ICP-6

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GitHub Repo link:

https://github.com/Yaswanthypfm7/WebDevCourse/tree/main/WebPart/ICP6

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Introduction

Angular routing is the key factor of any Web application. An application recommends can be

based on whether it has good routing capabilities or not. It mostly helps user in single and

multipage navigations. Angular has good routing capabilities that can accommodate simple and

complex web applications. Routing can be defined as the navigating via a view. Angular has a

specific routing technique called Routing Module that helps applications to navigate in a page.

Dependency Injection in angular can be more powerful in many ways. A dependency injection

can be explained as if there is a client and the service the feature of a client need to forward to

a service, this can be done via dependency injection that helps to transfer and help the client to

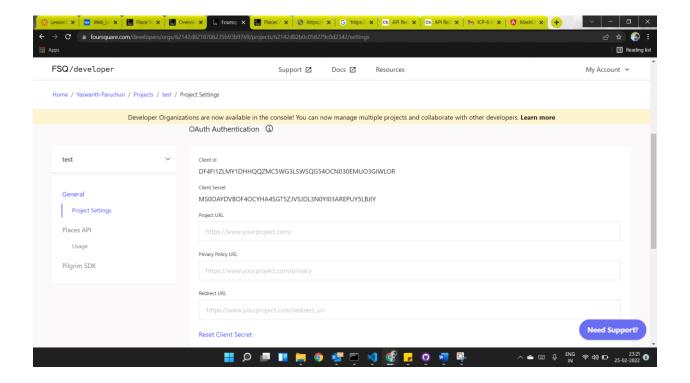
make useful to the provided service to the service class.

Rest API, Angular http requests – Rest API acts as a bridge between the client and the webmodule. It uses the Hyper text markup language protocol and makes the request to the web. It takes the helps of resources and transfer or gets the data from the client and server like GET, POST etc..

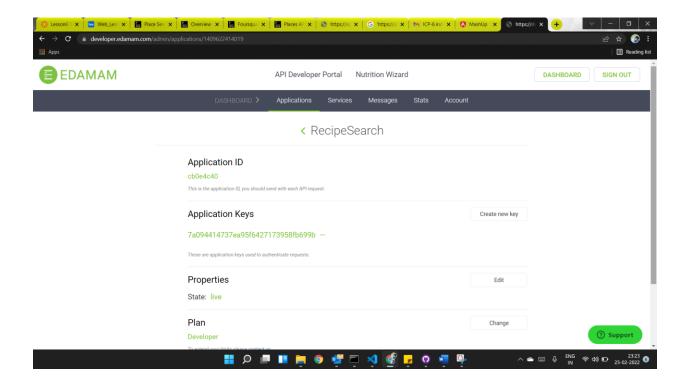
TASKS

In this ICP we have worked on the Angular routing components, Rest API, http client requests and Angular dependency injection. We have created a web application for finding the recipes for a gio-location with the filtering of dishes.

Below are the client ID and client secret for four square API



Below are the API details for EDAMAM API



The HTML for the home page: Here we have created a class named desc for the recipe finder webpage. A parent container and child container class are created.

A button class for submit is created.

```
src > app > home > 🥫 home.component.html > 🍪 div.parent-container > 😂 div.child-container > 😂 form > 🤡 div.form-group
                                               <div class="parent-container</pre>
■ bg.jpg
   🔣 google.png
   vegies.jpg
                                                  <!--span for getting the different style within the div-->
<span class="desc">Recipe finder is a Web Application which is built using <i>Foursquare & Edamam's Recipe Search API
<!--form for getting the email of the users-->
   👩 арр
                                                    <div class="form-group">
| <label>Subscribe to our news letter:</label><br/>br><br/>
                                                     F header.component.html
      TS header.component.ts
     home.component.css
                                                      <-!-button to submit the form-->
<button class="btn btn primary <ol-lg-2 col-lg-offset-5">Submit</button>
     search-recipe.component.css
      search-recipe.component.html U
    app.component.css
    g app.component.html
```

CSS for Home Page:CSS for parent container with height and width.

- Color green is given for child container and aligned to center.
- The text is given in Georgia format and color is black.
- Submit button is given with Green background color and on click given white color.

```
TS app.module.ts M
src > app > home > 🧧 home.component.css > ધ button
       .parent-container {
        position: relative;
         height:100%;
         width: 100%;
       .child-container {
       color: □green;
text-align: center
         position: center;
       }
        font-family: Georgia;
         font-size: 17px;
color: □ black
 19
       button{
         background-color: green;
         color: ■ white
```

Home Component script:

Here we have given the routing components like for the home component.html and home component.css are imported here with template and the style urls.

```
t.html U
           TS app.module.ts M
                                 header.component.html M
                                                              🥫 home.component.html ।
  src > app > home > TS home.component.ts > ⁴ HomeComponent
         import { Component, OnInit } from '@angular/core';
         @Component({
           selector: 'app-home',
           templateUrl: './home.component.html'
           styleUrls: ['./home.component.css']
         export class HomeComponent implements OnInit {
           constructor() { }
   11
           ngOnInit() {
   12
   13
   14
   15
```

Search Recipe:

Here we have given title as Search for your recipe and with inputs as receipe and place and a button. We have given a container and divided into left and right parts by using the "row" class .Left part is used for displaying the recipes list which ever the user selected and the right part is used to display the venues where the recipe is located near the place which the user has given in the input.

In the left component we have given the recipe "Name"," URL" and "ICON'.

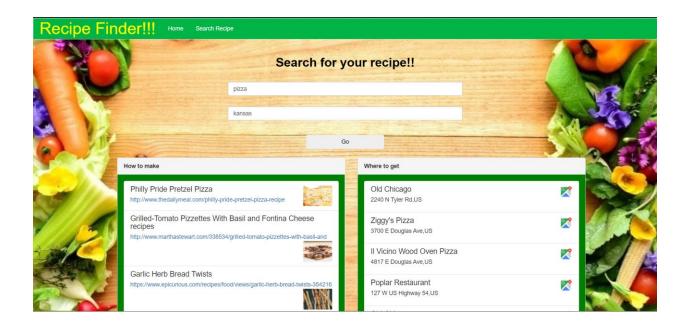
In the right component we have given the "Place name", "Address", "Geo location with the current address and the destination address to find the path of the restaurant.

Recipe Logic: In the class firsrt we have initialized all the values

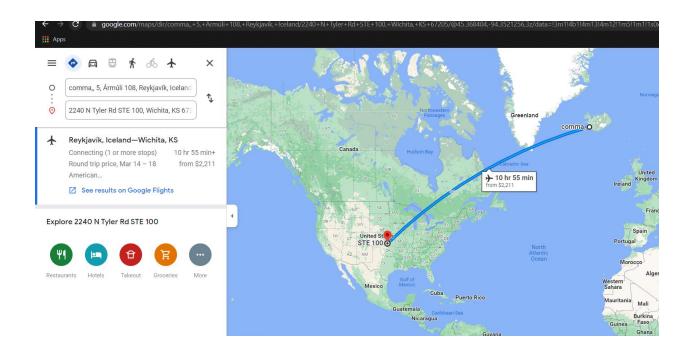
```
rs search-recipe.component.ts U X 🥫 search-recipe.component.html U
                                                                                                 TS app.module.ts M
src > app > search-recipe > TS search-recipe.component.ts > ♦ SearchRecipeComponent > ♦ getVenues
      import {Component, ElementRef, OnInit, ViewChild} from '@angular/core';
      import {HttpClient, HttpHeaders} from '@angular/common/http';
      import { getLocalePluralCase } from '@angular/common';
      @Component({
        selector: 'app-search-recipe',
        templateUrl: './search-recipe.component.html',
        styleUrls: ['./search-recipe.component.css']
      export class SearchRecipeComponent implements OnInit {
        @ViewChild('recipe') recipes: ElementRef;
        @ViewChild('place') places: ElementRef;
        recipeValue: any;
        placeValue: any;
        venueList = [];
        recipeList = [];
        currentLat: any;
        currentLong: any;
        geolocationPosition: any;
        constructor(private _http: HttpClient) {
        ngOnInit() {
          window.navigator.geolocation.getCurrentPosition(
             position => {
               this.geolocationPosition = position;
               this.currentLat = position.coords.latitude;
```

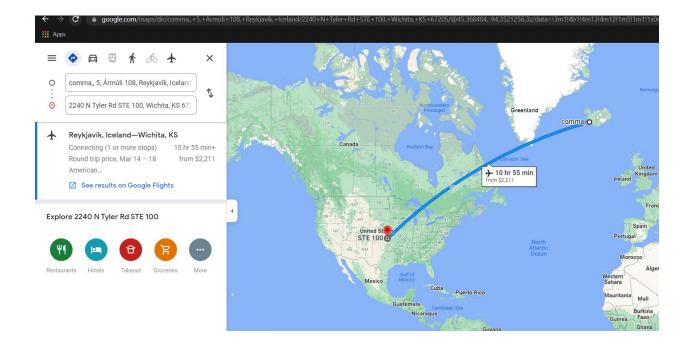
Here we have written the get venues method where we have taken the input from the user and assigned it to the local variables and also used the FOURSQUARE API and EDMAM API for getting the venues and the recipes respectively. We used our API keys, Client ID, Client Secret to get the values and assign them to the list and passed to the HTML to display them.

Output:



When clicked on the Google maps it is redirecting to the geo location on MAPS





When clicked on the recipe link it is redirecting to the recipe

