ICP-6: Displaying APIs with angular HTTP

GITHUB REPO: https://github.com/Irvin-Solis/CSEE-5590/tree/main/Source/Lesson6

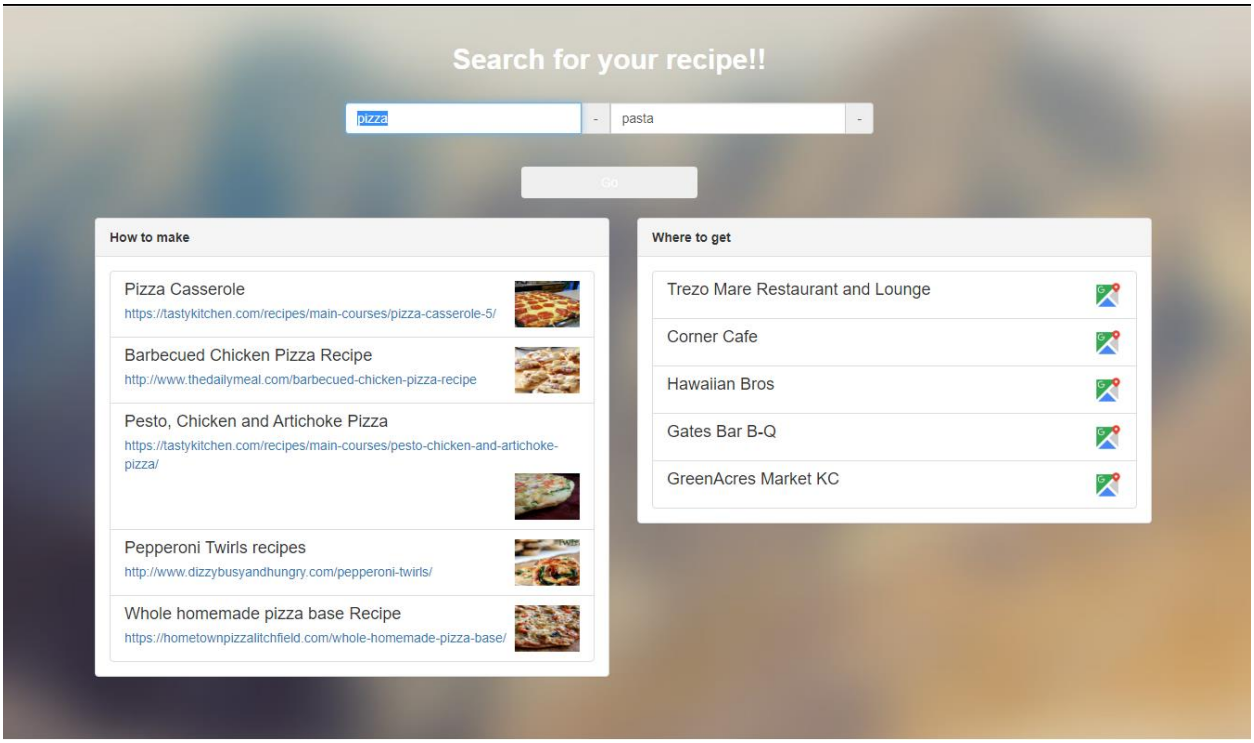
I. Introduction

In this lesson we were required to create an application in Angular that displays nearby restaurant plus recipes using APIs. For this purpose, we used Angular HTTP. Also, we created two accounts, one in foursquare to get the API to display nearby restaurants, we got this API by using Client_ID and Client_Secret, the other account was in Edamam to display the recipes.

II. Description

We downloaded the template given in Lesson six and created accounts in Foursquare and Edamam. Plus, we looked into the documentation of foursquare to look how to create an API request for venues, we continued getting the error that the professor was getting in class and decided to switch for V3 of API.foursquare. The main differences we notices were that instead of using ClientID/secret we used then API access token, we added that in the header and we were able to easily make request for venues, or places the way the refer to it in version three. We made some tests run for data to figure out the format of the response and were easily able to filter out the data we needed. For each venue we created a Json object to easily integrate with the existing HTML. In the case of EDAMAN after creating an account and choosing which API url to use we were easily able to create a fetch request for the require data.

III. Code Snippets




```
    if (this.recipeValue !== null) {
      let url = `https://api.edamam.com/api/recipes/v2?type=public&random=true&q=${this.recipeValue}&app_id=d5c1bd7f&app_key=acb4b16bba52b8bc09fbd05c02a33ff3`
      this._http.get(url)
      .subscribe((data: any) => {
        let num = 0;
        let results = data.hits;
        for (let item in results){
          if(num == 5){
            break;
          }
          let url = results[item].recipe.url;
          let name = results[item].recipe.label;
          let icon = results[item].recipe.image;
          this.recipeList.push({name, url, icon});
          num++;
        }
        console.log(this.recipeList)
      })
    }

    if (this.placeValue != null && this.placeValue !== '' && this.recipeValue != null && this.recipeValue !== '') {
      const headers = new HttpHeaders({"Accept": "application/json", "Authorization": "fsq3W6lE8mDvWo5WcnklKG+xUxyPsuhaN+T5EivLhvp4r3c="});
      let options = {headers}
      this._http.get(`https://api.foursquare.com/v3/places/search?query=${this.placeValue}&limit=5&ll=${this.currentLat},${this.currentLong}`, options)
      .subscribe((data: any) => {
        let results = data.results

        results.map((k ,v) =>{
          let name = k.name;
          let location = k.location;
          this.venueList.push({name, location})
        })
      });
    }
  }
}
```