

Project Title: SkinNiravana

Introduction:

The online shopping SkinNiravana platform is a web application designed to provide users with a seamless online shopping experience related to skin care products. It includes features such as user authentication, product browsing, shopping cart management like creating items(only by admins), updating and deleting items in the cart.

Database Design:

Tables:

Users Table

-Fields: _id (Primary Key), username, password (hashed), email, phone, address

Items Table

-Fields: _id (Primary Key), name, description, value, count, image, type

Carts Table

-Fields: _id (Primary Key), userId, items

MongoDB Data Model:

Users Data Model:

```
[  
 {  
   "_id": ObjectId('6576449110222850cd072085'),  
   "username": "admin",  
   "password": "$2b$10$hv..biAOwVxe700jfpS1e5QdoX./br8blljKk1450k6KApD.pmma",  
   "email": "admin14@gmail.com",  
   "phone": "5125004788",  
   "address": "800 Cecil Dr, Apt 14-103",  
   "__v": 0  
 },  
 {  
   "_id": ObjectId('65764245622067796904f3b5'),  
   "username": "snigdha",  
   "password": "$2b$10$/YhJSeWrzZ19duHanNXmPeZ10EAB1YvhFkanKglobKmZ1hkCr4xci",  
   "email": "snigdhagogineni14@gmail.com",  
   "phone": "5125004511",  
   "address": "800 Cecil Dr, Apt 14-103",  
   "__v": 0
```

```
 }
]
```

Items Data Model:

```
[
  {
    "name": "Snail Mucin",
    "description": "COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml",
    "value": 15,
    "count": 100,
    "image": "images/snailMucin.png",
    "type": "face"
  },
  {
    "name": "Face Serum",
    "description": "Youth To The People 4D Hyaluronic Acid Face Serum",
    "value": 50,
    "count": 200,
    "image": "images/faceSerum.png",
    "type": "face"
  }
]
```

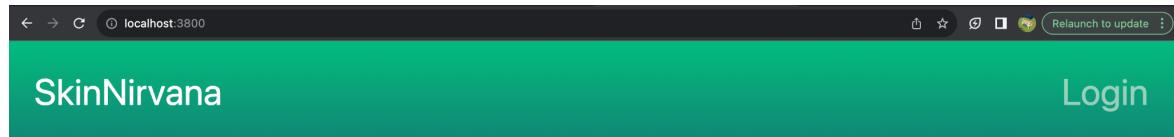
Carts Data model:

```
[
  {
    "_id": ObjectId('6576436a8b843daf1bc11ad2'),
    "userId": "65764245622067796904f3b5",
    "__v": 0,
    "items": Array (3)
  }
]
```

Screenshots for main functionalities:

1.User login:

Users can easily access their accounts through a streamlined login process, prioritising efficiency and security.

A detailed view of the SkinNirvana login form. The form is titled 'Login' at the top. It contains two input fields: 'Username' and 'Password', both with placeholder text. Below the inputs is a blue 'Login' button. At the bottom of the form, there is a link 'New User? Go to Registration page'.

localhost:3800/register

2. User signup:

Our system ensures that each new user is verified, confirming the uniqueness of usernames and email addresses. Our form validation guarantees that mandatory fields are completed, and we prioritise users security by enforcing strong password rules. Passwords are hashed and securely stored in our database.

The screenshot shows a web browser window with multiple tabs open at the top. The active tab is 'localhost:3800/register'. The main content area has a green header bar with 'SkinNirvana' on the left and 'Login' on the right. Below this is a form titled 'Create a New Account'. It contains five input fields: 'snigdhag' (username), '*****' (password), 'snigdhag@gmail.com' (email), '5125004512' (phone number), and '800 Cecil Dr, Apt 14-103' (address). At the bottom of the form are two buttons: 'Register' and 'Already have an account? Go to Login'.

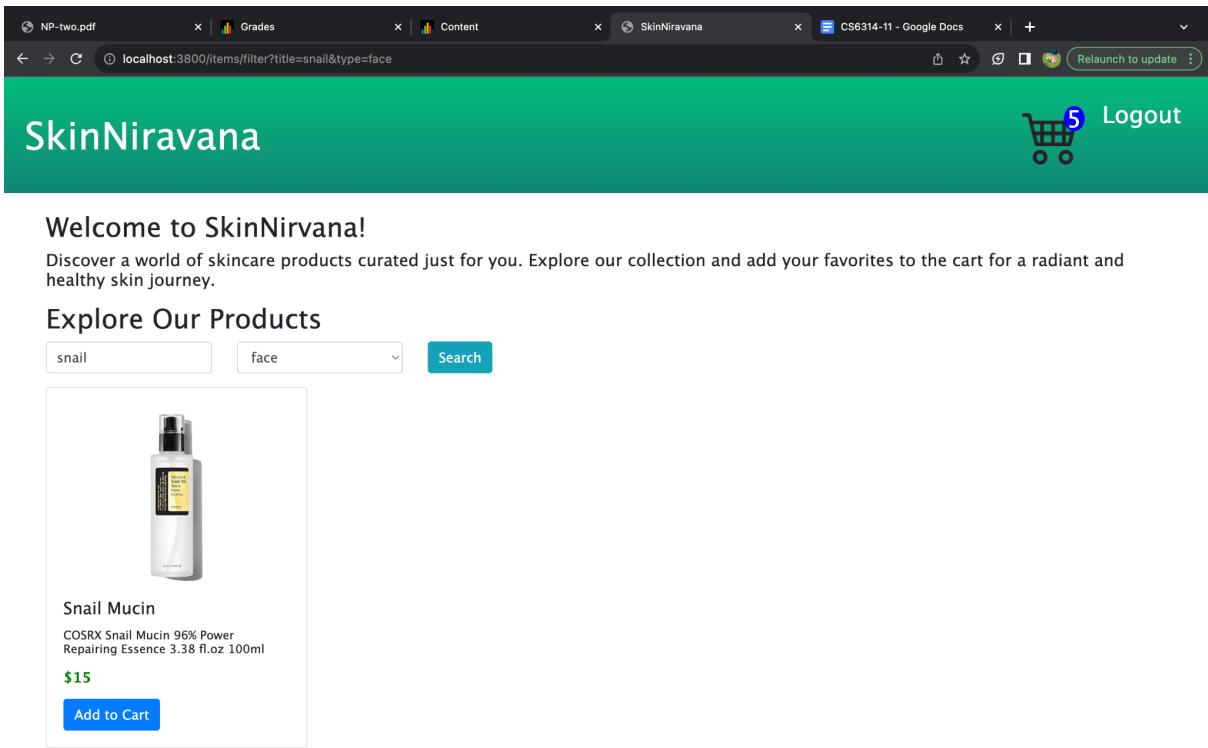
3. Items list:

The screenshot shows a web browser window with multiple tabs open at the top. The active tab is 'localhost:3800/items'. The main content area has a green header bar with 'SkinNirvana' on the left and a shopping cart icon with '5' and 'Logout' on the right. Below this is a welcome message: 'Welcome to SkinNirvana! Discover a world of skincare products curated just for you. Explore our collection and add your favorites to the cart for a radiant and healthy skin journey.' There is a search bar with 'name' and a dropdown menu, followed by a 'Search' button. Below the search bar is a section titled 'Explore Our Products' with a grid of four product cards:

- Snail Mucin**
COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml
\$15
[Add to Cart](#)
- Face Serum**
Youth To The People 4D Hyaluronic Acid Face Serum
\$50
[Add to Cart](#)
- Face Lotion**
Jan Marini Skin Research Bioclear Face Lotion | Glycolic, Salicylic & Azelaic Acid
\$90
[Add to Cart](#)
- Facial Spray**
Mario Badescu Facial Spray with Aloe, Chamomile and Lavender for All Skin Types
\$10
[Add to Cart](#)

4.Search and filter functionality:

Effortlessly find the perfect skincare products with our powerful search and filter capabilities. Narrow down your choices based on specific criteria like face, body and hair, ensuring that you discover products tailored to your unique skin care needs.



The screenshot shows a web browser window with multiple tabs open. The active tab is titled "SkinNirvana" and displays the website's homepage. The URL in the address bar is "localhost:3800/items/filter?title=snail&type=face". The page features a green header with the "SkinNirvana" logo and a shopping cart icon indicating 5 items. Below the header, a welcome message reads "Welcome to SkinNirvana! Discover a world of skincare products curated just for you. Explore our collection and add your favorites to the cart for a radiant and healthy skin journey." A section titled "Explore Our Products" includes a search bar with "snail" and "face" selected, and a "Search" button. A product card for "COSRX Snail Mucin 96% Power Repairing Essence" is displayed, showing a small image of the bottle, the product name, its description ("COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml"), its price (\$15), and a blue "Add to Cart" button.

5.Cart functionalities:

Add your favourite skincare products to your cart as you browse, creating a curated selection that suits your skincare routine. In cart we can also increment or decrement the number of products we want to buy.

localhost:3800/checkout

SkinNirvana

Logout

Cart

COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml 2 \$30

Youth To The People 4D Hyaluronic Acid Face Serum 1 \$50

Total Count: 3

Buy Now

Go back to items

6.Logout:

Logout functionality signs out the user from items page and redirects to login page-

localhost:3800/items

SkinNirvana

Logout

Welcome to SkinNirvana!

Discover a world of skincare products curated just for you. Explore our collection and add your favorites to the cart for a radiant and healthy skin journey.

Explore Our Products

name

Search

Snail Mucin
COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml
\$15
Add to Cart

Face Serum
Youth To The People 4D Hyaluronic Acid Face Serum
\$50
Add to Cart

Face Lotion
Jan Marini Skin Research Bioclear Face Lotion | Glycolic, Salicylic & Azelaic Acid
\$90
Add to Cart

Facial Spray
Mario Badescu Facial Spray with Aloe, Chamomile and Lavender for All Skin Types
\$10
Add to Cart

localhost:3800/logout

7.MongoDb Connection:

We created 3 collections-Users, carts, items as follows-

The screenshot shows the MongoDB Compass interface with the following details:

- Collections View:** Shows three collections:
 - carts**: Storage size 4.10 kB, Documents 0, Avg. document size 0 B, Indexes 1, Total index size 4.10 kB.
 - items**: Storage size 20.48 kB, Documents 10, Avg. document size 196.00 B, Indexes 1, Total index size 36.86 kB.
 - users**: Storage size 20.48 kB, Documents 1, Avg. document size 227.00 B, Indexes 3, Total index size 61.44 kB.
- Database Selection:** The database **wpProjectTeam11** is selected, indicated by a blue border around its name in the left sidebar.
- Bottom Status Bar:** Shows the text >_MONGOSH.

If a new user is registered their data including username, email, phone, address is saved in users collection in mongoDB , which can be seen as follows-

The screenshot shows the MongoDB Compass interface with the following details:

- Documents View:** Shows the **wpProjectTeam11.users** collection with the following data:
 - Document 1:**

```
_id: ObjectId('65764245622067796904f3b5')
username: "snigdha"
password: "$2b$10$VhJSeWrZ19duHnXmPeZ10EAB1YvhFkanKgIobKmZ1hkCr4xc1"
email: "snigdhaogogineni14@gmail.com"
phone: "5125604511"
address: "800 Cecil Dr, Apt 14-103"
__v: 0
```
 - Document 2:**

```
_id: ObjectId('6576449110222850cd072085')
username: "admin"
password: "$2b$10$Shv..biAI0wxe700jfpS1e5QdoX../br8blijKk1450k6KApD.pmma"
email: "admin14@gmail.com"
phone: "5125604788"
address: "800 Cecil Dr, Apt 14-103"
__v: 0
```
 - Document 3:**

```
_id: ObjectId('6576843decca5edcf21f7e72')
username: "snigdha"
password: "$2b$10$MP1E.UHT1g6ND1t1xJceM.l2YQinNzYtAPy7ejP76VI80xJazJrK"
email: "snigdha@gmail.com"
phone: "5125604512"
address: "800 Cecil Dr, Apt 14-103"
__v: 0
```
- Database Selection:** The database **wpProjectTeam11** is selected, indicated by a blue border around its name in the left sidebar.
- Bottom Status Bar:** Shows the text >_MONGOSH.

Any changes made in cart are updated in carts collection-

The screenshot shows the MONGOSH interface with the database 'wp!ProjectTeam11' selected. The 'carts' collection is currently viewed, containing two documents:

```
_id: ObjectId('6576436a0b843daf1bc11ad2')
userId: "65764245622067796904f3b5"
__v: 3
items: Array (2)

_id: ObjectId('65768495ecca5edcf21f7eb3')
userId: "6576843decca5edcf21f7e72"
items: Array (3)
__v: 4
```

Any changes made in items are updated in items collection-

The screenshot shows the MONGOSH interface with the database 'wp!ProjectTeam11' selected. The 'users' collection is currently viewed, containing three documents:

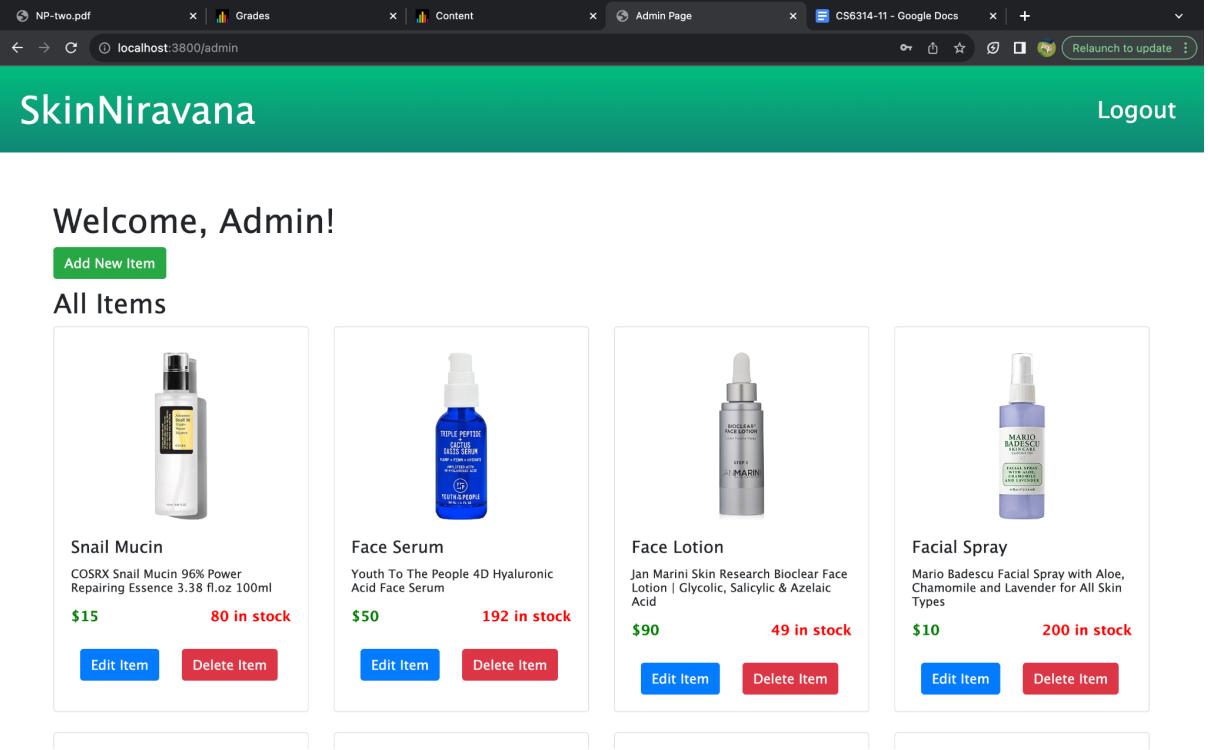
```
_id: ObjectId('65764245622067796904f3b5')
username: "snigdha"
password: "$2b$10$/h35eWrzZ19duHanNxMPeZ18EAB1YvhFkanKgIobKmZ1hkCr4xc1"
email: "snigdhaoginhen1@gmail.com"
phone: "5125604511"
address: "800 Cecil Dr, Apt 14-103"
__v: 8

_id: ObjectId('6576449110222850cd072085')
username: "admin"
password: "$2b$10$hv...biAIowVxe700jfpS1e5QdoX./br8bLIjKk1450k6KAoP.pmma"
email: "admin14@gmail.com"
phone: "5125604788"
address: "800 Cecil Dr, Apt 14-103"
__v: 0

_id: ObjectId('6576843decca5edcf21f7e72')
username: "snigdhag"
password: "$2b$10$MPLE.UMTigNDtIelxJceM.l2YQiNzYtAPyTejP76VI80xJaZ3rK"
email: "snigdhag@gmail.com"
phone: "5125604512"
address: "800 Cecil Dr, Apt 14-103"
__v: 0
```

8.Admin page:

For admins, we provide a comprehensive set of tools for managing the inventory. Create new items, update stock counts and product details, and, when necessary, delete items from the inventory. Each product is thoughtfully associated with high-quality images for a more engaging browsing experience.



The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Admin Page". The main content area displays a list of skincare products under the heading "All Items".

Product Image	Product Name	Price	Stock Level	Action Buttons
	Snail Mucin	\$15	80 in stock	Edit Item Delete Item
	Face Serum	\$50	192 in stock	Edit Item Delete Item
	Face Lotion	\$90	49 in stock	Edit Item Delete Item
	Facial Spray	\$10	200 in stock	Edit Item Delete Item

9)Add new items:

Screenshot of a web browser showing the 'New Item' form at localhost:3800/items/add.

The form fields are as follows:

- Name: estee lauder
- Description: This cream is good for all skin types.
- Stock: 70
- Price: 125
- Image Path: esteelauder
- Add button
- Cancel link

Screenshot of a web browser showing the 'Admin Page' at localhost:3800/admin.

The page displays a grid of items:

Dove Body Wash with Pump Deep Moisture \$10 100 in stock	COSRX Hyaluronic Acid Moisturizing Cream, Long-lasting Hydration \$20 200 in stock	Mighty Patch Original from Hero Cosmetics - Hydrocolloid Acne Pimple Patch for Zits \$20 200 in stock	Mighty Patch Original from Hero Cosmetics - Hydrocolloid Acne Pimple Patch for Zits \$30 50 in stock
 Niacinamide COSRX Niacinamide 15% Face Serum, Minimize Enlarged Pores \$40 80 in stock	 Hair oil MIELLE Mielle rosemary mint growth oil, 2 Ounce \$20 100 in stock	 estee lauder This cream is good for all skin types. \$70 125 in stock	

Logout link is visible in the top right corner.

When a new item is created it is updated back in items collection-

localhost:27017

wplProjectTeam11.items

10 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Indexes Validation

Type a query: { field: 'value' } or [Generate query](#)

[ADD DATA](#) [EXPORT DATA](#)

1 - 11 of 11

[Explain](#) [Reset](#) [Find](#) [Options](#)

[Edit](#) [Preview](#) [Copy](#) [Delete](#)

_id: ObjectId('6576434e23186947eabbfa61')

name: "Niacinamide"
description: "COSRX Niacinamide 15% Face Serum, Minimize Enlarged Pores"
value: 40
count: 80
image: "images/niacinamide.png"
type: "body"

_id: ObjectId('6576434e23186947eabbfa62')

name: "Hair oil"
description: "MIELLE Mielle rosemary mint growth oil, 2 Ounce"
value: 20
count: 100
image: "images/hairOil.png"
type: "hair"

_id: ObjectId('65769bd893eba701f3df30bf')

name: "estee lauder"
description: "This cream is good for all skin types."
value: 70
count: 125
__v: 0

10)Edit items:

localhost:3800/items/6576434e23186947eabbfa59/edit

Update Item

Snail Mucin

COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml

15

70

images/snailMucin.png

[Update](#) [Cancel](#)

NP-two.pdf Grades Content Admin Page CS6314-11 - Google Docs

SkinNiravana

Welcome, Admin!

Add New Item

All Items

 <p>Snail Mucin COSRX Snail Mucin 96% Power Repairing Essence 3.38 fl.oz 100ml \$15 70 in stock</p> <p>Edit Item Delete Item</p>	 <p>Face Serum Youth To The People 4D Hyaluronic Acid Face Serum \$50 192 in stock</p> <p>Edit Item Delete Item</p>	 <p>Face Lotion Jan Marini Skin Research Bioclear Face Lotion Glycolic, Salicylic & Azelaic Acid \$90 49 in stock</p> <p>Edit Item Delete Item</p>	 <p>Facial Spray Mario Badescu Facial Spray with Aloe, Chamomile and Lavender for All Skin Types \$10 200 in stock</p> <p>Edit Item Delete Item</p>
---	--	---	--

When a new item is created it is updated back in items collection(here the count has changed from 80 to 70 for “snail mucin” product)-

localhost:27017

wplProjectTeam11.items

10 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Indexes Validation

Filter Type a query: { field: 'value' } or [Generate query](#)

ADD DATA **EXPORT DATA**

1 - 10 of 10

Items

11)Delete items:

NP-two.pdf | Grades | Content | Admin Page | CS6314-11 - Google Docs | Relaunch to update

SkinNiravana Logout

Dove Body Wash with Pump Deep Moisture \$10 100 in stock Edit Item Delete Item	COSRX Hyaluronic Acid Moisturizing Cream, Long-lasting Hydration \$20 200 in stock Edit Item Delete Item	Mighty Patch Original from Hero Cosmetics - Hydrocolloid Acne Pimple Patch for Zits \$20 200 in stock Edit Item Delete Item	Mighty Patch Original from Hero Cosmetics - Hydrocolloid Acne Pimple Patch for Zits \$30 50 in stock Edit Item Delete Item
 Niacinamide COSRX Niacinamide 15% Face Serum, Minimize Enlarged Pores \$40 80 in stock Edit Item Delete Item	 Hair oil MIELLE Mielle rosemary mint growth oil, 2 Ounce \$20 100 in stock Edit Item Delete Item		

When an item is deleted it is deleted in items collection(when product “estee lauder” is deleted by admin it is deleted in backend as well)as follows-

The screenshot shows the MongoDB Compass interface with the following details:

- Left Sidebar (Databases):** Authentication, Login, admin, local, passport-auth, wp1ProjectTeam11 (selected), carts, items (selected), users.
- Top Bar:** localhost:27017, Documents (wp1ProjectTeam11), +, 10 DOCUMENTS, 1 INDEXES.
- Main Area (wp1ProjectTeam11.items):**
 - Header:** Documents, Aggregations, Schema, Indexes, Validation, Filter, Explain, Reset, Find, Options.
 - Buttons:** ADD DATA, EXPORT DATA.
 - Results:** 1 - 10 of 10. Four documents are listed:
 - _id: ObjectId('6576434e23186947eabbfa60')**
name: "Eye Patch"
description: "Mighty Patch Original from Hero Cosmetics - Hydrocolloid Acne Pimple P..."
value: 30
count: 50
image: "images/eyePatch.png"
type: "face"
 - _id: ObjectId('6576434e23186947eabbfa61')**
name: "Niacinamide"
description: "COSRX Niacinamide 15% Face Serum, Minimize Enlarged Pores"
value: 40
count: 80
image: "images/niacinamide.png"
type: "body"
 - _id: ObjectId('6576434e23186947eabbfa62')**
name: "Hair oil"
description: "MIELLE Mielle rosemary mint growth oil, 2 Ounce"
value: 20
count: 100
image: "images/hairOil.png"
type: "hair"

Team Members:

- 1.Shreya Vishwanath- SXV210046
- 2.Maneesh Reddy Polu- MXP220038
- 3.Snigdha Gogineni- SXG220194
- 4.Dheeraj Chintagumpala- DXC220026
- 5.Chaya Kusi- CXK210030

Work Division:

1. Shreya Vishwanath- Project setup and Github Creation, Backend apis setup for items, cart and users, Filter search functionality frontend, model setup for cart
2. Maneesh Reddy Polu- Items page frontend, items api enhancement backend, Buy now functionality and items count functionality, model setup for item
3. Snigdha Gogineni- Signup page frontend, Signup page backend functionalities, Logout functionality, CSS web pages styling, Mongodb Schema, Project report and Testing.
4. Dheeraj Chintagumpala-Login page frontend, login backend functionalities, items.json creation, Mongodb Schema, Project report, readme file
5. Chaya Kusi-Search-filter functionality advanced, Backend api enhancement for admin side, Cart page frontend, model setup for user

Video link:

Google drive Link:

[Presentation Video](#)

Box drive Link:

<https://utdallas.box.com/s/tlyfgiqo1qcybybjfzez83d5bdbs6mgm>