### **Program : Import Excel and Display Data**

**Step 1: index.html**

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Importexcel</title>

<base href="/">

<link type="text/css" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css" />

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="icon" type="image/x-icon" href="favicon.ico">

</head>

<body>

<app-root></app-root>

</body>

</html>

**Step 2: app.component.html**

<div class='container-fluid'>

  <div class='row'>

    <div class='col-sm-9 body-content'>

      <br/>

      <h3>Import Excel and Display Data</h3>

      <br/>

  <h2>make sure the fields are same</h2>      <br />

      <table class='table' width="100%">

        <tr><td>Select Excel File:</td><td align="left"><input #file type="file" multiple (change)="onFileChange($event)" /></td>

          <td></td><td align="left"><button type="button" class="btn dark btn-outline" style="border:2px solid green"

          (click)="uploadfile()">

    Upload

  </button></td></tr>

      </table>

      <table class='table' \*ngIf="excelData">

        <thead>

          <tr>

            <th>Id</th>

            <th>Name</th>

            <th>Email</th>

            <th>Mobile</th>

          </tr>

        </thead>

        <tbody>

          <tr \*ngFor="let d of excelData">

            <td>{{ d.Id }}</td>

            <td>{{ d.Name }}</td>

            <td>{{ d.Email }}</td>

            <td>{{ d.Mobile }}</td>

          </tr>

        </tbody>

      </table>

    </div>

  </div>

</div>

**Step 3: app.component.spec.ts**

import { TestBed, async } from '@angular/core/testing';

import { AppComponent } from './app.component';

describe('AppComponent', () => {

beforeEach(async(() => {

TestBed.configureTestingModule({

declarations: [

AppComponent

],

}).compileComponents();

}));

it('should create the app', () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.debugElement.componentInstance;

expect(app).toBeTruthy();

});

it(`should have as title 'importexcel'`, () => {

const fixture = TestBed.createComponent(AppComponent);

const app = fixture.debugElement.componentInstance;

expect(app.title).toEqual('importexcel');

});

it('should render title in a h1 tag', () => {

const fixture = TestBed.createComponent(AppComponent);

fixture.detectChanges();

const compiled = fixture.debugElement.nativeElement;

expect(compiled.querySelector('h1').textContent).toContain('Welcome to importexcel!');

});

});

**Step 4: app.component.ts**

import { Component } from '@angular/core';

import { HttpClient, HttpRequest, HttpEventType, HttpResponse } from '@angular/common/http'

import \* as XLSX from 'xlsx';

@Component({

  selector: 'app-root',

  templateUrl: './app.component.html',

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  title = 'app';

  public progress: number;

  public message: string;

  public excelData: ExcelData[];

  constructor(private http: HttpClient) { }

  data = [];

  onFileChange(evt: any) {

    //debugger

    /\* wire up file reader \*/

    const target: DataTransfer = <DataTransfer>(evt.target);

    if (target.files.length == 1) {

      const reader: FileReader = new FileReader();

      reader.onload = (e: any) => {

        /\* read workbook \*/

        const bstr: string = e.target.result;

        const wb: XLSX.WorkBook = XLSX.read(bstr, { type: 'binary' });

        console.log(wb);

        /\* grab first sheet \*/

        const wsname: string = wb.SheetNames[0];

        const ws: XLSX.WorkSheet = wb.Sheets[wsname];

        /\* save data \*/

        this.data = <any>(XLSX.utils.sheet\_to\_json(ws, { header: 1 }));

      };

      reader.readAsBinaryString(target.files[0]);

    }

  }

  uploadfile() {

    let keys = this.data.shift();

    let resArr = this.data.map((e) => {

      let obj = {};

      keys.forEach((key, i) => {

        obj[key] = e[i];

      });

      return obj;

    });

    //console.log(resArr);

    //resArr.forEach(function (value) {

    //  console.log(value);

    //})

    this.excelData = resArr;

  }

}

interface ExcelData {

  [index: number]: { Id: number; Name: string; Email: string, Mobile: string };

}

**Step 5 : app.module.ts**

import { BrowserModule } from '@angular/platform-browser';

import { NgModule } from '@angular/core';

import { FormsModule } from '@angular/forms';

import { HttpClientModule } from '@angular/common/http';

import { AppComponent } from './app.component';

@NgModule({

  declarations: [

    AppComponent

],

  imports: [

    BrowserModule.withServerTransition({ appId: 'ng-cli-universal' }),

    HttpClientModule,

    FormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**output:**

