


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 |
|---|-------------|---------------|-------------------------------------|
|  | ID | int | <input type="checkbox"/> |
| | Crs_name | nvarchar(50) | <input checked="" type="checkbox"/> |
| | crs_desc | nvarchar(150) | <input checked="" type="checkbox"/> |
| | 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