

## Endpoint Being Tested: [http://127.0.0.1:5000/all\\_instructors](http://127.0.0.1:5000/all_instructors)

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**Case:** *Get all instructors*

**Request Method:** GET

**Inputs:**

```
{}
```

**Expected Output:**

HTTP Status Code: 200 and a list of instructors

**Actual Output:**

```
HTTP Status Code: 200
JSON: [{"id": 1, "user": {"id": 1, "role": "instructor", "name": "John Doe",
"email": "john.doe@example.com"}, "courses": [], "description": "No description
provided."}, {"id": 2, "user": {"id": 2, "role": "instructor", "name": "Jane
Smith", "email": "jane.smith@example.com"}, "courses": [], "description": "No
description provided."}]
```

**Result:** Success

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## Endpoint Being Tested: <http://127.0.0.1:5000/instructor/1>

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**Case:** *Get an individual instructor*

**Request Method:** GET

**Inputs:**

```
{}
```

**Expected Output:**

HTTP Status Code: 200 and instructor details

### Actual Output:

```
HTTP Status Code: 200
JSON: {"id": 1, "user": {"id": 1, "role": "instructor", "name": "John Doe",
"email": "john.doe@example.com"}, "courses": [], "description": "No description
provided."}
```

**Result:** Success

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**Endpoint Being Tested:** <http://127.0.0.1:5000/instructor/1>

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**Case:** Delete an individual instructor

**Request Method:** DELETE

**Inputs:**

```
{}
```

**Expected Output:**

```
HTTP Status Code: 200 and instructor deleted successfully
```

**Actual Output:**

```
HTTP Status Code: 200
JSON: {"message": "Instructor deleted successfully"}
```

**Result:** Success

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**Endpoint Being Tested:**  
<http://127.0.0.1:5000/instructor/1/courses>

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**Case:** Get all courses assigned to an instructor

**Request Method:** GET

**Inputs:**

```
{}
```

**Expected Output:**

HTTP Status Code: 200 and a list of courses

**Actual Output:**

```
HTTP Status Code: 200
JSON: [{"course_id": 1, "course_name": "Test Course", "course_code": "TC101",
"description": "No description provided.", "level": "Foundational", "type":
"Programming", "image": null, "instructors": [1], "students": [], "assignments":
null}]
```

**Result:** Success

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**Endpoint Being Tested:**

<http://127.0.0.1:5000/instructor/1/course/1>

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**Case:** *Assign an instructor to a course*

**Request Method:** POST

**Inputs:**

```
{}
```

**Expected Output:**

HTTP Status Code: 201 and instructor assigned successfully

**Actual Output:**

```
HTTP Status Code: 201
JSON: {"message": "Instructor assigned to course successfully"}
```

**Result:** Success

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## Endpoint Being Tested:

<http://127.0.0.1:5000/instructor/1/course/1>

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**Case:** *Remove an instructor from a course*

**Request Method:** DELETE

**Inputs:**

```
{}
```

**Expected Output:**

```
HTTP Status Code: 200 and instructor removed successfully
```

**Actual Output:**

```
HTTP Status Code: 200  
JSON: {"message": "Instructor removed from course successfully"}
```

**Result:** Success

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