

Restaurant Technical Challenge Specification

Technology Stack

- ✓ Angular 7

Description

Project is implemented to add new restaurant and filter the existed restaurants in the list. This application consists of two major screens which are Restaurants List page and New Restaurant page. This application does not interact with backend. Instead, it made use of mock JSON data internally to list down the restaurants.

Functionality

- ✓ Restaurant List Page: This page is designed to list the restaurants and filter the restaurants based on day instead of date and time. Filtering functionality is limited to day due to limited time.
- ✓ New Restaurant Page: This page is designed to accept user inputs for restaurant name, address, operating hours etc. Restaurant image and id values are hard coded to avoid file browse functionality without backend support.

Technical Specification

- ✓ Model: Restaurant Form model to hold user inputs through form
- ✓ Service: Restaurant Service and Utility services were developed to support processing of user data. This was achieved through usage of Angular @Injectable decorator.
- ✓ Domain Folders: This application consists folders where each folder is having isolation of Components, Modules, Template HTML files and CSS files as per the functionality. Root level App Module keeps hold of all internal modules.
- ✓ Unit Tests: Unit tests were developed to test each component and service.

Usage

Please follow the below steps to use the application

- ✓ npm install – This command installs all required node modules
- ✓ ng serve –open – This command invokes the application in the browser
- ✓ ng test – This command will execute all Unit test cases

Limitations

Following limitations are existed in this application which are due to lack of database interactions and unavailability of backend operations

- Filters the restaurants against to the day name instead of date and time.

Reason: Lot of processing is needed against to the JSON data. Database interactions would not require such heavy data processing logic.

- At a time one restaurant entry can be added.
- Adding same restaurant with different / same timings creates those many entries in the list.
- Pagination is not implemented in the list of restaurant entries.
- File browse operation was not implemented to select image for new restaurant.
- Unavailability of editing or deleting restaurant functionalities.