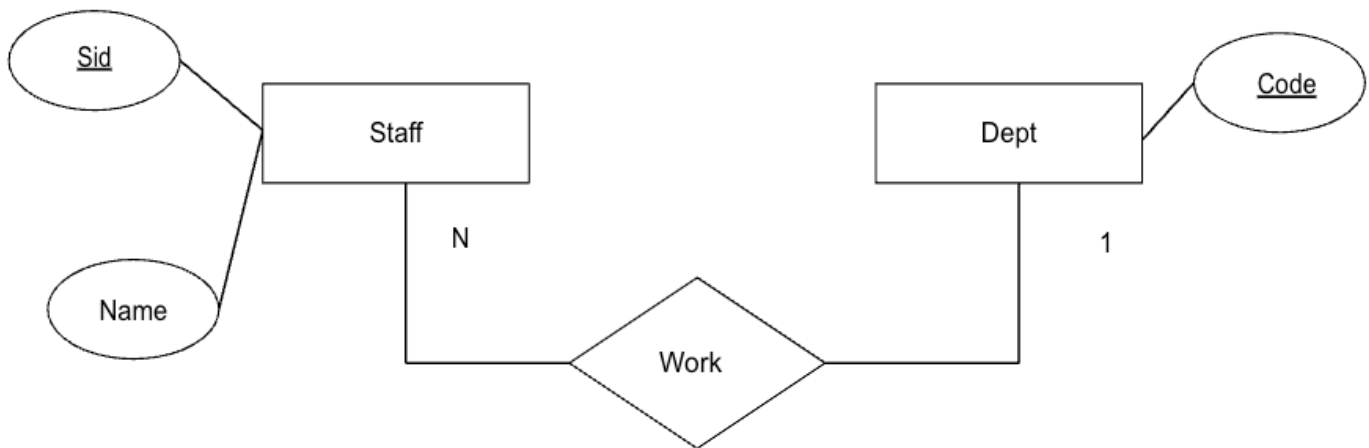


# Task 1

## Problem Statement

Given the ER diagram below (refer to lecture note),



implement a simple API web-app with the following end-points using MongoDB database:

1. add dept into database

```
http://localhost:3000/dept/add/hr
```

yields (displayed in browser)

```
{ "code": "hr" }
```

2. add staff into database

```
http://localhost:3000/staff/add/1/aaron/hr
```

yields

```
{
  "id": "1",
  "name": "aaron",
  "dept": "hr"
}
```

3. find all departments

```
http://localhost:3000/dept/all/
```

yields

```
[{ "code": "hr" }]
```

4. find all staffs

```
http://localhost:3000/staff/all/
```

yields

```
[{ "id": "1", "name": "aaron", "dept": "hr" }]
```

5. find all depts with staffs

```
http://localhost:3000/dept/all/withstaff/
```

yields

```
[{ "code": "hr", "staffs": [{ "id": "1", "name": "aaron", "dept": "hr" }] }]
```

Make sure the database name is `echo` by having the following definition `const dbName = "echo";` in `db.js` .

## Solution

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Refer to [dept.js](#) and [staff.js](#) for the respective implementations.