Milestone Assessment 5

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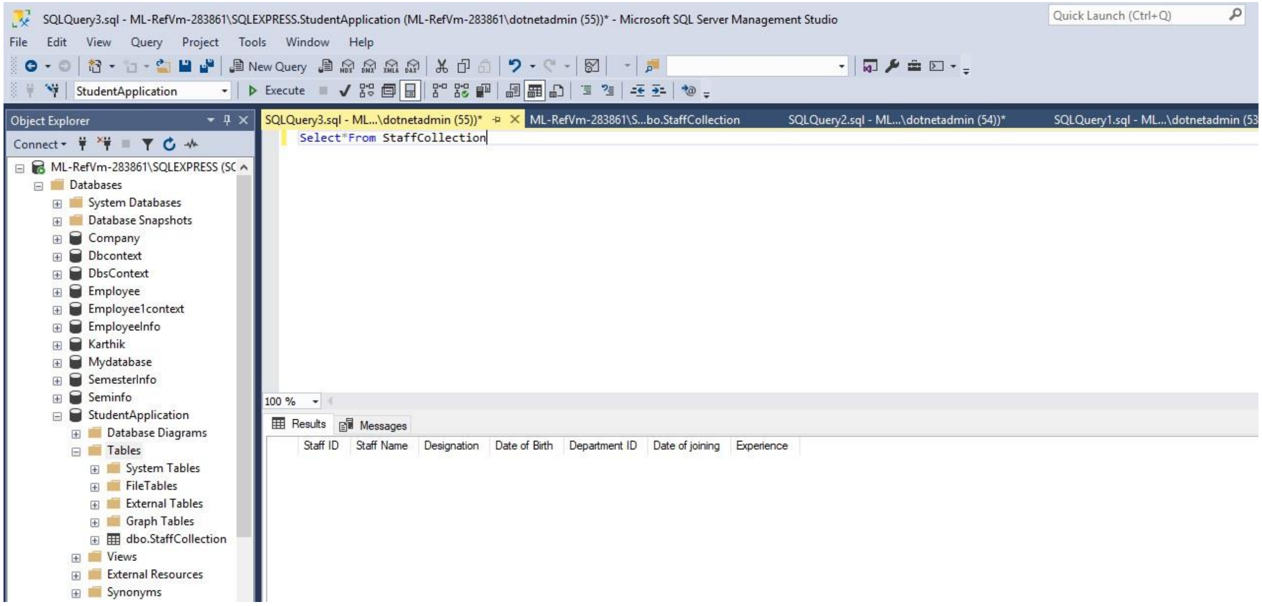
Mid : M1082626


SQLQuery3.sql - ML-RefVm-283861\SQLEXPRESS.StudentApplication (ML-RefVm-283861\dotnetadmin (55))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
StudentApplication
Execute
Object Explorer
Connect
ML-RefVm-283861\SQLEXPRESS (SC
Databases
System Databases
Database Snapshots
Company
Dbcontext
DbsContext
Employee
Employee1context
EmployeeInfo
Karthik
Mydatabase
SemesterInfo
Seminfo
StudentApplication
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
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Views
External Resources
Synonyms
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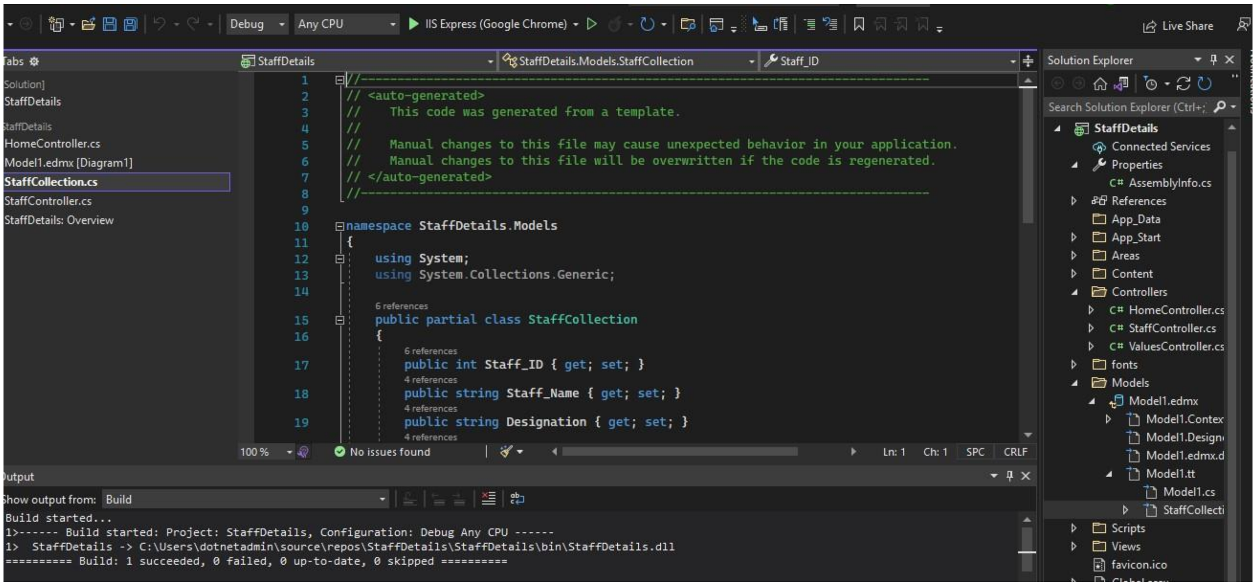
SQLQuery2.sql - ML...\dotnetadmin (54))*
SQLQuery1.sql - ML...\dotnetadmin (53
100 %
Results
Messages

```sql
Select*From StaffCollection
```

Staff ID	Staff Name	Designation	Date of Birth	Department ID	Date of joining	Experience

Controller Model



```csharp
//------------------------------------------------------------------------------
// <auto-generated>
//     This code was generated from a template.
//
//     Manual changes to this file may cause unexpected behavior in your application.
//     Manual changes to this file will be overwritten if the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

namespace StaffDetails.Models
{
    using System;
    using System.Collections.Generic;

    6 references
    public partial class StaffCollection
    {
        6 references
        public int Staff_ID { get; set; }
        4 references
        public string Staff_Name { get; set; }
        4 references
        public string Designation { get; set; }
        4 references
```

```
Build started...
1>------ Build started: Project: StaffDetails, Configuration: Debug Any CPU ------
1>  StaffDetails -> C:\Users\dotnetadmin\source\repos\StaffDetails\StaffDetails\bin\StaffDetails.dll
========== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ==========
```

Controller Code

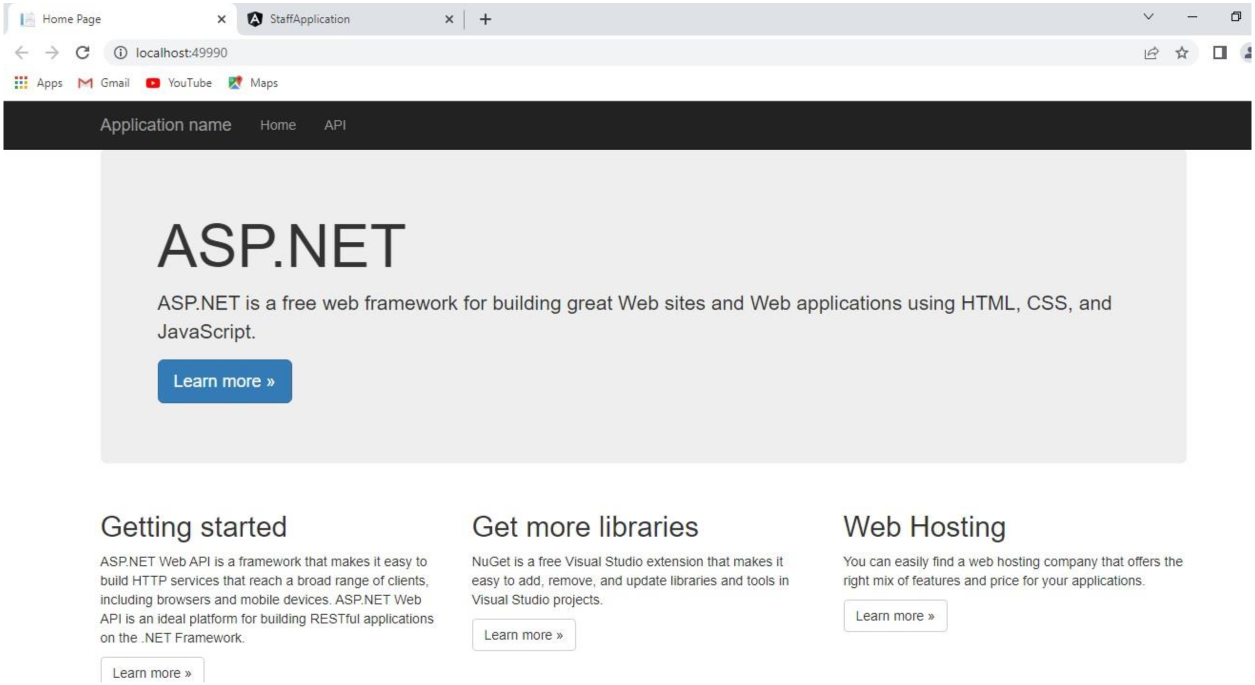
using System;
using System.Collections.Generic; using
System.Linq; using System.Net; using

```
System.Net.Http; using System.Web.Http;
using StaffDetails.Models;


namespace StaffDetails.Controllers
{
    public class StaffController : ApiController
    {
        StudentApplicationEntities EN = new StudentApplicationEntities();
        [Route("StudentInsert")]
        [HttpPost]
        public object StudentInsert(StaffCollection objVM)
        {            try
{
                if (objVM.Staff_ID == 0)
                {
                    var objlm = new StaffCollection();                    objlm.Staff_Name = objVM.Staff_Name;
objlm.Designation = objVM.Designation;                    objlm.Date_of_Birth = objVM.Date_of_Birth;
objlm.Department_ID = objVM.Department_ID;                    objlm.Date_of_joining =
objVM.Date_of_joining;                    objlm.Experience = objVM.Experience;


                    EN.StaffCollections.Add(objlm);
                    EN.SaveChanges();                    return new
                    { Status = "Success", Message = "SuccessFully Saved." };
                }                else
{
                    var objlm = EN.StaffCollections.Where(s => s.Staff_ID ==
objVM.Staff_ID).ToList<StaffCollection>().FirstOrDefault();                    if (objlm.Staff_ID > 0)
                    {
                        objlm.Staff_Name = objVM.Staff_Name;                        objlm.Designation = objVM.Designation;
objlm.Date_of_Birth = objVM.Date_of_Birth;                        objlm.Department_ID = objVM.Department_ID;
objlm.Date_of_joining = objVM.Date_of_joining;                        objlm.Department_ID =
objVM.Department_ID;

                        EN.SaveChanges();                        return new
                        { Status = "Success", Message = "SuccessFully Update." };                    }                    return new
                    { Status = "Error", Message = "Invalid." };
                }            }
            catch (Exception ex)
            {
                return new
                { Status = "Error", Message = ex.Message.ToString() };
            }
        }
        [Route("GetStudentData")]
        [HttpGet]
        public object GetStudentData()
        {
            var obj = from u in EN.StaffCollections                    select u;
return obj;
        }
        [Route("GetStudentById")]
        [HttpGet]
        public object GetStudentById(int Id)
        {
            return EN.StaffCollections.Where(s => s.Staff_ID ==
Id).ToList<StaffCollection>().FirstOrDefault();
        }
        [Route("DeleteStudent")]
        [HttpGet]
        public object  DeleteStudent(int Id)
        {       try
{
                var objlm = EN.StaffCollections.Where(s => s.Staff_ID ==
Id).ToList<StaffCollection>().FirstOrDefault();
                EN.StaffCollections.Remove(objlm);
                EN.SaveChanges();                 return new
                { Status = "Success", Message = "SuccessFully Delete." };
            }
            catch (Exception ex)
            {
                return new
                { Status = "Error", Message = ex.Message.ToString() };
            }
        }
    }
}
```



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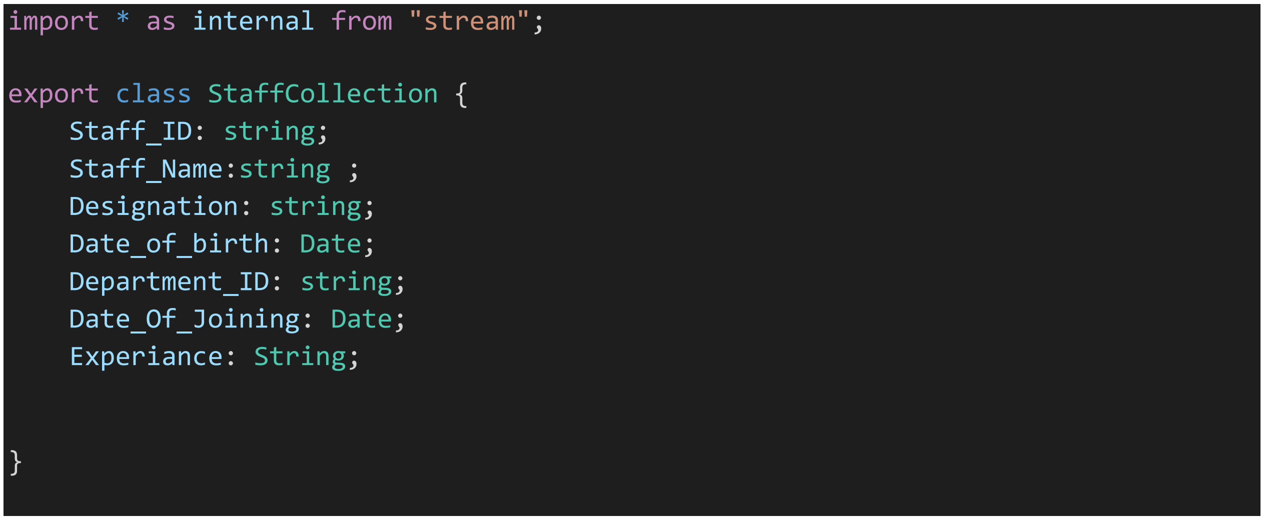
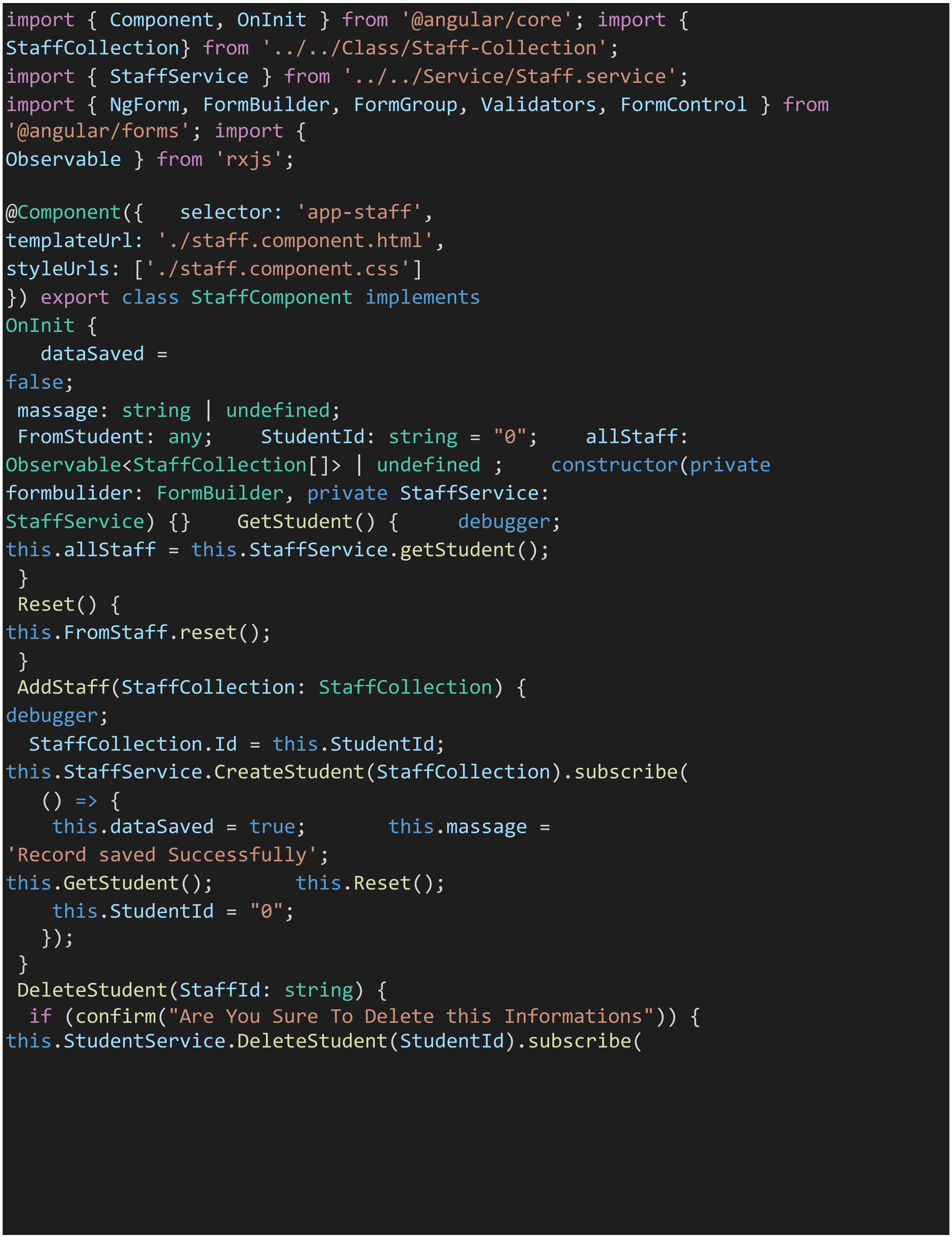
StaffCollection.ts



```
import * as internal from "stream";

export class StaffCollection {
    Staff_ID: string;
    Staff_Name:string ;
    Designation: string;
    Date_of_birth: Date;
    Department_ID: string;
    Date_Of_Joining: Date;
    Experiance: String;


}
```

StaffComponent.ts



```
import { Component, OnInit } from '@angular/core'; import {
StaffCollection} from '../../Class/Staff-Collection';
import { StaffService } from '../../Service/Staff.service';
import { NgForm, FormBuilder, FormGroup, Validators, FormControl } from
'@angular/forms'; import {
Observable } from 'rxjs';

@Component({   selector: 'app-staff',
templateUrl: './staff.component.html',
styleUrls: ['./staff.component.css']
}) export class StaffComponent implements
OnInit {
   dataSaved =
false;
 massage: string | undefined;
 FromStudent: any;    StudentId: string = "0";    allStaff:
Observable<StaffCollection[]> | undefined ;    constructor(private
formbulider: FormBuilder, private StaffService:
StaffService) {}    GetStudent() {     debugger;
this.allStaff = this.StaffService.getStudent();
 }
 Reset() {
this.FromStaff.reset();
 }
 AddStaff(StaffCollection: StaffCollection) {
debugger;
  StaffCollection.Id = this.StudentId;
this.StaffService.CreateStudent(StaffCollection).subscribe(
   () => {
    this.dataSaved = true;       this.massage =
'Record saved Successfully';
this.GetStudent();       this.Reset();
    this.StudentId = "0";
   });
 }
 DeleteStudent(StaffId: string) {
  if (confirm("Are You Sure To Delete this Informations")) {
this.StudentService.DeleteStudent(StudentId).subscribe(
    () => {        this.dataSaved = true;
this.massage = "Deleted Successfully";
this.GetStudent();
    }
   );
  }
 }
 StudentEdit(StudentId: string) {     debugger;
this.StudentService.getStudentById(StudentId).subscribe((Response: { Staff_ID:
string; Staff_Name: any; Designation: any; Date_of_Birth: any; Department_ID:
any;  }) => {
         this.dataSaved = false;      debugger;      this.StudentId =
Response.Staff_ID;
this.FromStaff.controls['StaffName'].setValue(Response.Staff_Name);
this.FromStaff.controls['Designation'].setValue(Response.Designation);
this.FromStaff.controls['Date of Birth'].setValue(Response.Date_of_Birth);
this.FromStaff.controls['Experience'].setValue(Response.Department_ID);
  });    }
ngOnInit(): void {
  this.FromStudent      =      this.formbulider.group({
StaffId: ['', [Validators.required]],
   StaffName: ['', [Validators.required]],
   Designation: ['', [Validators.required]],
   Date of Joining: ['', [Validators.required]],
   Experience: ['', [Validators.required]],
  });
  this.GetStaff();
 }
```

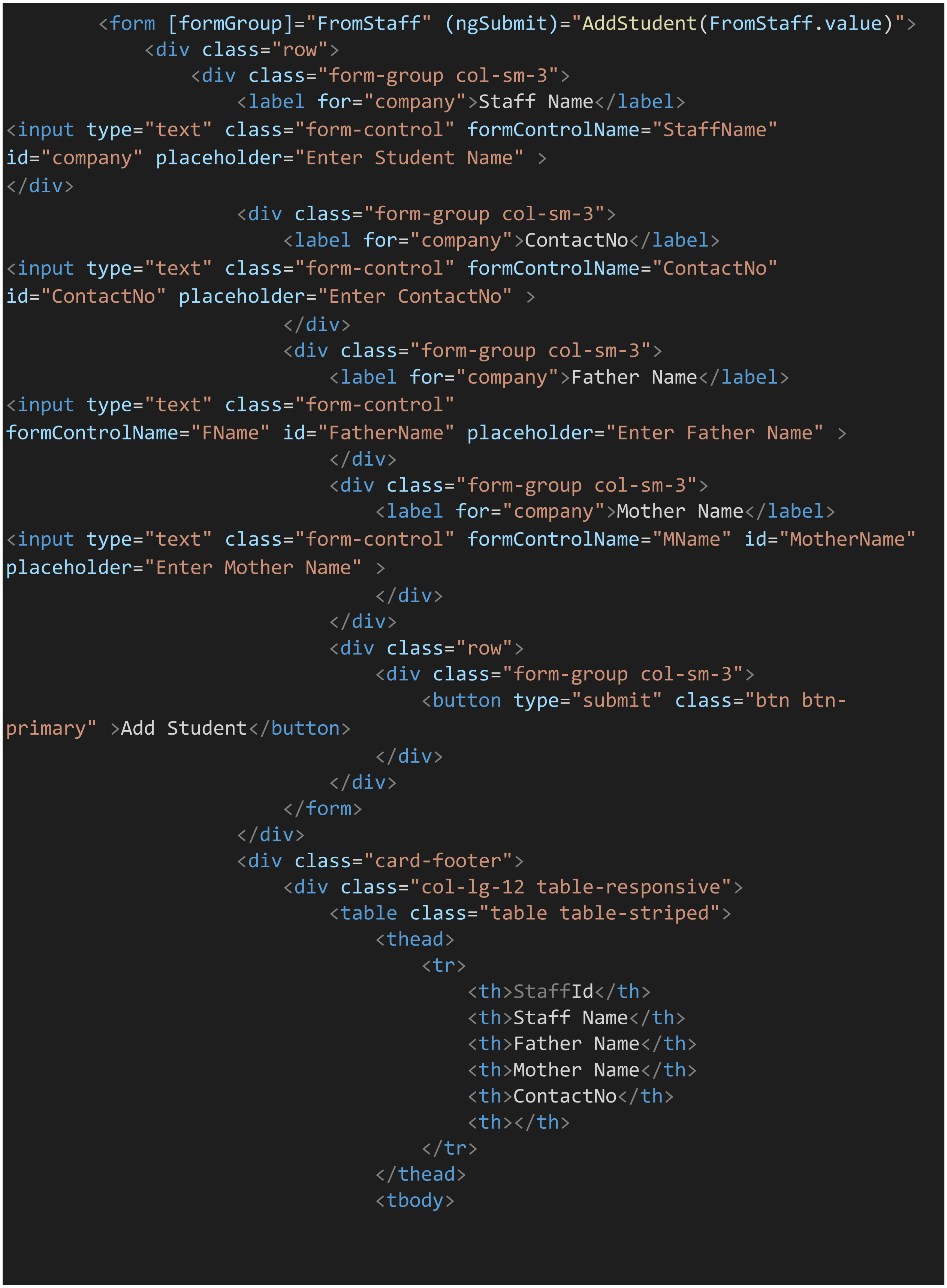
StaffService.ts

```
import { Injectable } from '@angular/core';     import
{HttpClient} from '@angular/common/http';     import
{HttpHeaders} from '@angular/common/http';     import {
Observable } from 'rxjs';     import { StaffCollection }
from '../Class/StaffCollection';
```

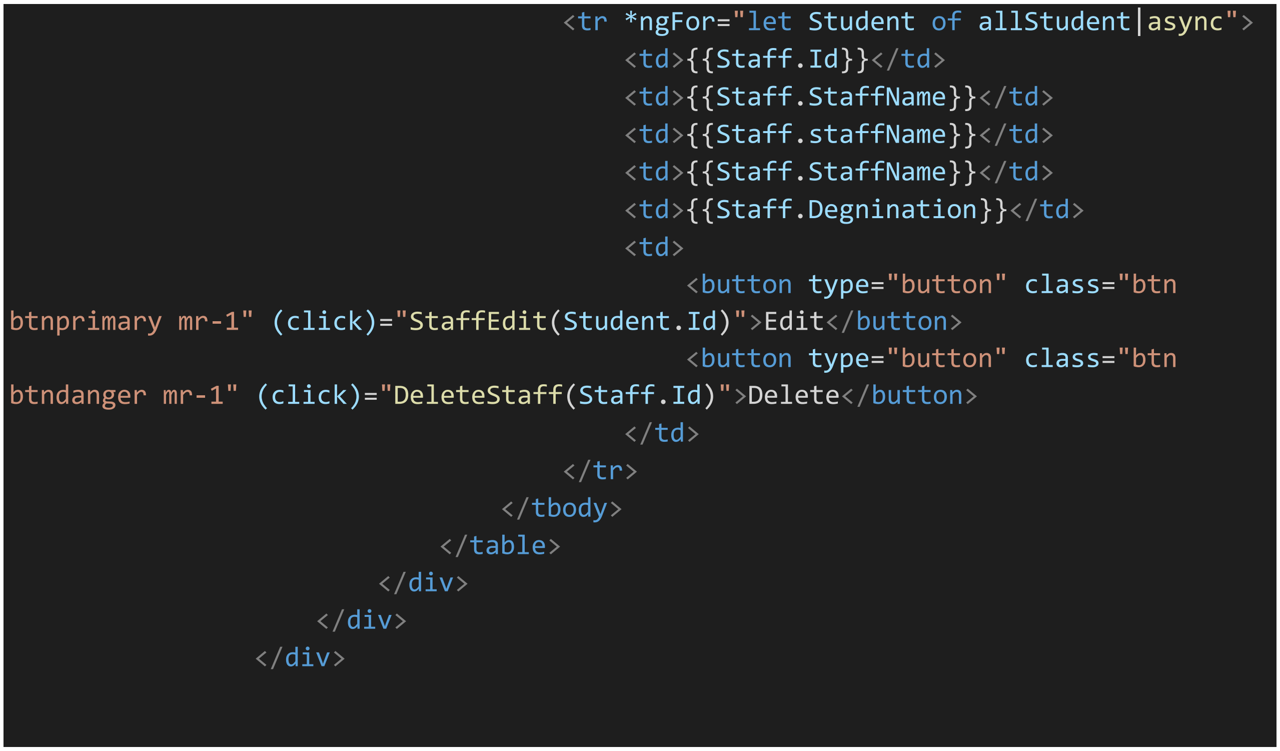
```
@Injectable({
providedIn: 'root'
}) export class
StaffService {

  Url = 'http://localhost:54996/Api';
constructor(private http:HttpClient) { }
getStaff():Observable<StaffCollection[]>
  {          return
this.http.get<StaffCollection[]>(this.Url +
'/student/GetStaffData');
  }
  CreateStaff(OutletVM:StaffCollection):Observable<StaffCollection[]>
  {        const httpOptions = { headers: new HttpHeaders({
'Content-Type':
'application/json' }) };
    return this.http.post<StaffCollection[]>(this.Url + '/student/StaffInsert/',
OutletVM, httpOptions)
  }
  DeleteStaff(StaffId:string):Observable<number>
  {          return
this.http.get<number>(this.Url +
'/student/DeleteStaff?Id='+StaffId);
  }        getStudentById(StaffId: string): Observable<StaffCollection> {
return this.http.get<StaffCollection>(this.Url + '/student/GetStaffById?Id='
+ Staff_Id);
  }
}

}
```

StaffComponent.Html

```
<p>staff works!</p>
<div class="card">
    <div class="card-header" style="text-align:center">
        <b>WEL COME TO STUDENT CURD OPERATION</b>
    </div>
    <div class="card-body">
```



```
        <form [formGroup]="FromStaff" (ngSubmit)="AddStudent(FromStaff.value)">
            <div class="row">
                <div class="form-group col-sm-3">
                    <label for="company">Staff Name</label>
<input type="text" class="form-control" formControlName="StaffName"
id="company" placeholder="Enter Student Name" >
</div>
                    <div class="form-group col-sm-3">
                        <label for="company">ContactNo</label>
<input type="text" class="form-control" formControlName="ContactNo"
id="ContactNo" placeholder="Enter ContactNo" >
                        </div>
                        <div class="form-group col-sm-3">
                            <label for="company">Father Name</label>
<input type="text" class="form-control"
formControlName="FName" id="FatherName" placeholder="Enter Father Name" >
                            </div>
                            <div class="form-group col-sm-3">
                                <label for="company">Mother Name</label>
<input type="text" class="form-control" formControlName="MName" id="MotherName"
placeholder="Enter Mother Name" >
                                </div>
                            </div>
                            <div class="row">
                                <div class="form-group col-sm-3">
                                    <button type="submit" class="btn btn-
primary" >Add Student</button>
                                </div>
                            </div>
                        </form>
                    </div>
                    <div class="card-footer">
                        <div class="col-lg-12 table-responsive">
                            <table class="table table-striped">
                                <thead>
                                    <tr>
                                        <th>StaffId</th>
                                        <th>Staff Name</th>
                                        <th>Father Name</th>
                                        <th>Mother Name</th>
                                        <th>ContactNo</th>
                                        <th></th>
                                    </tr>
                                </thead>
                                <tbody>
```



```
                                    <tr *ngFor="let Student of allStudent|async">
                                        <td>{{Staff.Id}}</td>
                                        <td>{{Staff.StaffName}}</td>
                                        <td>{{Staff.staffName}}</td>
                                        <td>{{Staff.StaffName}}</td>
                                        <td>{{Staff.Degnination}}</td>
                                        <td>
                                            <button type="button" class="btn
btnprimary mr-1" (click)="StaffEdit(Student.Id)">Edit</button>
                                            <button type="button" class="btn
btndanger mr-1" (click)="DeleteStaff(Staff.Id)">Delete</button>
                                        </td>
                                    </tr>
                                </tbody>
                            </table>
                        </div>
                    </div>
                </div>
```