ICP6 – Group 12

Sukumar Bodapati – sb5zh@umsystem.edu

Student id: 16326105

GitHub link: https://github.com/sukumarbodapati/Web-Mobile-Spring-2022/tree/main/Web/ICP6

Sri Nikhitha Boddapati – sb4dz@umsystem.edu

Student id: - 16322565

GitHub link: https://github.com/Srinikhitha98/Web-Mobile-Dev-Spring-2022/tree/main/Web/ICP6

Rest API With Angular

Objective:

To create an application to display recipes and nearby restaurants using Foursquare API and Edamam API.

Tasks:

Edamam API: To display recipes

- Sign up for Edamam API to use Recipes database.
- Go to dashboard and find out the application id and application keys.
- The application id and application keys are used in the script for calling this API.
- Create an empty recipes list and an object of recipevalue and assign the entered recipe value that is given by the user.
- If the value entered by the user is not empty, then call the Edamam API along with recipe value (give the app id and app keys to access the url) and assign the data from the server to the recipe list to display in the UI.
  1. If the recipes are available, then user will be able to see the list of the recipes on the page.
  2. If the recipes entered doesn't exists(eg:hgfjhj), user will get a popup to check the value.

Foursquare API: To display nearby place where this recipe is available.

- Sign up for Foursquare API to use Places database.
- To access the Place API, we need to have client id, client secret and authorization (API KEY). Create a project and generate an API key.

- Create an empty placelist and an object of placevalue and assign the input search place value that is given by the user.
- If the placevalue and recipe value entered by the user is not empty, then call the Foursquare API along with query as recipe value and nearby as place value.
- But this URL must be accessed with the authorization key so declared a HTTP header and set the authorization value.
- When the user enters the place value, we will make a call to this API to display the restaurant details like name, address, and location of the place.
    1. If the place value exits, name, address, and location of the places nearby are displayed.
    2. If the place value doesn't exist, then user will get a pop up to check the value.

Code:

1.Edamam API:

```
if (this.recipeValue !== null) {
  /**
   * Write code to get recipe
   */

  this._http.get(
    'https://api.edamam.com/search?q=' + this.recipeValue +
    '&app_id=525894ab&app_key=ff9e741ffd6997fda030c36805455e14').subscribe((data: any) => {

      console.log(data);
      if (data.hits.length == 0) {
        alert('Please check the receipe value')
      }
      this.recipeList = data.hits;
    });
}
}
```
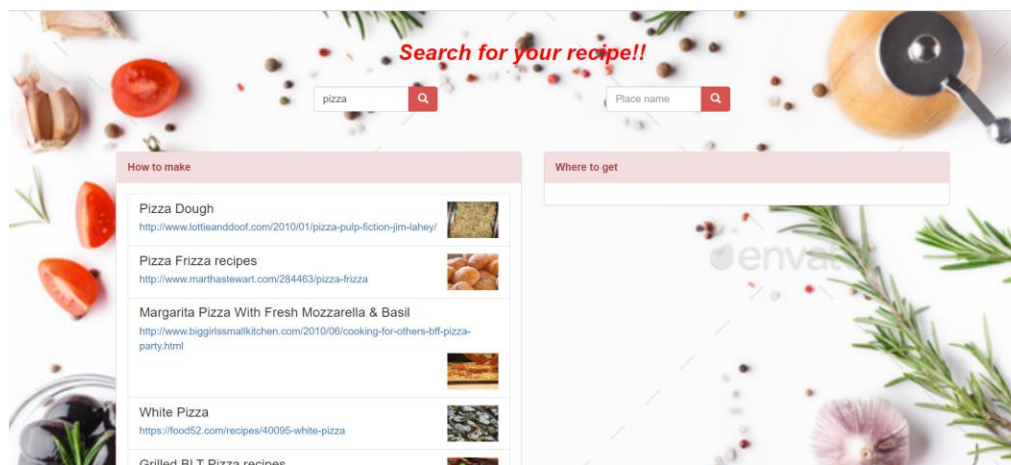
2.Foursquare API:

```
};
this._http.get(
  "https://api.foursquare.com/v3/places/search?" +
  "client_id=VKRGLUSP31TQFXKAUNRNWWBVPNBH5IKIIUFXWOKQNWOZ0J5F" +
  "&client_secret=OTIFSBGWPOZGBQ212WPM5CAS32UWMYGNRYIEUFKJ1GUQTU0K" +
  "&query=" + this.recipeValue + "&near=" + this.placeValue +
  "&v=20220220", httpOptions).subscribe((response: any) => {
    console.log(response);
    if (response.results.length == 0) {
      alert('please check the city name')
    }
    this.venueList = response.results;
  });
}
```
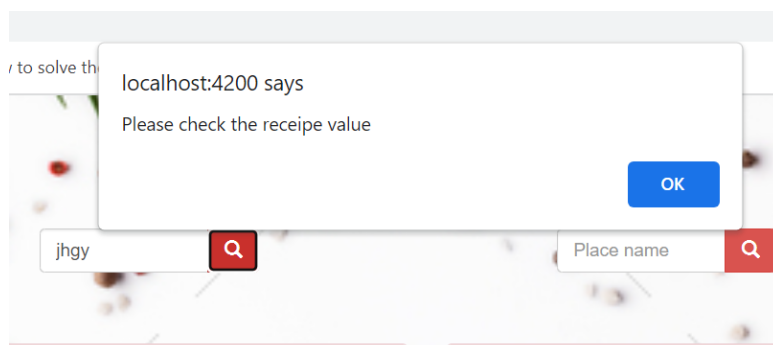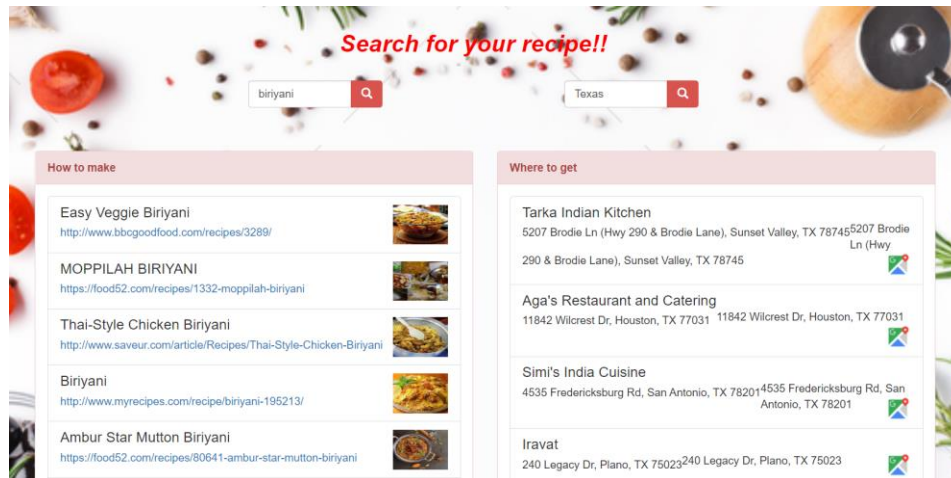
Output:

1.Enter a recipe value

2.Enter invalid recipe value

3.Enter a recipe value and place

Search for your recipe!!

biriyani

Texas

How to make	Where to get
Easy Veggie Biriyani	**Tarka Indian Kitchen**
http://www.bbcgoodfood.com/recipes/3289/	5207 Brodie Ln (Hwy 290 & Brodie Lane), Sunset Valley, TX 78745 5207 Brodie Ln (Hwy 290 & Brodie Lane), Sunset Valley, TX 78745
MOPPILAH BIRIYANI	
https://food52.com/recipes/1332-moppilah-biriyani	**Aga's Restaurant and Catering**
Thai-Style Chicken Biriyani	11842 Wilcrest Dr, Houston, TX 77031 11842 Wilcrest Dr, Houston, TX 77031
http://www.saveur.com/article/Recipes/Thai-Style-Chicken-Biriyani	
Biriyani	**Simi's India Cuisine**
http://www.myrecipes.com/recipe/biriyani-195213/	4535 Fredericksburg Rd, San Antonio, TX 78201 4535 Fredericksburg Rd, San Antonio, TX 78201
Ambur Star Mutton Biriyani	**Iravat**
https://food52.com/recipes/80641-ambur-star-mutton-biriyani	240 Legacy Dr, Plano, TX 75023 240 Legacy Dr, Plano, TX 75023

4.Enter a recipe value and invalid place value

localhost:4200 says

please check the city name

OK

iyani

Te