

Angular Restaurant App

Problem Statement

You are a developer working on the Restaurant App using Angular. As you near completion of the project, the restaurant owner requests an additional feature. The application will allow users to view a restaurant's menu and filter menu items by category. The project involves building components, implementing decorators, directives, and pipes for an appealing user interface.

Technical Specifications

Tech Stack: Angular

Ports:

Front-end: 8081

Implementation Details

Your goal is to create a Cute Restaurant App with the following features:

Menu Component

- Utilize Angular's @Component decorator to define the menu component.
- Create an interface named MenuItem with properties like name, category, and price.
- Inside the component, initialize an array of menu items (menuItems) with at least four sample items.
- Implement a filtering mechanism to allow users to filter menu items based on categories (e.g., Appetizer, Main Course, Dessert).
- Render the filtered menu items in the template using ngFor.
- Apply styling to make the menu items visually appealing.

Category Filter Pipe (category-filter.pipe.ts)

- Implement a custom pipe named CategoryFilterPipe.
- The pipe should filter an array of MenuItem objects based on the selected category.
- Use the @Pipe decorator to define the pipe.
- The pipe should accept two arguments: the array of menu items and the selected category.
- In the pipe's transform function, filter the menu items based on the selected category.

App Component (app.component.html)

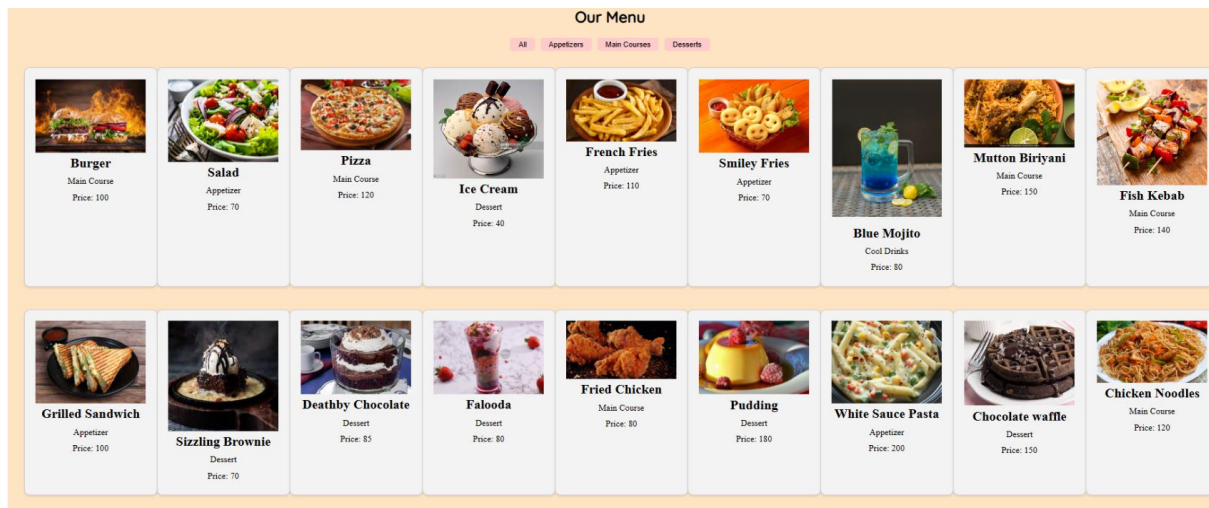
- The main app component should include the <app-menu> component to display the restaurant menu.
- Use the Angular router-outlet to display different components if you decide to extend the app.

Styling (styles.css)

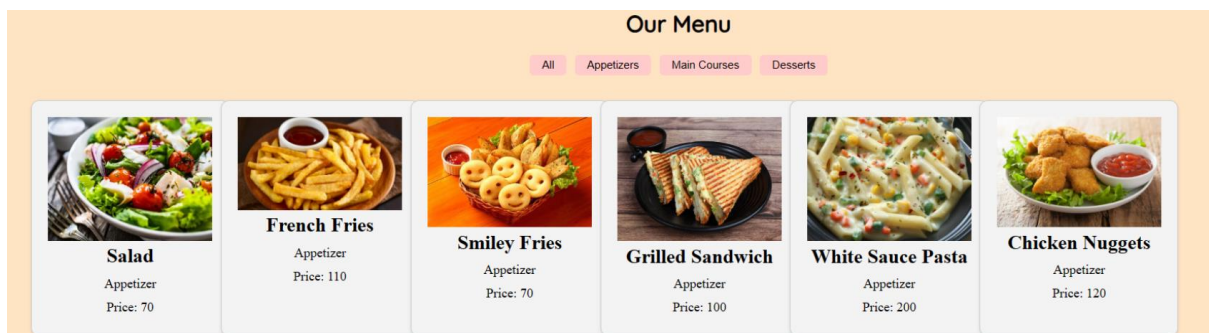
- Style the components using CSS to make the app look cute and appealing.
- Use Google Fonts or other web fonts to enhance the typography.
- Apply appropriate colors, margins, and padding to create an attractive layout.

Output:

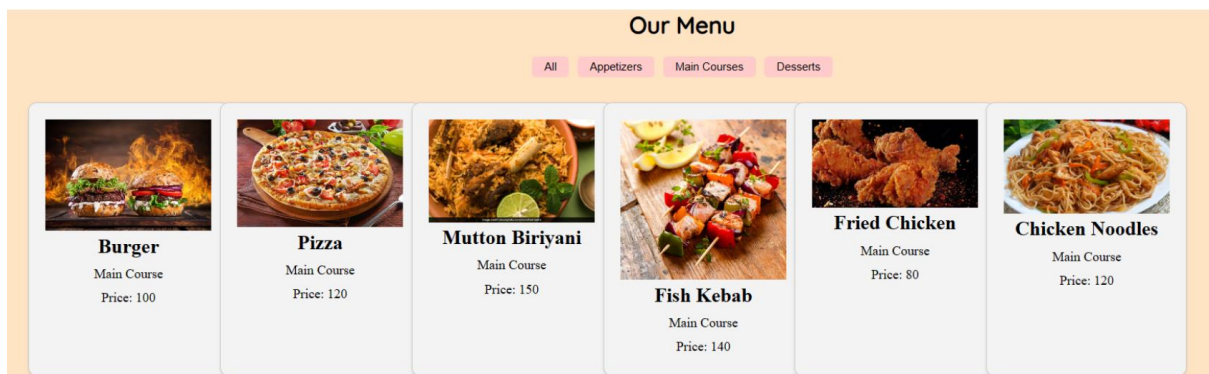
1. Restaurant App UI Interface



2. When you click on Appetizers the following output should be displayed




3. When you click on Main Courses the following output should be displayed




4. When you finally click on Desserts section the following output should be displayed

Our Menu


AllAppetizersMain CoursesDesserts




Ice Cream
Dessert
Price: 40




Sizzling Brownie
Dessert
Price: 70




Deathby Chocolate
Dessert
Price: 85



Falooda
Dessert
Price: 80



Pudding
Dessert
Price: 180



Chocolate waffle
Dessert
Price: 150