

WebAPI

Assignment 1

1- Implement HTTP web service that manage SD courses :

- create table in database to manage your courses like this
Using Code First approach :

	Column Name	Data Type	Allow Nulls
1	ID	int	<input type="checkbox"/>
2	Crs_name	nvarchar(50)	<input checked="" type="checkbox"/>
3	crs_desc	nvarchar(150)	<input checked="" type="checkbox"/>
4	Duration	int	<input checked="" type="checkbox"/>

- Service includes the following methods(**Don't Change Method Name**):

- **get()**
 - If found any course : return **200** status code + List<course>.
 - If not found any course: return **404** status code .
- **deleteCourse(id)**
 - If id not found in course list: return **404** status code
 - If course found : delete it and return **200** status code + List<course> .
- **put(id, course)**
 - If id != course.id : return **400** status code. -If id not found in course list : return **404** status code.
 - If found : update course and return **204** status code.

- **post(course)**

- If course parm == null :return **400** status code
- If course parm != null :add course to list and return **201** status code.

- **getById(id)**

- if id not found in course list : return **404** status code .
- if course found : return **200** status code + course.

- **couseByName(name)**

- if name not found in course list : return **404** status code .
- if course found : return **200** status code + course .

□ Use **Postman or fiddler or Swagger** to test all endpoints.

2- LinkedIn article about RESTful API.

3- LinkedIn article about Onion Architecture.

4- What is Data Seeding

5- **Self Study report**