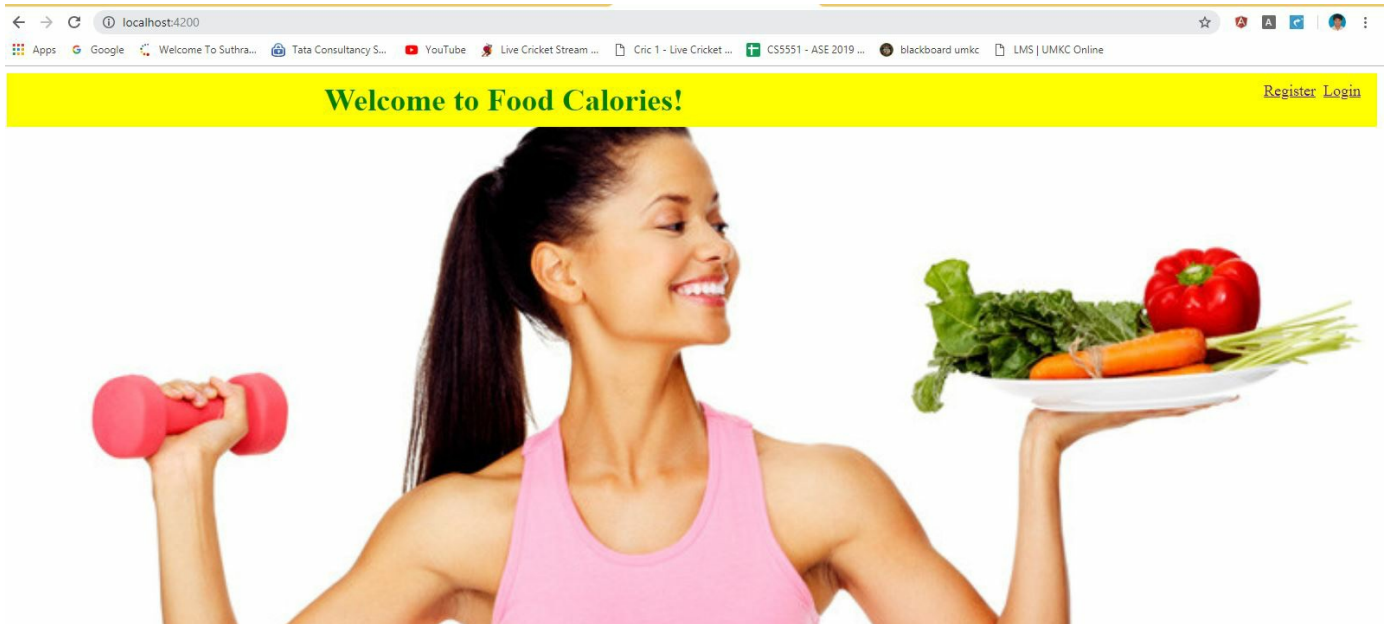
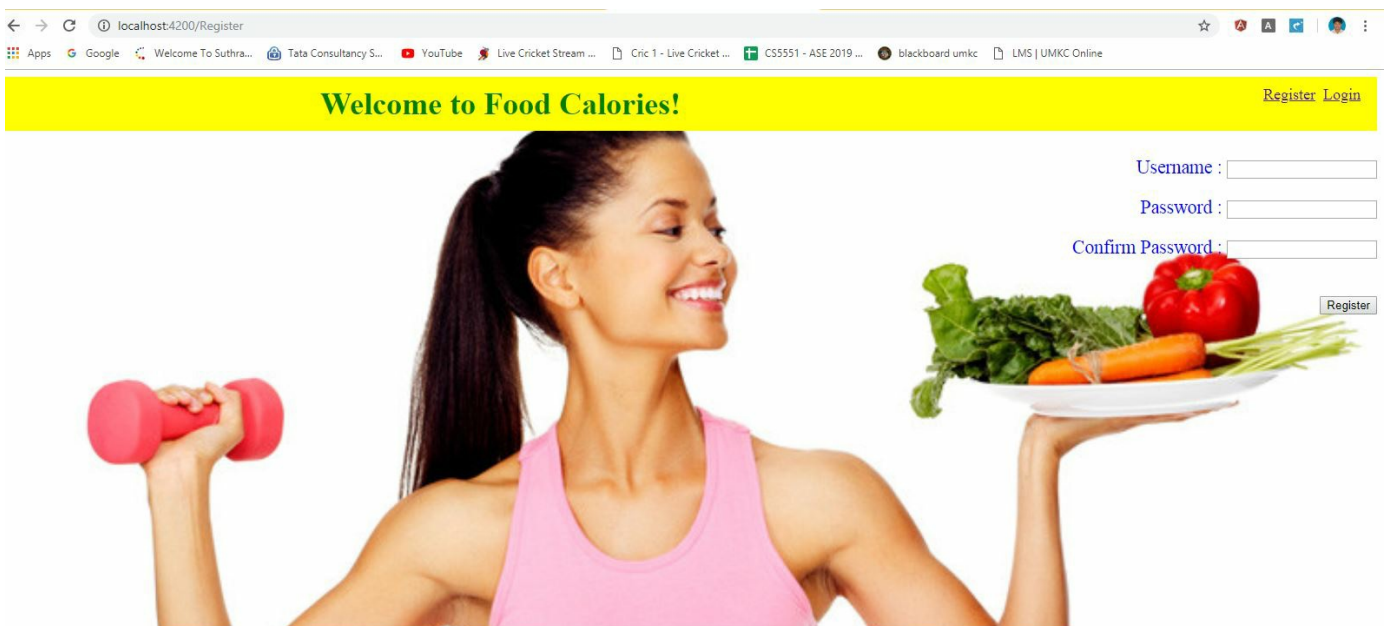


Welcome to food calories app!

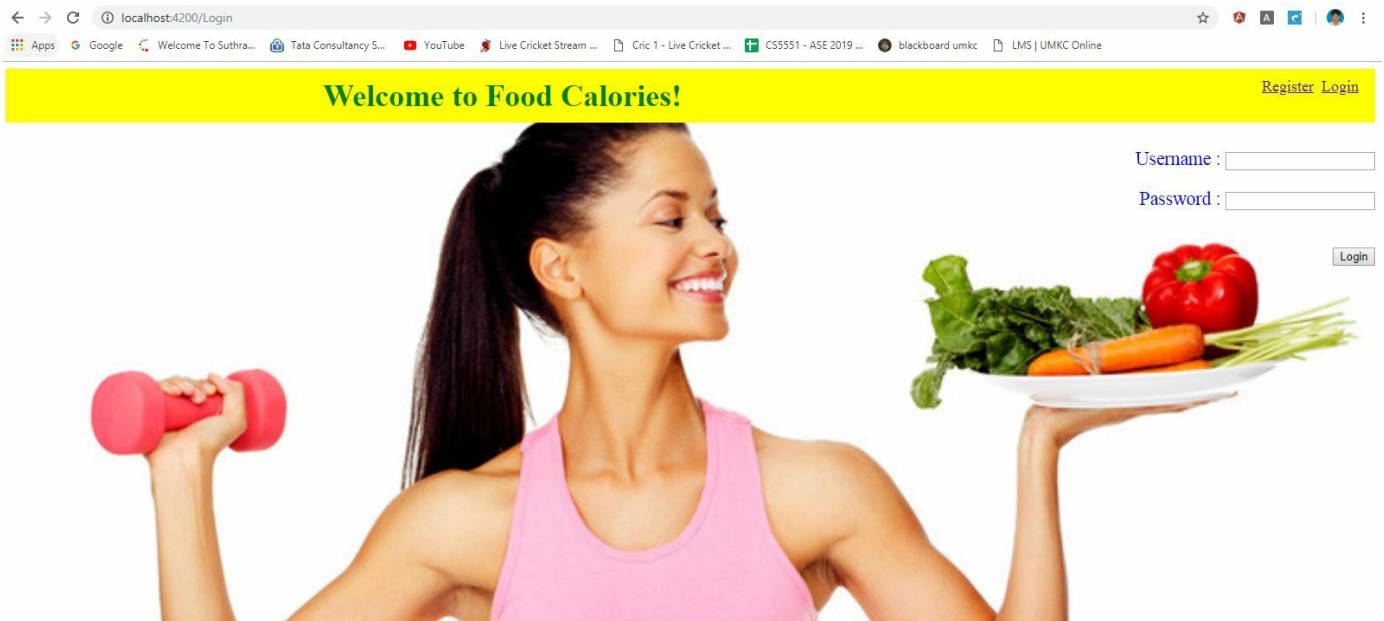
1. When our application loads for the first time the following page will be displayed.



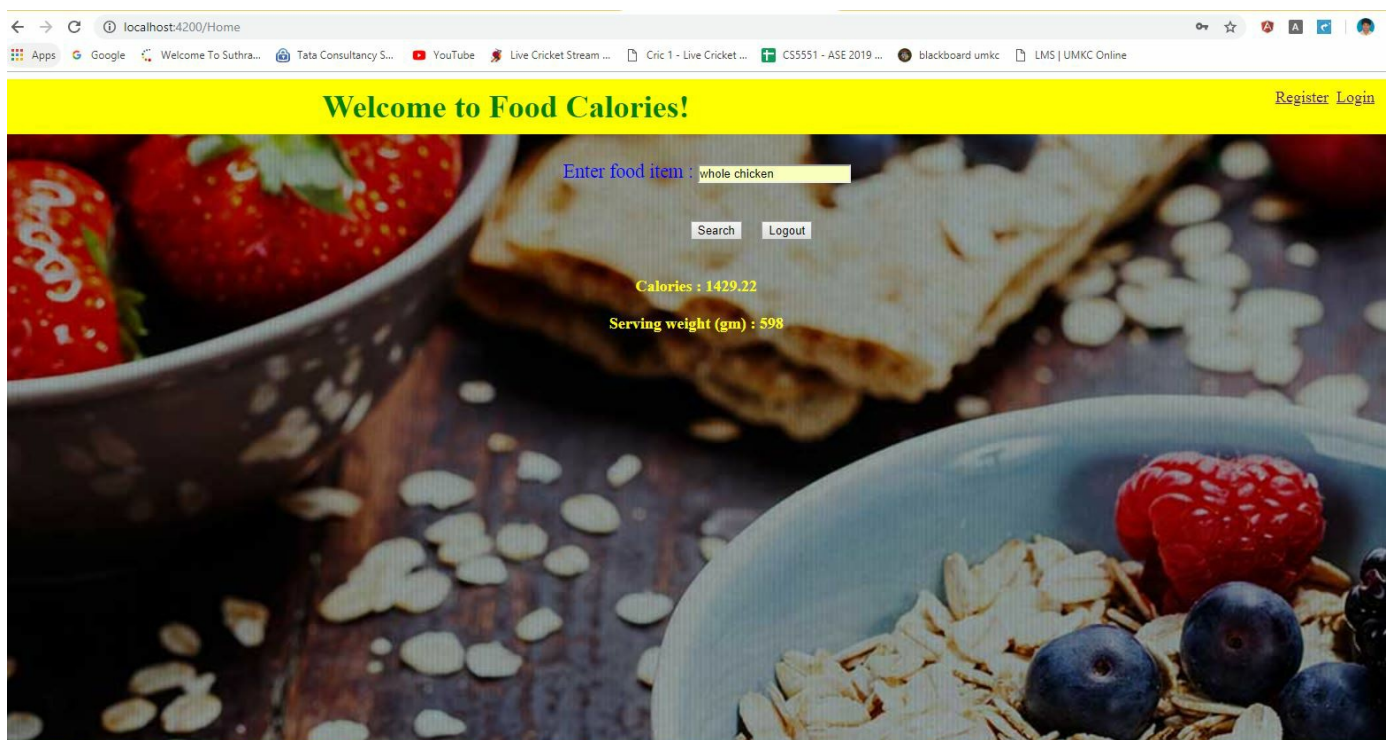
2. When the user clicks on Register page, the following page will be displayed and can register into the website by filling the details there.



3. After registering the user can login by navigating to login page



4. After logging in successfully, redirecting to home page will happen and after entering the search item, final output page will appear as shown below with an audio of entered item.



5. We have used a service to bring the response from URL for displaying calories

```
app.module.ts x nutrition.service.ts x login.component.ts x app.component.html x app.component.ts x home.component.html x home.component.css x
1 import { Injectable } from '@angular/core';
2 import { HttpClient } from '@angular/common/http';
3
4 @Injectable({
5   providedIn: 'root'
6 })
7 export class NutritionService {
8   public url;
9   constructor(private http: HttpClient) {
10   }
11   getCal(item) {
12     this.url = 'https://api.nutritionix.com/v1_1/search/' + item + '?' + 'results=0:1&fields=*&appId=d30da655&appKey=b86c2cb215fc15f9512f44c3c959acd4';
13     // this.url = 'http://api.wunderground.com/api/4bbbc25f4f8946dd/conditions/q/' + code + '/' + city + '.json';
14     return this.http.get(this.url);
15   }
16 }
17
18
```

7. appmodule.ts, here we have provided paths for routing and in appcomponent.html we have placed the links and router outlets

```
app.module.ts x nutrition.service.ts x login.component.ts x app.component.html x app.component.ts x home.component.html x home.component.css x
1 import { BrowserModule } from '@angular/platform-browser';
2 import { RouterModule, Routes } from '@angular/router';
3 import { NgModule } from '@angular/core';
4
5 import { AppComponent } from './app.component';
6 import { LoginComponent } from './login/login.component';
7 import { RegisterComponent } from './register/register.component';
8 import { HomeComponent } from './home/home.component';
9 import { FormsModule } from '@angular/forms';
10 import { AppRoutingModuleModule } from './app-routing/app-routing.module';
11 import { NutritionService } from './nutrition.service';
12 import { HttpClientModule } from '@angular/common/http';
13
14
15 @NgModule({
16   declarations: [
17     AppComponent,
18     LoginComponent,
19     RegisterComponent,
20     HomeComponent
21   ],
22   imports: [
23     BrowserModule,
24     HttpClientModule,
25     FormsModule,
26     AppRoutingModuleModule,
27     RouterModule.forRoot({ routes: [
28       {path: 'Home', component: HomeComponent},
29       {path: 'Register', component: RegisterComponent},
30       {path: 'Login', component: LoginComponent}
31     ]})
32   ],
33   providers: [ NutritionService ],
34   bootstrap: [AppComponent]
35 })
36 export class AppModule { }
37
```





```
register.component.html x app.component.html x app.components.ts x home.component.html x home.component.css x login.component.html x register.component.ts x
1 import { Component, OnInit } from '@angular/core';
2 import { Router } from '@angular/router';
3 @Component({
4   selector: 'app-register',
5   templateUrl: './register.component.html',
6   styleUrls: ['./register.component.css']
7 })
8 export class RegisterComponent implements OnInit {
9   user: string;
10  pass: string;
11  confpass: string;
12  public loc3: any;
13  public res: any;
14  constructor(
15    private router: Router
16  ) { }
17
18  ngOnInit() {
19  }
20  Show() {
21
22    this.loc3 = {
23      user: this.user,
24      pass: this.pass,
25      confpass: this.confpass
26    };
27    // localStorage.setItem( key: 'loc');
28    if (this.pass === this.confpass) {
29      localStorage.clear();
30      localStorage.setItem('username', this.user);
31      localStorage.setItem('password', this.pass);
32      alert('User Successfully registered');
33      this.res = 'User Successfully registered';
34      this.router.navigateByUrl( url: '/Login');
35    } else {
36      alert('Password and Confirm Password fields are not matching');
37    }
38  }
39 }
```

RegisterComponent > Show() > loc3

10. home page, here we captured the response from service to display calories and used audio tag for text to speech conversion

```
home.component.css x login.component.ts x register.component.html x app.component.html x app.components.ts x home.component.html x home.component.ts x login.component.html x
1 import { Component, OnInit } from '@angular/core';
2 import { NutritionService } from '../nutrition.service';
3 import { Router } from '@angular/router';
4
5 @Component({
6   selector: 'app-home',
7   templateUrl: './home.component.html',
8   styleUrls: ['./home.component.css'],
9   providers: [ NutritionService ]
10 })
11 export class HomeComponent implements OnInit {
12   item: string;
13   public loc1: any;
14   public url1: any;
15   public value10: any;
16   public value12: any;
17
18   constructor(
19     private foodcal: NutritionService,
20     private router: Router ) { }
21   ngOnInit() {
22     // this.Weather = response;
23   }
24   Search() {
25
26     this.loc1 = {
27       item: this.item
28     };
29     this.foodcal.getCal(this.loc1.item).subscribe( next: response => {
30       console.log(response);
31       this.value10 = response;
32     });
33     this.url1 = 'https://stream.watsonplatform.net/text-to-speech/api/v1/synthesize?username=f61d1286-72ec-4d67-a0a2-16969a62acac&password=4AmGC8jSSy5G&text=' + this.item + '';
34   }
35   Logout() {
36     this.router.navigateByUrl( url: '/Login');
37   }
38 }
39
```

HomeComponent

```
home.component.css x login.component.ts x register.component.html x app.component.html x app.component.ts x home.component.html x home.component.ts x
1 <div class="image1">
2 <div class="header" style="background-image:url(https://caloriecontrol.org/wp-content/uploads/sidel.jpg);"></div>
3 <div *ngIf="url1" style="display: none">
4 <audio controls autoplay="autoplay">
5 <source [src]="url1" type="audio/ogg">
6 </audio>
7 </div>
8 <form style="text-align: center;">
9 <div class="form-group" style="padding-left: 20px; padding-top: 30px;">
10 <label style="font-size: larger;color: blue;">Enter food item : </label>
11 <input type="text" name="item" class="form-control" [(ngModel)]="item">
12 <br>
13 </div>
14 <br>
15 <br>
16 <div style="padding-left: 120px;">
17 <button class="btn btn-show" (click)="Search()">
18 Search</button>
19 <button class="btn btn-show" (click)="Logout()">
20 Logout</button>
21 </div>
22 </form>
23
24 <br>
25 <br>
26 <div style="text-align: center; font-weight: bold; color: yellow;">
27 <label>Calories : </label> {{value10.hits[0].fields.nf_calories | json }}
28 <br>
29 <br>
30 <label>Serving weight (gm) : </label> {{value10.hits[0].fields.nf_serving_weight_grams | json }}
31 <br>
32 <br>
33 </div>
34 </div>
```

div.image1 > div > audio