FullStack Assignment - 2

Guidelines:

i. **This assignment is mandatory for everyone**

ii. *There will only be a single attempt for each exam and* **no deadline extension in case of assignments**

iii. *Any case of unfair means or* **plagiarism would lead to debarring** *in final placements without any further consideration.*

iv. The assignment solutions should be uploaded on Github and links to Github repository links should be shared with the coach for code review. Make sure to add appropriate comments in code wherever possible.

Problem Statement:

Build a food ordering portal to allows users to place order for their favourite food items as shown in below screenshots:

Main food categories. Open sub category when user clicks on this items.
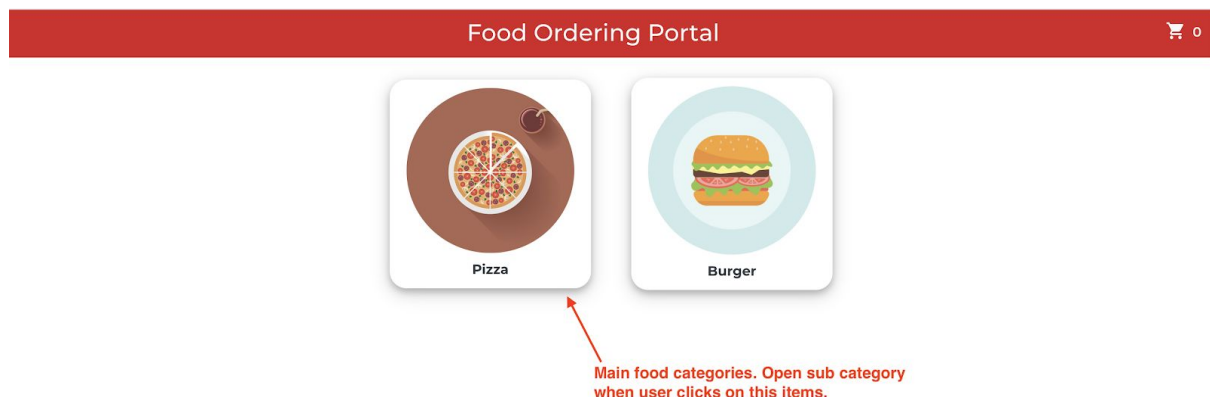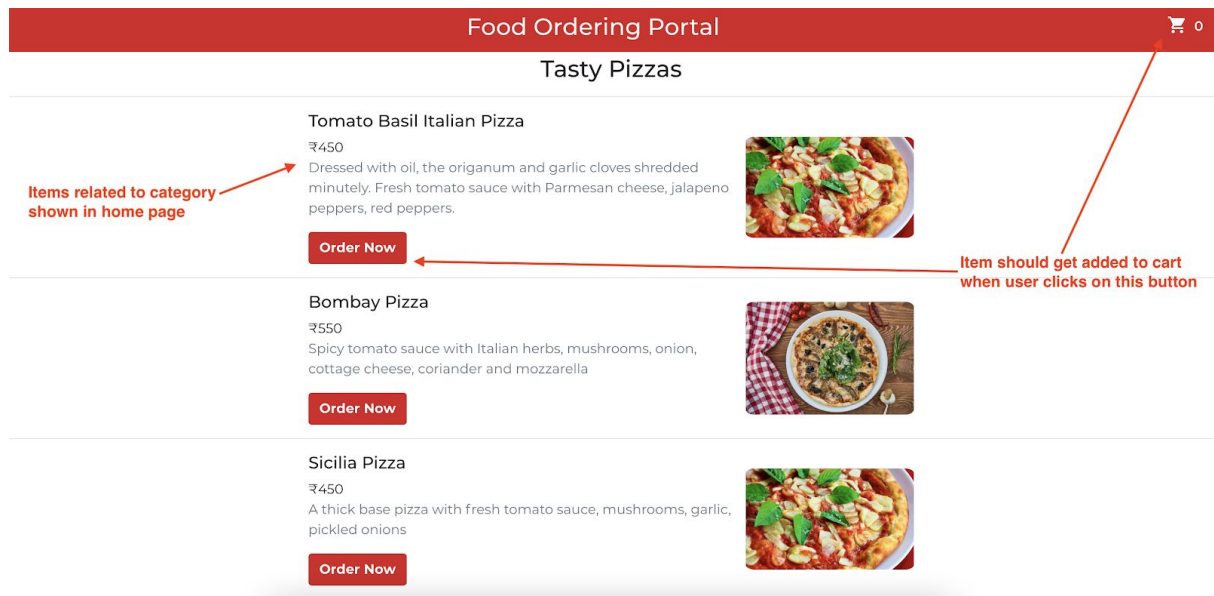
Steps:

Backend API development

Step 1:

For using food related images in our application, you can download them from sites like [Pixabay](#) and then upload the images to [Cloudinary](#) CDN to get image URLs to be used in API response.

Step 2:

Once image URLs are ready, you can build an API which returns food items on the home page and other food items in the sub page.

Sample result returned by the API:

```json
{
    "results": [
        {
            "name": "Pizza",
            "image": "https://res.cloudinary.com/.../pizza_mukcg7.png",
            "subItemsData": {
                "name": "Tasty Pizzas",
                "subItems": [
                    {
                        "name": "Tomato Basil Italian Pizza",
                        "image": "https://res.cloudinary.com/...pizza-1_trloij.jpg",
                        "price": "450",
```

```json
                "description": "Dressed with oil, the origanum and garlic cloves"
            },
            {

                "name": "Bombay Pizza",
                "image": "image-url",
                "price": "550",
                "description": "Spicy tomato sauce with Italian herbs, mushrooms,
 onion, cottage cheese, coriander and mozzarella"
            },
            {
                "name": "Sicilia Pizza",
                "image": "image-url",
                "price": "450",
                "description": "A thick base pizza with fresh tomato sauce,
mushrooms, garlic, pickled onions"
            }
          ]
        }
    },
    {
        "name": "Burger",
        "image": "image-url",
        "subItemsData": {
            "name": "Crispy Burgers",
            "subItems": [
                {
                    "name": "Fried Chicken Burger",
                    "image": "image-url",
                    "price": "450",
                    "description": "Old School Chicken Burger"
                },
                {
                    "name": "Paneer Tikka Burger",
                    "image": "image-url",
                    "price": "450",
                    "description": "Spicy Paneer, Onion, Tomato, Mozerella Cheese"
                },
                {
                    "name": "Chicken Classic Cheese Burger",
                    "image": "image-url",
                    "price": "550",
                    "description": "Aged cheddar, sweet pickle, tomato, red onion"
                }
            ]
        }
    }
  ]
```

Note: The image URLs in the above JSON should be taken from links generated via cloudinary CDN.
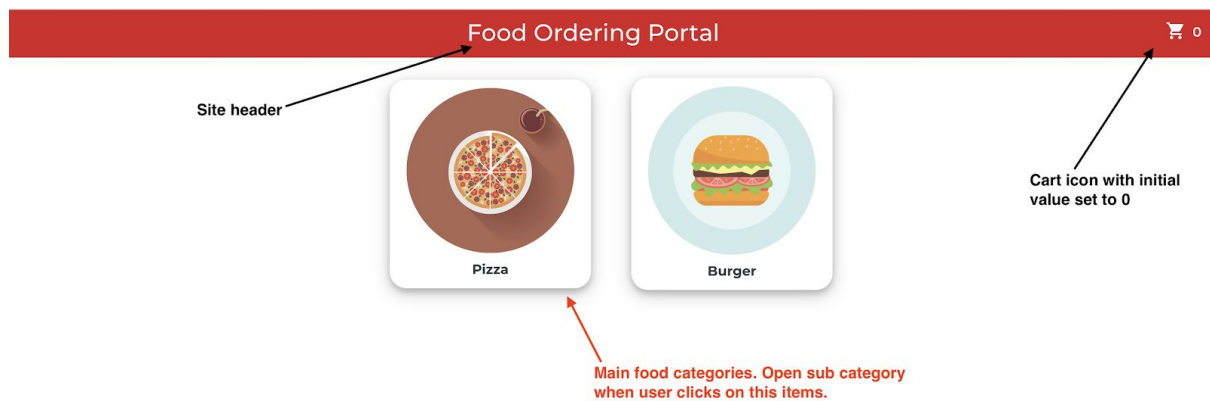
Step 3:

Build APIs to

  a. Add items to a cart
  b. Remove items from the cart
  c. Clear the cart data

Frontend development

Step 1:

Build the homepage of the website where users can see the main categories of food.

There should be a cart icon displayed in the header section as shown below:

Step 2:

When user clicks on any of the main categories on home page, display the below subcategories page:

Each food item should have a title, price, description and image.

When user clicks on `***Order Now***` button on any of the food items, then add the item to a cart and update the cart count in the site Header:-
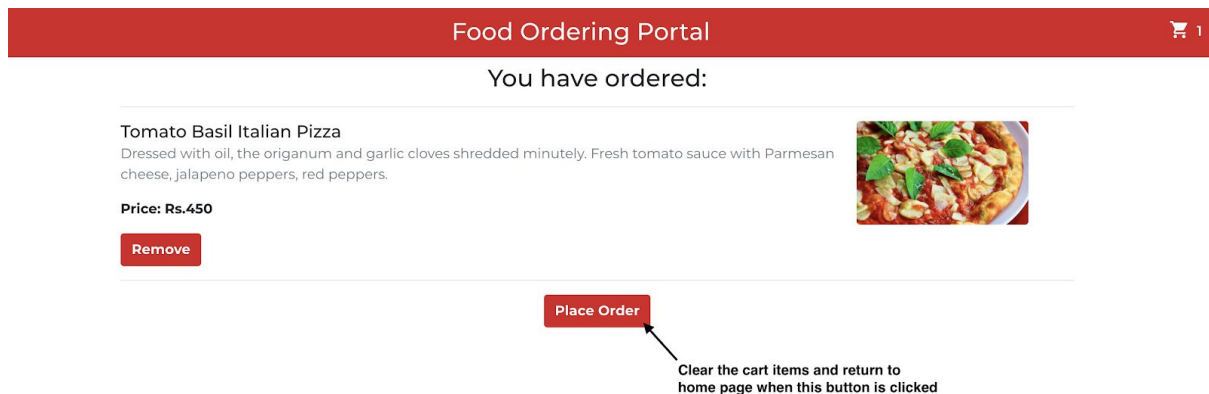
Step 3:

When user clicks on *cart icon* in the site header display the below page:
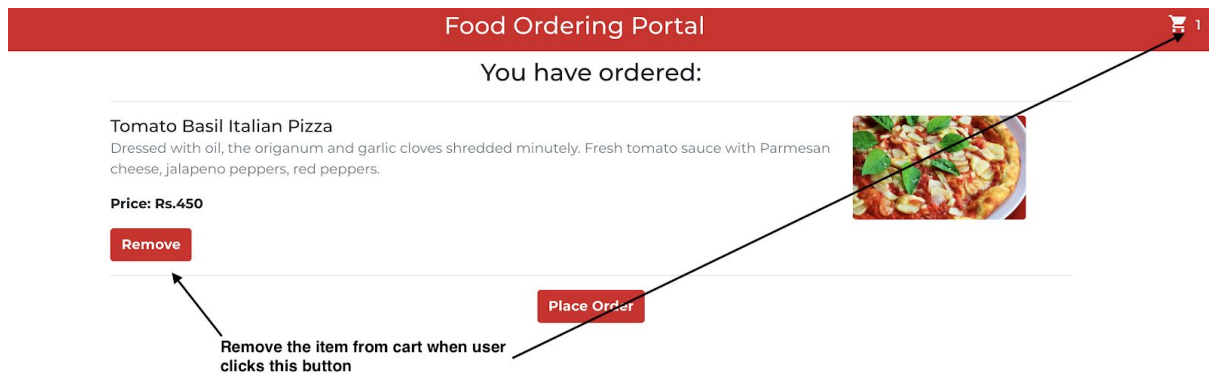
User should be able to remove a food item on click the *Remove* button.

When user clicks on *Place order* button, clear the cart items and return to home page of website:

Learnings:

How to build utility apps using express.js and react.