Lab Task (create your content on contentful. For your shopping Cart website, create the content types for your project. Then, display the shopping item details for your Next. Js application by fetching from content.)

Name: Hamood Ahmed

ID: 022-20-119694 Program: BSCS

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Submission of: Lab Task (Shopping Cart website, create the content types for your project.Display the Shopping item details for your Next.Js application by

fetching from content)

Course Instructor: Miss Kulsoom

Page.tsx Code:

```
"use client";
import { useEffect, useState } from 'react';
import { createClient } from 'contentful';
import Card from '/app/components/Card'; // Adjust the import path as per your project
structure
import '../styles/globals.css';
import about from '/pages/about';
import contact from '/pages/contact';
import CartPage from '/pages/CartPage';
const space = process.env.NEXT_PUBLIC_CONTENTFUL_SPACE_ID;
const accessToken = process.env.NEXT_PUBLIC_CONTENTFUL_ACCESS_KEY;
if (!space || !accessToken) {
 throw new Error('Missing Contentful space ID or access token.');
const client = createClient({
 space,
  accessToken,
});
export default function Page() {
 const [items, setItems] = useState([]);
 const [isLoading, setIsLoading] = useState(true);
 useEffect(() => {
    async function fetchEntries() {
     try {
        const response = await client.getEntries({ content_type: 'cartItems' });
        const assets = await client.getAssets();
        const itemsWithAssets = response.items.map(item => {
          const asset = assets.items.find(asset => asset.sys.id ===
item.fields.image.sys.id);
          return {
            ...item,
            fields: {
```

```
...item.fields,
             image: asset.fields.file.url,
           },
         };
       });
       setItems(itemsWithAssets);
       setIsLoading(false);
     } catch (error) {
       console.error('Error fetching data from Contentful:', error);
       setIsLoading(false);
   fetchEntries();
 }, []);
 return (
   <div className="container">
     {isLoading ? (
       <div className="flex justify-center items-center h-screen">
         <div className="animate-spin rounded-full h-32 w-32 border-t-2 border-b-2 border-</pre>
gray-900"></div>
       </div>
     ) : items.length === 0 ? (
       <div className="flex justify-center items-center h-screen">
         No items to display.
       </div>
      ) : (
       <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4</pre>
xl:grid-cols-5 gap-4">
         {items.map((item) => (
           <Card key={item.sys.id} item={item.fields} />
         ))}
     )}
 );
```

Layout.tsx Code:

_app.tsx Code:

Card.tsx Code:

```
"use client";
import Image from 'next/image';
import React from 'react';
import { useCart } from '/app/components/CartContext';
const Card = ({ item }) => {
 const { addToCart, updateCart, deleteFromCart } = useCart();
 return (
    <div className="border p-4 rounded-lg shadow-lg hover:bg-gray-100">
     <Image src={`https:${item.image}`} alt={item.title} width={200} height={200}</pre>
className="rounded-lg" />
     <h2 className="text-xl font-bold">{item.title}</h2>
      {item.description}
      {item.price}
      <button onClick={() => addToCart(item)} className="bg-blue-500 text-white px-4 py-2
rounded mt-2">Add to Cart</button>
     <button onClick={() => updateCart(item)} className="bg-yellow-500 text-white px-4 py-2
rounded mt-2">Update</button>
      <button onClick={() => deleteFromCart(item.id)} className="bg-red-500 text-white px-4
py-2 rounded mt-2">Delete</button>
```

CartContext.tsx Code:

```
'use client";
import { createContext, useContext, useState } from 'react';
const CartContext = createContext();
export const CartProvider = ({ children }) => {
 const [cart, setCart] = useState([]);
 const addToCart = (item) => {
    setCart([...cart, { ...item, id: cart.length + 1 }]);
  };
  const updateCart = (updatedItem) => {
    setCart(cart.map((item) => item.id === updatedItem.id ? updatedItem : item));
  };
  const deleteFromCart = (itemId) => {
    setCart(cart.filter((item) => item.id !== itemId));
 };
 return (
    <CartContext.Provider value={{ cart, addToCart, updateCart, deleteFromCart }}>
      {children}
    </CartContext.Provider>
  );
};
export const useCart = () => useContext(CartContext);
```

Navbar.tsx Code:

```
);
};
export default Navbar;
```

globals.css Code:

```
@tailwind base;
@tailwind components;
@tailwind utilities;
body {
 font-family: 'Arial', sans-serif;
 background-color: #f8f9fa;
  color: #333;
.container {
 max-width: 1200px;
 margin: 0 auto;
 padding: 20px;
.grid {
 display: grid;
  grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));
  gap: 20px;
.card {
 background-color: #fff;
 border: 1px solid #ddd;
 border-radius: 8px;
 box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
 padding: 20px;
 text-align: center;
  transition: transform 0.2s;
.card:hover {
  transform: scale(1.05);
.card img {
 max-width: 100%;
 height: auto;
 border-radius: 8px;
.card button {
  margin-top: 10px;
```

.env Code:

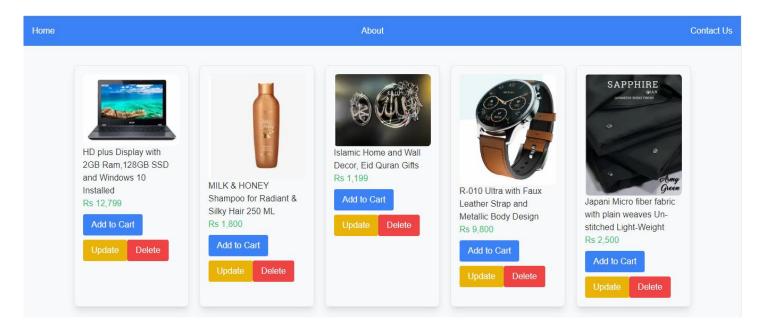
NEXT_PUBLIC_CONTENTFUL_ACCESS_KEY="_fms3XwjH7aapGbsLMTB0Z1BAJwo0G3B7AVHasnw6hM"
NEXT_PUBLIC_CONTENTFUL_SPACE_ID="wy8t4hm14rk1"

Output:

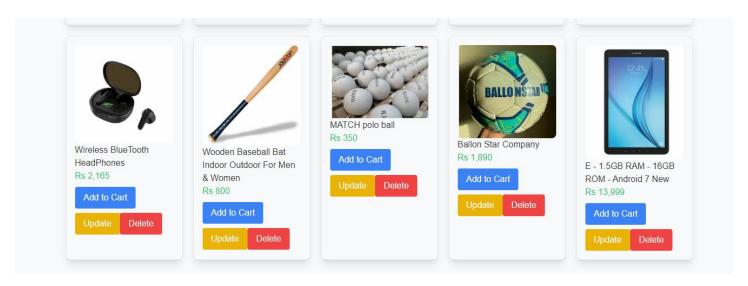
Navbar(Displayed)

Home About Contact Us

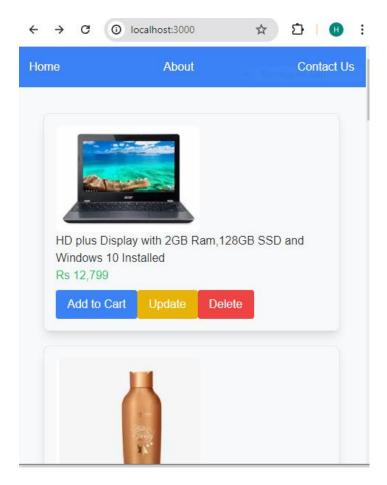
Fully Responsive ShoppingCards(From Contentful Website Data) 1:



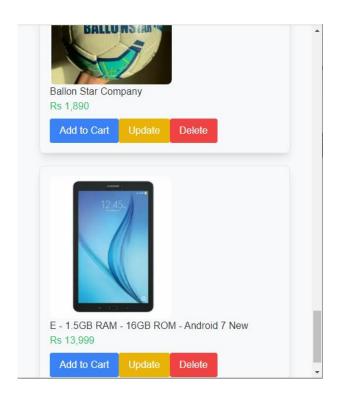
Responsive ShoppingCart of 10 Items(From Contentful Website Data) 2:



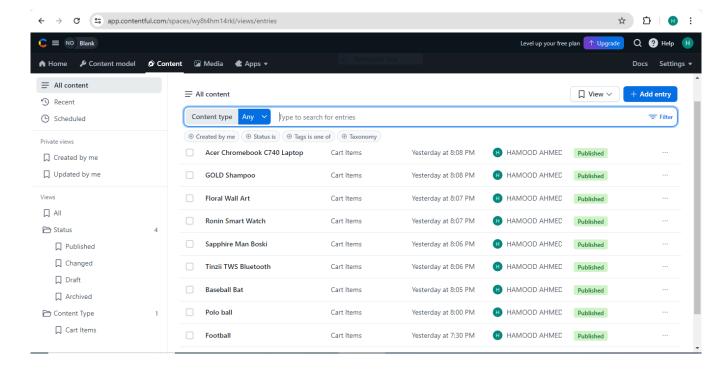
Mobile Responsive (Each Item Displayed):



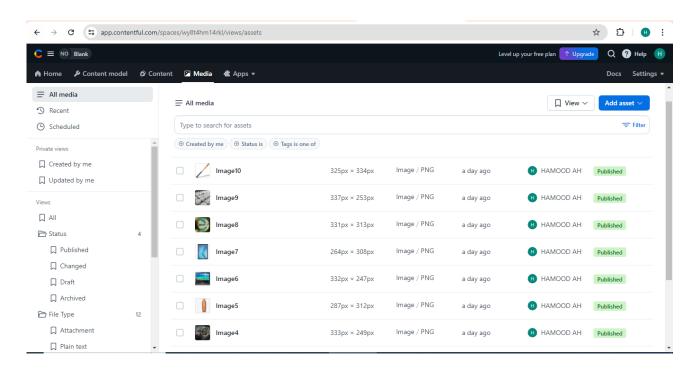
Mobile Responsive (Each Item Displayed on Small Screen):



Data On Contentful Website(Of Items):



Data On Contentful Website(Of Media/Images):



Created Blank Space ("Blank" on Contentful Website):

