



# CRUD Operations In Angular 7 Using Web API

In this article and code examples, you'll learn how perform CRUD operations in Angular 7 using a Web API and SQL Server database.



Mithilesh Kumar

Jan 02 2019

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In this step by step tutorial, I'm going to perform CRUD operations in an Angular 7 Web application. The backend is a SQL Server databse. A Web API is used to provide data connectivity between the database and the front end application. On the UI side, I will use Angular Material theme to create a rich, interactive and device-independent user experience.

I'm using Visual Studio Code as a tool to build my application. If you don't have Visual studio code in your system then first you have to download and install. Here is Visual Studio Code download link: [Download Visual Studio Code Editor](#)

## Step 1. Create a database table

Create a database. Open SQL Server and create a new database table. As you can see from the following image, I create a database table called EmployeeDetails with 7 columns.

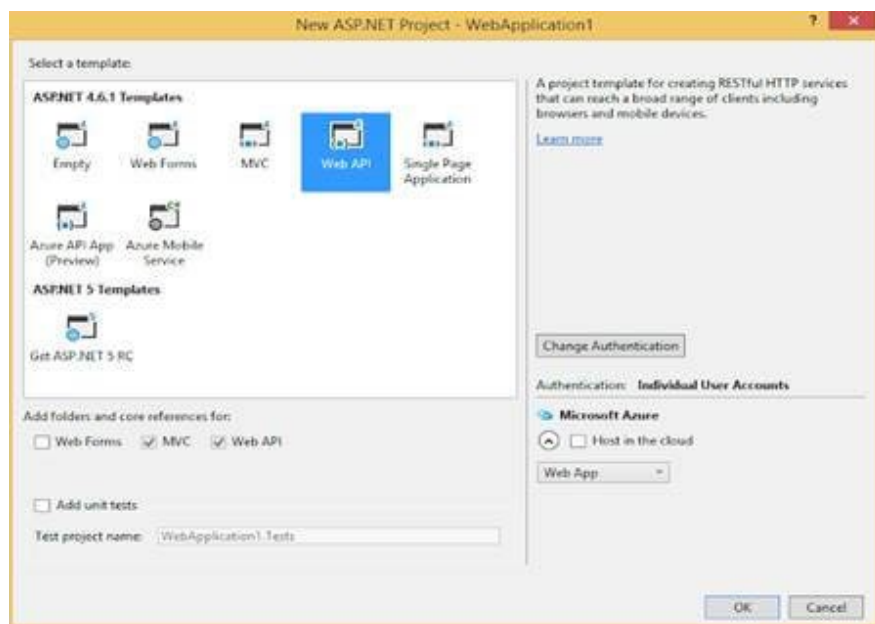
EmpName	varchar(50)	<input checked="" type="checkbox"/>
DateOfBirth	date	<input checked="" type="checkbox"/>
EmailId	varchar(50)	<input checked="" type="checkbox"/>
Gender	nchar(10)	<input checked="" type="checkbox"/>
Address	varchar(100)	<input checked="" type="checkbox"/>
PinCode	varchar(50)	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Note: If you already have an existing database and table, you can skip this step.

## Step 2. Create a Web API Project

Now, we will create a Web API with the functionality of Create, Replace, Update and Delete (CRUD) operations.

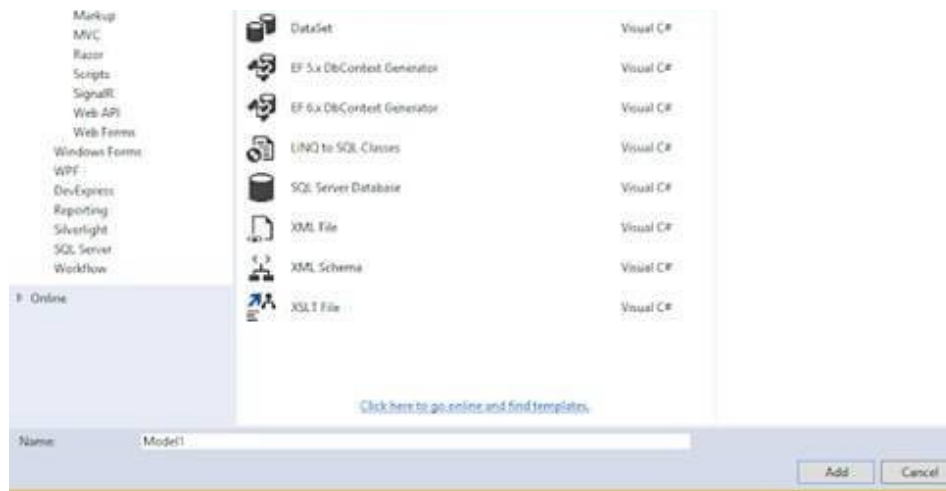
Open Visual Studio >> File >> New >> Project >> Select Web Application. After that click OK and you will see the templates. Select Web API template.



Click OK.

## Step 3. Add ADO.NET Entity Data Model

Now, Select Models folder >> Right click >> Add >> New Item >> select Data in left panel >> ADO.NET Entity Data Model,



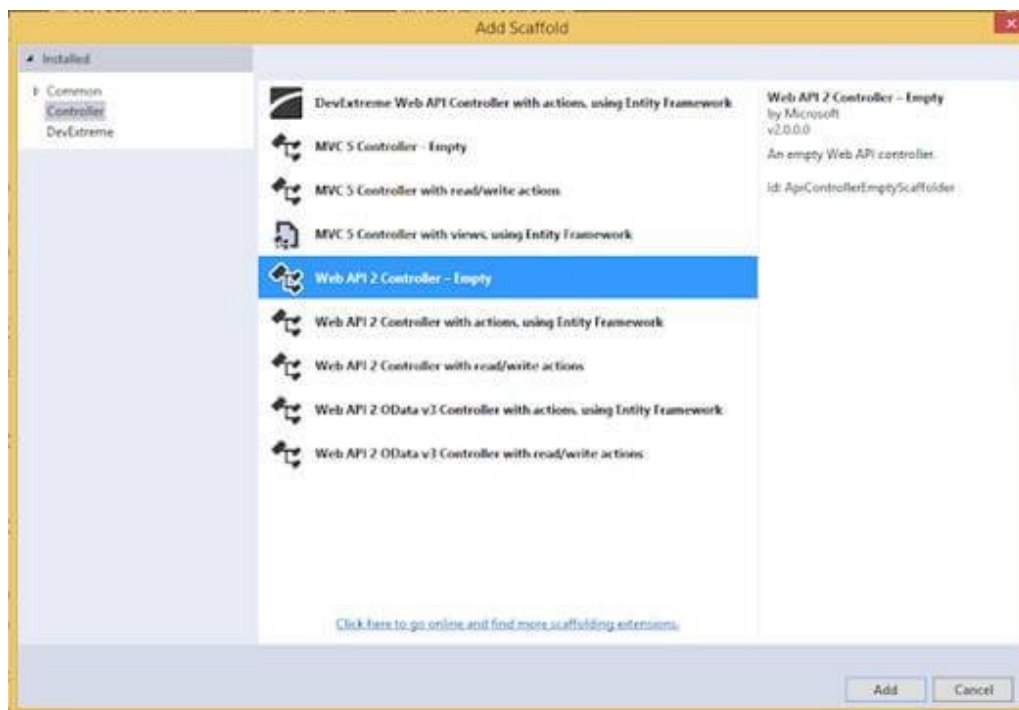
Now click Add button then select EF Designer from database >> Next >> After that give your SQL credential and select the database where your database table and data is.

Click Add button and select your table and click on Finish button.

#### Step 4. CRUD Operations

Now, we will write code to perform CRUD operation.

Go to the Controller folder in our API Application and right click >> Add >> Controller >> Select Web API 2 Controller-Empty





```
01. using System;
02. using System.Linq;
03. using System.Web.Http;
04. using CRUDAPI.Models;
05.
06. namespace CRUDAPI.Controllers
07. {
08.     [RoutePrefix("Api/Employee")]
09.     public class EmployeeApiController : ApiController
10.     {
11.         WebApiDbEntities objEntity = new WebApiDbEntities();
12.
13.         [HttpGet]
14.         [Route("AllEmployeeDetails")]
15.         public IQueryable<EmployeeDetail> GetEmaployee()
16.         {
17.             try
18.             {
19.                 return objEntity.EmployeeDetails;
20.             }
21.             catch (Exception)
22.             {
23.                 throw;
24.             }
25.         }
26.
27.         [HttpGet]
28.         [Route("GetEmployeeDetailsById/{employeeId}")]
29.         public IHttpActionResult GetEmaployeeById(string employeeId)
30.         {
31.             EmployeeDetail objEmp = new EmployeeDetail();
32.             int ID = Convert.ToInt32(employeeId);
33.             try
34.             {
35.                 objEmp = objEntity.EmployeeDetails.Find(ID);
36.                 if (objEmp == null)
37.                 {
38.                     return NotFound();
39.                 }
40.
41.             }
42.             catch (Exception)
43.             {
44.                 throw;
45.             }
46.
47.             return Ok(objEmp);
48.         }
49.     }
50. }
```

```
53.         {
54.
55.             if (!ModelState.IsValid)
56.             {
57.                 return BadRequest(ModelState);
58.             }
59.             try
60.             {
61.                 objEntity.EmployeeDetails.Add(data);
62.                 objEntity.SaveChanges();
63.             }
64.             catch(Exception)
65.             {
66.                 throw;
67.             }
68.
69.
70.
71.             return Ok(data);
72.         }
73.
74.         [HttpPut]
75.         [Route("UpdateEmployeeDetails")]
76.         public IHttpActionResult PutEmpEmployeeMaster(EmployeeDetail employ
77.         {
78.             if (!ModelState.IsValid)
79.             {
80.                 return BadRequest(ModelState);
81.             }
82.
83.             try
84.             {
85.                 EmployeeDetail objEmp = new EmployeeDetail();
86.                 objEmp = objEntity.EmployeeDetails.Find(employ.EmpId);
87.                 if (objEmp != null)
88.                 {
89.                     objEmp.EmpName = employ.EmpName;
90.                     objEmp.Address = employ.Address;
91.                     objEmp.EmailId = employ.EmailId;
92.                     objEmp.DateOfBirth = employ.DateOfBirth;
93.                     objEmp.Gender = employ.Gender;
94.                     objEmp.PinCode = employ.PinCode;
95.
96.                 }
97.                 int i = this.objEntity.SaveChanges();
98.
99.             }
100.            catch(Exception)
```

```
105.     }
106.     [HttpDelete]
107.     [Route("DeleteEmployeeDetails")]
108.     public IHttpActionResult DeleteEmployeeDelete(int id)
109.     {
110.         //int empId = Convert.ToInt32(id);
111.         EmployeeDetail employee = objEntity.EmployeeDetails.Find(id)
112.         if (employee == null)
113.         {
114.             return NotFound();
115.         }
116.
117.         objEntity.EmployeeDetails.Remove(employee);
118.         objEntity.SaveChanges();
119.
120.         return Ok(employee);
121.     }
122. }
123. }
```

As you may see from the above code, it has functionality to add, replace, update, and delete records to the table.

## Step 5. Build UI Application

Now, we create the Web application in Angular 7 that will consume Web API.

First we have to make sure that we have Angular CLI installed.

Open command prompt and type below code and press ENTER:

```
npm install -g @angular/cli
```

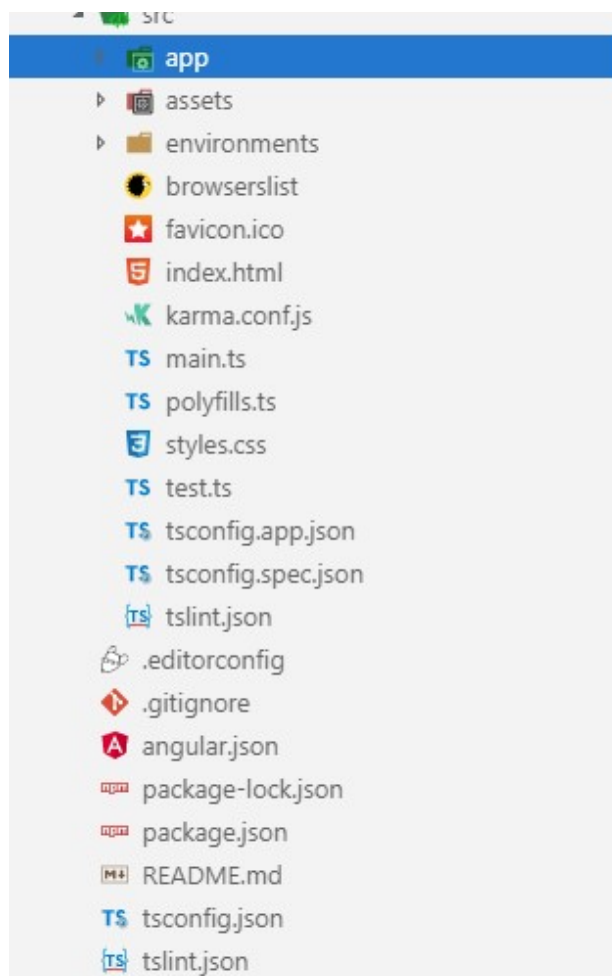
Now, open Visual Studio Code and create a project.

Open TERMINAL in Visual Studio Code and type the following syntax to create a new project. We name it Angularcrud.

```
ng new Angularcrud
```

After that, hit ENTER. It will take a while to create the project.

Once created, the project should look like this.



Now, we can create some components to provide the UI.

I'm going to create a new component, Employee.

Go to the TERMINAL and go our angular project location using the following command:

*cd projectName*

```
E:\AngularExample\CRUDwithAngular5>cd Angularcrud
E:\AngularExample\CRUDwithAngular5\Angularcrud>
```

Now, write the following command that will create a component.

*ng g c employee*

Press ENTER.

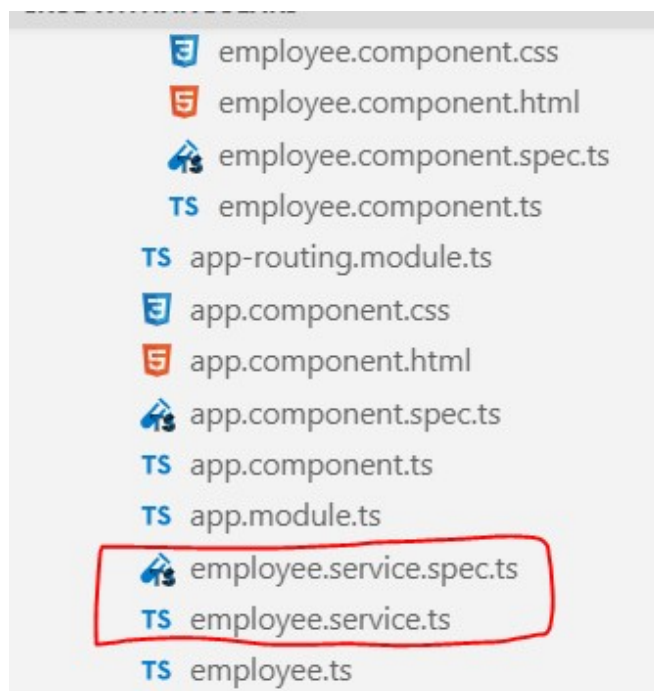
## Step 6: Create a Service

Now, we will create a service.

Open the TERMINAL and write the below command:

```
ng g s employee
```

Press ENTER and you will see two service files.



Now, we create a class like model class.

Open TERMINAL and write the below command:

```
ng g class employee
```

Now, write all properties of the Employee class related to an employee that matches with the database.

```
01. export class Employee {  
02.     EmpId: string;  
03.     EmpName: string;  
04.     DateOfBirth: Date;  
05.     EmailId: string;  
06.     Gender: string;
```



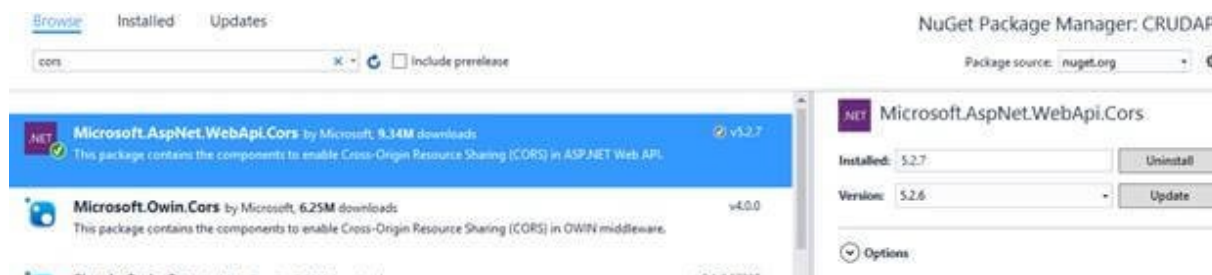
Now, open employee.service.ts and first import necessary class and libraries and then make calls to the WebAPI methods.

```
01. import { Injectable } from '@angular/core';
02. import { HttpClient } from '@angular/common/http';
03. import { HttpHeaders } from '@angular/common/http';
04. import { Observable } from 'rxjs';
05. import { Employee } from './employee';
06.
07. After that we write all methods related to consume web in employee.servic
08. @Injectable({
09.   providedIn: 'root'
10. })
11.
12. export class EmployeeService {
13.   url = 'http://localhost:65389/Api/Employee';
14.   constructor(private http: HttpClient) { }
15.   getAllEmployee(): Observable<Employee[]> {
16.     return this.http.get<Employee[]>
17.     (this.url + '/AllEmployeeDetails');
18.   }
19.   getEmployeeById(employeeId: string): Observable<Employee> {
20.     return this.http.get<Employee>
21.     (this.url + '/GetEmployeeDetailsById/' + employeeId);
22.   }
23.   createEmployee(employee: Employee): Observable<Employee> {
24.     const httpOptions = { headers: new HttpHeaders({ 'Content-
25.     Type': 'application/json'}) };
26.     return this.http.post<Employee>
27.     (this.url + '/InsertEmployeeDetails/',
28.     employee, httpOptions);
29.   }
30.   updateEmployee(employee: Employee): Observable<Employee> {
31.     const httpOptions = { headers: new HttpHeaders({ 'Content-
32.     Type': 'application/json'}) };
33.     return this.http.put<Employee>
34.     (this.url + '/UpdateEmployeeDetails/',
35.     employee, httpOptions);
36.   }
37.   deleteEmployeeById(employeeid: string): Observable<number> {
38.     const httpOptions = { headers: new HttpHeaders({ 'Content-
39.     Type': 'application/json'}) };
40.     return this.http.delete<number>
41.     (this.url + '/DeleteEmployeeDetails?id=' +employeeid,
42.     httpOptions);
43.   }
44. }
```

## First, let's resolve this problem.

Go to the Web API project.

Download a Nuget package for CORS. Go to NuGet Package Manager and download the following file.



After that, go to App\_Start folder in Web API project and open WebApiConfig.cs class. Here, modify the Register method with the below code.

```
01. Add namespace
02. using System.Web.Http.Cors;
03. var cors = new EnableCorsAttribute("*", "*", "*");
    //origins,headers,methods
04. config.EnableCors(cors);
```

## Step 7. Install and Configure Angular Material Theme

As I said earlier, we will use Angular Material theme to create a rich, interactive and device-oriented UI for our Web app.

Let's install Install Angular Material theme.

Open TERMINAL again and write the below command:

```
npm install --save @angular/material @angular/cdk @angular/animations
```

If you want learn more about Angular Material, visit here: [link](#).

After installed successfully, we can check in package.json file.

```

"@angular/compiler": "~7.0.0",
"@angular/core": "~7.0.0",
"@angular/forms": "~7.0.0",
"@angular/http": "~7.0.0",
"@angular/material": "^7.2.0",
"@angular/platform-browser": "~7.0.0",
"@angular/platform-browser-dynamic": "~7.0.0",
"@angular/router": "~7.0.0",
"@ng-bootstrap/ng-bootstrap": "^4.0.1",
"bootstrap": "^4.1.3",
"core-js": "^2.5.4",
"rxjs": "~6.3.3",
"zone.js": "~0.8.26"
},

```

Now, let's add all required libraries in app.module.ts. We also import a date picker because we'll use the date picker for date of birth field.

Now, open app.module.ts class and write the below code.

```

01. import { BrowserModule } from '@angular/platform-browser';
02. import { NgModule } from '@angular/core';
03. import { EmployeeService } from './employee.service';
04. import { FormsModule, ReactiveFormsModule } from '@angular/forms';
05. import { HttpClientModule, HttpClient } from '@angular/common/http';
06. import {
07.   MatButtonModule, MatMenuModule, MatDatepickerModule, MatNativeDateModule
08.   MatInputModule, MatTooltipModule, MatToolbarModule
09. } from '@angular/material';
10. import { MatRadioModule } from '@angular/material/radio';
11. import { BrowserAnimationsModule } from '@angular/platform-browser
    /animations';
12.
13. import { AppRoutingModule } from './app-routing.module';
14. import { AppComponent } from './app.component';
15. import { EmployeeComponent } from './employee/employee.component';
16.
17. @NgModule({
18.   declarations: [
19.     AppComponent,
20.     EmployeeComponent
21.   ],
22.   imports: [
23.     BrowserModule,

```

```

28.     MatButtonModule,
29.     MatMenuModule,
30.     MatDatepickerModule,
31.     MatNativeDateModule,
32.     MatIconModule,
33.     MatRadioModule,
34.     MatCardModule,
35.     MatSidenavModule,
36.     MatFormFieldModule,
37.     MatInputModule,
38.     MatTooltipModule,
39.     MatToolbarModule,
40.     AppRoutingModule
41. ],
42. providers: [HttpClientModule, EmployeeService, MatDatepickerModule],
43. bootstrap: [AppComponent]
44. })
45. export class AppModule { }

```

Now, we have to import library in styles.css file.

```

01. | @import '@angular/material/prebuilt-themes/indigo-pink.css';

```

## Step 8. Design HTML

Let's design our html page now.

Open employee.component.html and write the below code.

```

01. <div class="container">
02.
03. <mat-card>
04.   <mat-toolbar color="accent">
05.     <div align="center" style="color:white;text-align: right;">
06.       CRUD operation in Angular 7 using Web api and Sql Database
07.     </div>
08.   </mat-toolbar>
09.   <br><br>
10.   <mat-card-content>
11.     <form [formGroup]="employeeForm"
12.     (ngSubmit)="onFormSubmit(employeeForm.value)">
13.       <table>
14.         <tr>
15.           <td class="tbl1">
16.             <mat-form-field class="demo-full-width">
17.               <input formControlName="EmpName" matTooltip="Enter

```

```

21.         </td>
22.         <td class="tbl1">
23.             <mat-form-field class="demo-full-width">
24.                 <input matInput [matDatepicker]="picker" matTooltip="E
25.                 <mat-datepicker-toggle matSuffix [for]="picker">
</mat-datepicker-toggle>
26.                 <mat-datepicker #picker></mat-datepicker>
27.             </mat-form-field>
28.             <mat-error>
29.                 <span *ngIf="!employeeForm.get('DateOfBirth').value &
</span>
30.             </mat-error>
31.         </td>
32.         <td class="tbl1">
33.             <mat-form-field class="demo-full-width">
34.                 <input formControlName="EmailId" matTooltip="Enter Em
35.             </mat-form-field>
36.             <mat-error>
37.                 <span *ngIf="!employeeForm.get('EmailId').value && em
</span>
38.             </mat-error>
39.         </td>
40.     </tr>
41.     <tr>
42.         <td class="tbl1">
43.             <span>Gender</span>
44.             <br><br>
45.             <mat-radio-
group matTooltip="Enter Gender" formControlName="Gender">
46.                 <mat-radio-button value="0">Male</mat-radio-
button>
47.                 <mat-radio-button value="1">Female</mat-radio-
button>
48.             </mat-radio-group>
49.             <mat-error>
50.                 <span *ngIf="!employeeForm.get('Gender').value && emp
</span>
51.             </mat-error>
52.         </td>
53.         <td class="tbl1">
54.             <mat-form-field class="demo-full-width">
55.                 <input matTooltip="Enter Address" formControlName="Add
56.             </mat-form-field>
57.             <mat-error>
58.                 <span *ngIf="!employeeForm.get('Address').value && em
</span>
59.             </mat-error>
60.         </td>

```

```

65.         <mat-error>
66.             <span *ngIf="!employeeForm.get('PinCode').value && em
</span>
67.         </mat-error>
68.     </td>
69. </tr>
70. <tr>
71.     <td></td>
72.     <td class="content-center">
73.         <button type="submit" mat-raised-
button color="accent"matTooltip="Click Submit Button"
[disabled]="!employeeForm.valid">Submit</button>
74.         <button type="reset" mat-raised-
button color="accent"matTooltip="Click Reset Button" (click)="resetForm()
75.     </td>
76.     <td>
77.         <p *ngIf="dataSaved" style="color:rgb(0, 128, 0);font-
size:20px;font-weight:bold" Class="success" align="left">
78.             {{message}}
79.         </p>
80.     </td>
81. </tr>
82. </table>
83. <br><br>
84.     <table class="table" >
85.         <tr ngclass="btn-primary">
86.             <th class="tbl2">Employee Name</th>
87.             <th class="tbl2">Date Of Birth</th>
88.             <th class="tbl2">Email Id</th>
89.             <th class="tbl2">Gender</th>
90.             <th class="tbl2">Address</th>
91.             <th class="tbl2">Pine Code</th>
92.             <th class="tbl2">Edit</th>
93.             <th class="tbl2">Delete</th>
94.         </tr>
95.         <tr *ngFor="let employee of allEmployees | async">
96.             <td class="tbl2">{{employee.EmpName}}</td>
97.             <td class="tbl2">{{employee.DateOfBirth | date }}</td>
98.             <td class="tbl2">{{employee.EmailId}}</td>
99.             <td class="tbl2">
{{employee.Gender ==0? 'Male' : 'Female'}}</td>
100.            <td class="tbl2">{{employee.Address}}</td>
101.            <td class="tbl2">{{employee.PinCode}}</td>
102.            <td class="tbl2">
103.                <button type="button" class="btn btn-
info"matTooltip="Click Edit Button"
(click)="loadEmployeeToEdit(employee.EmpId)">Edit</button>
104.            </td>

```

```

107.         </td>
108.     </tr>
109.
110. </table>
111. </form>
112. </mat-card-content>
113. </mat-card>
114. </div>

```

## Step 9

Open app.component.html and write the below code.

```

01. <p>
02.   <app-employee></app-employee>
03. </p>

```

## Step 10

Open employee.component.ts file and write the below code.

```

01. import { Component, OnInit } from '@angular/core';
02. import { FormBuilder, Validators } from '@angular/forms';
03. import { Observable } from 'rxjs';
04. import { EmployeeService } from '../employee.service';
05. import { Employee } from '../employee';
06.
07. @Component({
08.   selector: 'app-employee',
09.   templateUrl: './employee.component.html',
10.   styleUrls: ['./employee.component.css']
11. })
12. export class EmployeeComponent implements OnInit {
13.   dataSaved = false;
14.   employeeForm: any;
15.   allEmployees: Observable<Employee[]>;
16.   employeeIdUpdate = null;
17.   message = null;
18.
19.   constructor(private formbulider: FormBuilder, private employeeService:E
20.
21.   ngOnInit() {
22.     this.employeeForm = this.formbulider.group({
23.       EmpName: ['', [Validators.required]],
24.       DateOfBirth: ['', [Validators.required]],
25.       EmailId: ['', [Validators.required]],
26.       Gender: ['', [Validators.required]],

```

```
31.     }
32.     loadAllEmployees() {
33.         this.allEmployees = this.employeeService.getAllEmployee();
34.     }
35.     onFormSubmit() {
36.         this.dataSaved = false;
37.         const employee = this.employeeForm.value;
38.         this.CreateEmployee(employee);
39.         this.employeeForm.reset();
40.     }
41.     loadEmployeeToEdit(employeeId: string) {
42.         this.employeeService.getEmployeeById(employeeId).subscribe(employee=>
43.             this.message = null;
44.             this.dataSaved = false;
45.             this.employeeIdUpdate = employee.EmpId;
46.             this.employeeForm.controls['EmpName'].setValue(employee.EmpName);
47.             this.employeeForm.controls['DateOfBirth'].setValue(employee.DateOfBi
48.             this.employeeForm.controls['EmailId'].setValue(employee.EmailId);
49.             this.employeeForm.controls['Gender'].setValue(employee.Gender);
50.             this.employeeForm.controls['Address'].setValue(employee.Address);
51.             this.employeeForm.controls['PinCode'].setValue(employee.PinCode);
52.         });
53.
54.     }
55.     CreateEmployee(employee: Employee) {
56.         if (this.employeeIdUpdate == null) {
57.             this.employeeService.createEmployee(employee).subscribe(
58.                 () => {
59.                     this.dataSaved = true;
60.                     this.message = 'Record saved Successfully';
61.                     this.loadAllEmployees();
62.                     this.employeeIdUpdate = null;
63.                     this.employeeForm.reset();
64.                 }
65.             );
66.         } else {
67.             employee.EmpId = this.employeeIdUpdate;
68.             this.employeeService.updateEmployee(employee).subscribe(() => {
69.                 this.dataSaved = true;
70.                 this.message = 'Record Updated Successfully';
71.                 this.loadAllEmployees();
72.                 this.employeeIdUpdate = null;
73.                 this.employeeForm.reset();
74.             });
75.         }
76.     }
77.     deleteEmployee(employeeId: string) {
78.         if (confirm("Are you sure you want to delete this ?")) {
```



```

83.         this.employeeIdUpdate = null;
84.         this.employeeForm.reset();
85.
86.     });
87. }
88. }
89. resetForm() {
90.     this.employeeForm.reset();
91.     this.message = null;
92.     this.dataSaved = false;
93. }
94. }

```

## Step 11. Run

We have completed all needed code functionality for our CRUD operations. Before running the application, first make sure save your work.

Now, let's run the app and see how it works.

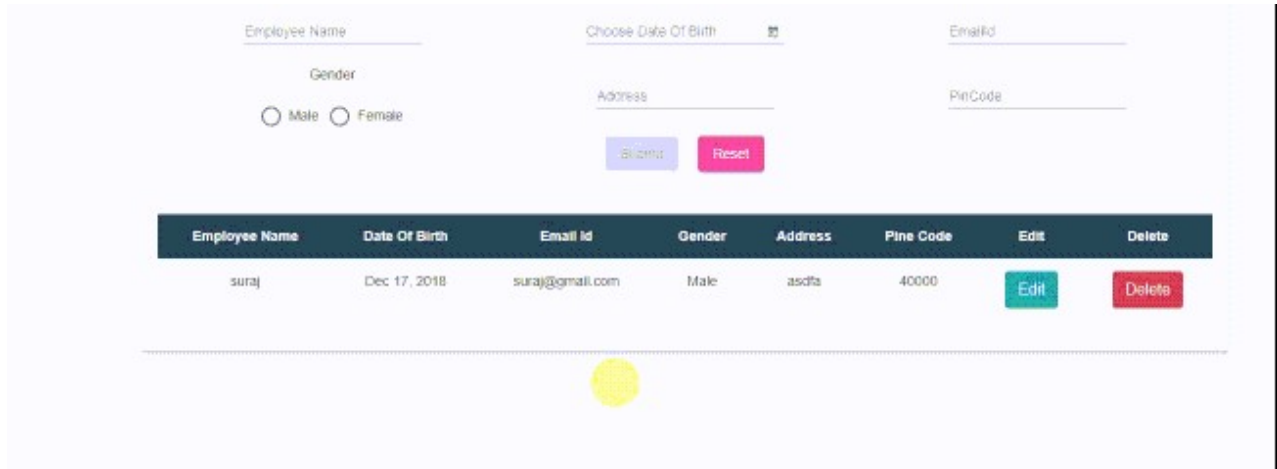
Open TERMINAL and write the following command to run the program.

*ng serve -o*

The output looks like the following image. It's a stunning UI created with CRUD operations.



Employee Name	Date Of Birth	Email Id	Gender	Address	Pine Code	Edit	Delete
Mithilesh Kumar	Apr 14, 1992	mithilesh@gmail.com	Male	Hyderabad	500038	<button>Edit</button>	<button>Delete</button>
Mahesh	Jun 15, 1993	maresh@gmail.com	Male	Delhi	70000	<button>Edit</button>	<button>Delete</button>



The screenshot displays a web application interface for managing employees. At the top, there is a form with the following fields: "Employee Name" (text input), "Choose Date Of Birth" (date picker), "EmailId" (text input), "Gender" (radio buttons for Male and Female), "Address" (text input), and "PinCode" (text input). Below the form are two buttons: "Submit" (blue) and "Reset" (pink). Below the form is a table with the following columns: "Employee Name", "Date Of Birth", "Email Id", "Gender", "Address", "Pine Code", "Edit", and "Delete". The table contains one row of data: "suraj", "Dec 17, 2018", "suraj@gmail.com", "Male", "asdft", "40000". Below the table are two buttons: "Edit" (green) and "Delete" (red). A yellow circle is drawn on the table row.

Employee Name	Date Of Birth	Email Id	Gender	Address	Pine Code	Edit	Delete
suraj	Dec 17, 2018	suraj@gmail.com	Male	asdft	40000	<a href="#">Edit</a>	<a href="#">Delete</a>

Congratulations!

You've finished a completed Web app with CRUD functionality. The App uses a Web API to provide data access from a SQL Server.

Now, start playing with the app by adding, updating, and deleting data.

Thank you for reading my article.

Angular

CRUD Operation In Angular 7

Database Of SQL Server

SQL Server

Web API In .NET



381

834.9k

1

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Fyi there are a couple of errors you will get if the database table is not setup correctly. System.Data.Entity.Core.OptimisticConcurrencyException and Cannot insert the value NULL into column column does not allow nulls insert fails you need to create the table using the following script. CREATE TABLE EmployeeDetails ( EmpId INT PRIMARY KEY IDENTITY(1,1), EmpName VARCHAR(50) , DateOfBirth DATE, EmailId VARCHAR(50), Gender NCHAR(10), Address VARCHAR(100), PinCode VARCHAR(50) )

[derek rock](#)

Apr 12, 2019

1759 19 0

0 0 Reply



Hi Mithilesh. Great tutorial, Getting a SqlException: Cannot insert the value NULL into column 'EmpId', table 'Test.dbo.EmployeeDetails'; column does not allow nulls. This does not happen on update, only insert. Any ideas? Thank You in Advance!

[derek rock](#)

Apr 11, 2019

1759 19 0

0 1 Reply



Hi rock in this example i set primary key autoincrement in sql table so no need to insert of empid because empid is primary key so i think you did not set primary key identity

[Mithilesh Kumar](#)

Apr 13, 2019

381 4.6k 834.9k

0



Nice....thankyou sir..

[Nayeem Mansoori](#)

Apr 03, 2019

1623 155 5k

1 0 Reply



Good explanation for CRUD.....

[Hamid Khan](#)

Mar 20, 2019

587 2.4k 187.7k

0 1 Reply



Thank you Hamid for valuable feedback....

[Mithilesh Kumar](#)

Mar 20, 2019

381 4.6k 834.9k



Thank you Ibrahim...For debugger tool you can use Augury you get more details this link <https://augury.rangle.io/>

Mithilesh Kumar

Mar 20, 2019

381 4.6k 834.9k

1



How to get value from mat-radio-button tag after clicking getEmployeeById()

NTDP Murthy

Mar 04, 2019

1759 19 0

0 1 Reply



You send the parameter in getEmployeeById() method in ts file like  
getEmployeeById(value){ console.log(" Value is : ", value );}

Mithilesh Kumar

Mar 04, 2019

381 4.6k 834.9k

1



Would you happen to know why the imported material theme does not apply to the table?

Jacob

Mar 01, 2019

1776 2 0

1 1 Reply



Thank you I used here only them on page and also applied on the fields. I used table  
only set the alignment or you can use without table..

Mithilesh Kumar

Mar 01, 2019

381 4.6k 834.9k

0



Import { Lancamento } from './lancamento.model';Export class Employee { EmplId: string;  
EmpName: string; DateOfBirth: Date; EmailId: string; Gender: string; Address: string; PinCode:  
string; public lancamentos?: Lancamento[], } what would a combobox look like if it had a  
relationship?

Junior Ferreira

Feb 21, 2019

1771 7 0

0 1 Reply



Can you explain in more clear ?...

Mithilesh Kumar

Feb 21, 2019

381 4.6k 834.9k

0



Nice! but can you provide scrolling functionality to this table.

Somnath Agwan

Feb 12, 2019

1744 34 0

0 0 Reply



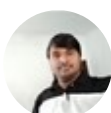
Please give an example with login functionality also

Uma PI

Feb 07, 2019

1449 329 242

1 1 Reply



Sure..I will post in later article ...

Mithilesh Kumar

Feb 07



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