
59             products,
60             productsByPrice:{
61               under5k:products.filter(product=>product.price<=500),
62               under10k:products.filter(product=>product.price>500&&product.price<=1000),
63               under15k:products.filter(product=>product.price>1000&&product.price<=1500),
64               under20k:products.filter(product=>product.price>1500&&product.price<=2000),
65               under30k:products.filter(product=>product.price>2000&&product.price<=3000),
66             }
67           });
68         }
69       }
70     }
71   }
72   else{
73     res.status(200).json({products});
74   }
75 }
```

mern-back-end > src > controller > JS product.js > createProduct > createProduct > [0] product

```
81
82 }
83 exports.getProductDetailsById=(req,res)=>{
84   const {productId}=req.params;
85   if(productId){
86     Product.findOne({_id:productId})
87     .exec((error,product)=>{
88       if(error) return res.status(400).json({error});
89
90       if(product){
91         res.status(200).json({product});
92       }
93     });
94   }
95   else{
96     return res.status(400).json({error:'Params required'});
97   }
98 }
99 exports.deleteProductById=(req,res)=>{
100   const {productId}=req.body.payload;
101   if(productId)
102   {
103     Product.deleteOne({_id:productId}).exec((error,result)=>{
104       if(result){
105         res.status(202).json({result});
106       }
107     });
108   }
109   else{
110     res.status(400).json({error:"Params Required"});
111   }
112 }
113 }
```

mern-back-end > src > models > JS product.js > ...

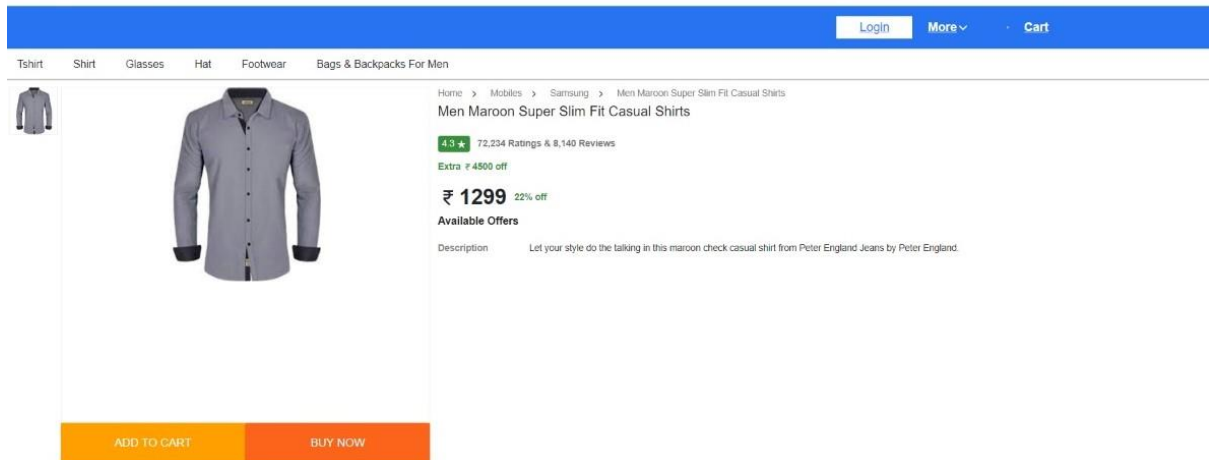
```
1  const mongoose=require('mongoose');
2  const productsSchema=new mongoose.Schema(
3  {
4      name:{
5          type:String,
6          required:true,
7          trim:true,
8      },
9      slug:{
10         type:String,
11         required:true,
12         unique:true,
13     },
14     type:{
15         type:String,
16     },
17     },
18     price:{type:Number,
19     required:true},
20     quantity:{
21         type:Number,
22         required:true
23     },
24     description:{
25         type:String,
26         requird:true,
27         trim:true
28     },
29     offers:{type:Number},
30     productPictures:[
31         {
32             img:{type:String}
33         }
34     ],
35     reviews:[
36         {
37             {
38                 userId:{type:mongoose.Schema.Types.ObjectId, ref:' User'},
39                 review:String
40             }
41         ],
42         category:{type:mongoose.Schema.Types.ObjectId,ref:'Category',required:true},
43         createBy:{type:mongoose.Schema.Types.ObjectId,ref:'User',required:true},
44         updatedAt:Date,
45     },
46     {timestamps:true}
47 );
48 module.exports=mongoose.model("Product",productsSchema);
```

mern-back-end > src > routes > JS product.js > ...

```
1  const express = require("express");
2  //const { } = require('../controller/category');
3  const {requiresignin,adminMiddleware} = require("../common-middleware");
4  const {createProduct,getProductsBySlug, getProductDetailsById} = require("../controller/product");
5  const multer = require("multer");
6  const shortid=require('shortid');
7  const router = express.Router();
8  const path=require('path');
9  const storage=multer.diskStorage({
10     destination:function(req,file,cb){
11         cb(null,path.join(path.dirname(__dirname),'uploads'))
12     },
13     filename:function(req,file,cb){
14         cb(null,shortid.generate()+'-'+file.originalname)
15     }
16 })
17 const upload=multer({storage});
18
19
20
21
22 router.post(
23     "/product/create",
24     requiresignin,
25     adminMiddleware,
26     upload.array("productPicture"),
27     createProduct
28 );
29 router.get('/products/:slug',getProductsBySlug);
30
31 router.get('/product/:productId',getProductDetailsById);
32 module.exports = router;
```

PRODUCT DETAILS:

Smart Fashion Recommender



```
ecommerce-front-end > front-end > src > containers > ProductDetailsPage > JS index.js > [60] ProductDetailsPage
1  import React, { useEffect } from "react";
2  import { useDispatch, useSelector } from "react-redux";
3  import { getProductDetailsById } from "../../actions";
4  import layout from "../../components/Layout";
5  import { IoIosArrowForward, IoIosStar, IoMdCart } from "react-icons/io";
6  import { BiRupee } from "react-icons/bi";
7  import { AiFillThunderbolt } from "react-icons/ai";
8  import { MaterialButton } from "../../components/MaterialUI";
9  import "./style.css";
10
11 import { generatePublicUrl } from "../../urlConfig";
12 import { addToCart } from "../../actions/cart.action";
13 /**
14  * @author
15  * @function ProductDetailsPage
16  */
17
18 const ProductDetailsPage = (props) => {
19   const dispatch = useDispatch();
20   const product = useSelector((state) => state.product);
21
22   useEffect(() => {
23     const { productId } = props.match.params;
24     console.log(props);
25     const payload = {
26       params: {
27         productId,
28       },
29     };
30     dispatch(getProductDetailsById(payload));
31   }, []);
32
33   if (Object.keys(product.productDetails).length === 0) {
34     return null;
35   }
36
37   return (
```

```

38 <Layout>
39   {/ * <div>{product.productDetails.name}</div> */}
40   <div className="productDescriptionContainer">
41     <div className="flexRow">
42       <div className="verticalImageStack">
43         {product.productDetails.productPictures.map((thumb, index) => (
44           <div className="thumbnail">
45             <img src={generatePublicUrl(thumb.img)} alt={thumb.img} />
46           </div>
47         ))}
48       </div>
49       <div className="productDescContainer">
50         <div className="productDescImgContainer">
51           <img
52             src={generatePublicUrl (product.productDetails.productPictures[0].img)}
53             alt={` ${product.productDetails.productPictures[0].img}`}
54           />
55         </div>
56
57         {/ * action buttons */}
58         <div className="flexRow">
59           <MaterialButton
60             title="ADD TO CART"
61             bgColor="#ff9f00"
62             textColor="#ffffff"
63             style={{
64               marginRight: "5px",
65             }}
66             icon={ <IoMdCart /> }
67             onClick={() => {
68               const { _id, name, price } = product.productDetails;
69               const img = product.productDetails.productPictures[0].img;
70               dispatch(addToCart({_id,name,price,img}));

```

```

72       props.history.push(`/cart`);
73     }}
74   </div>
75 </div>
76 <MaterialButton
77   title="BUY NOW"
78   bgColor="#fb641b"
79   textColor="#ffffff"
80   style={{
81     marginLeft: "5px",
82   }}
83   icon={ <AiFillThunderbolt /> }
84 </div>
85 </div>
86 </div>
87 </div>
88 <div>
89   {/ * home > category > subcategory > productName */}
90   <div className="bread">
91     <ul>
92       <li>
93         <a href="#">Home</a>
94         <IoIosArrowForward />
95       </li>
96       <li>
97         <a href="#">Mobiles</a>
98         <IoIosArrowForward />
99       </li>
100      <li>
101        <a href="#">Samsung</a>
102        <IoIosArrowForward />
103      </li>

```



```

104         <li>
105             <a href="#">{product.productDetails.name}</a>
106         </li>
107     </ul>
108 </div>
109 {/ " product description "}
110 <div className="productDetails">
111     <p className="productTitle">{product.productDetails.name}</p>
112     <div>
113         <span className="ratingCount">
114             4.3 <IoIosStar />
115         </span>
116         <span className="ratingNumbersReviews">
117             72,234 Ratings & 8,140 Reviews
118         </span>
119     </div>
120     <div className="extraOffer">
121         Extra <BiRupee />
122         4500 off{" "}
123     </div>
124     <div className="flexRow priceContainer">
125         <span className="price">
126             <BiRupee />
127             {product.productDetails.price}
128         </span>
129         <span className="discount" style={{ margin: "0 10px" }}>
130             22% off
131         </span>
132     {/ " <span>i</span> " /}
133 </div>

```

```

134 <div>
135     <p>
136         style={{
137             color: "#212121",
138             fontSize: "14px",
139             fontWeight: "600",
140         }}
141     >
142         Available Offers
143     </p>
144     <p style={{ display: "flex" }}>
145         <span>
146             style={{
147                 width: "100px",
148                 fontSize: "12px",
149                 color: "#878787",
150                 fontWeight: "600",
151                 marginRight: "20px",
152             }}
153         >
154             Description
155         </span>
156         <span>
157             style={{
158                 fontSize: "12px",
159                 color: "#212121",
160             }}

```

```

161         >
162             {product.productDetails.description}
163         </span>
164     </p>
165 </div>
166 </div>
167 </div>
168 </div>
169 </Layout>
170 </>
171 </>
172
173 export default ProductDetailsPage;

```

ecommerce-front-end > front-end > src > containers > ProductDetailsPage > # style.css > .verticalImageStack

```
1 .productDescriptionContainer {
2   display: flex;
3   box-sizing: border-box;
4   padding: 10px;
5 }
6 .verticalImageStack {
7   width: 67px;
8   display: flex;
9   flex-direction: column;
10 }
11 .thumbnail {
12   width: 63px;
13   height: 63px;
14   border: 1px solid #f0f0f0;
15   overflow: hidden;
16   text-align: center;
17 }
18 .thumbnail img {
19   max-width: 100%;
20   max-height: 100%;
21   object-fit: contain;
22 }
23 .thumbnail.active {
24   border: 2px solid #2874f0;
25 }
26 .productDescContainer {
27   width: 485px;
28 }
29 .productDescImgContainer {
30   width: 485px;
31   height: 440px;
32   overflow: hidden;
33   text-align: center;
34   border: 1px solid #f0f0f0;
35 }
36 .productDescImgContainer > img {
37   max-width: 100%;
```

```
38   max-height: 100%;
39   object-fit: contain;
40 }
41 .breed ul {
42   padding: 0;
43   margin: 0;
44   display: flex;
45   align-items: center;
46 }
47 .breed ul li {
48   list-style: none;
49   margin-right: 5px;
50   display: flex;
51   align-items: center;
52   font-size: 12px;
53 }
54 .breed ul li a {
55   text-decoration: none;
56   color: #777;
57   display: inline-block;
58   font-size: 12px;
59   margin: 0 10px;
60 }
61 .productDetails {
62   margin: 0 10px;
63 }
64 .productDetails .productTitle {
```


ecommerce-front-end > front-end > src > containers > ProductDetailsPage > # style.css > 📁 .verticalImageStack

```
64 .productDetails .productTitle {
65   font-size: 18px;
66   color: #212121;
67   font-weight: 400;
68 }
69 .ratingCount {
70   display: inline-block;
71   background: #388e3c;
72   color: #fff;
73   font-weight: 400;
74   font-size: 12px;
75   border-radius: 3px;
76   padding: 2px 5px;
77 }
78 .ratingNumbersReviews {
79   font-size: 12px;
80   color: #777;
81   font-weight: 600;
82   display: inline-block;
83   margin: 0 10px;
84 }
85 .extraOffer,
86 .discount {
87   color: #388e3c;
88   font-size: 12px;
89   margin: 10px 0px;
90   font-weight: 600;
91 }
92 .priceContainer {
93   align-items: center;
94 }
95 .price {
96   font-size: 28px;
97   font-weight: 600;
98   display: flex;
99   align-items: center;
100 }
```