

## Assignment

### 1. Create table `company\_category`

Column	Type	Remarks
id	Integer(11)	Unique, Not Null
title	Varchar(255)	Not Null
created_at	Timestamp	Not Null
updated_at	Timestamp	Not Null

### 2. Create table `company`

Column	Type	Remarks
id	Integer(11)	Unique, Not Null
category_id	Integer(11)	Reference column to `id` in `company_category`, Nullable
title	Varchar(255)	Not Null
image	Varchar(255)	Nullable
description	Text	Nullable
status	Boolean(1)	Not Null
created_at	Timestamp	Not Null
updated_at	Timestamp	Not Null

#### Note

You can use any database MySQL, mongo, Postgres

### 3. Create node express server with basic setup

### 4. Create API Listed below:

#### Category API

SN	Url	Method	Remarks
1	/api/category	GET	List all categories with pagination(10 records) in API
2	/api/category/{id}	GET	Get individual details of the category
3	/api/category	POST	Create category api
4	/api/category/{id}	PUT	Update category api
5	/api/category/{id}	DELETE	Delete category api

#### Company API

SN	Url	Method	Remarks
1	/api/company	GET	List all company with pagination(10 records) in api And also send category details if `category_id` is selected
2	/api/company/{id}	GET	Get individual details of the company. And also send category details if `category_id` is selected.
3	/api/company	POST	Create company api. And also insert `category_id` if selected. Image upload should be supported if uploaded
4	/api/company/{id}	PUT	Update company api. And also update `category_id` if selected. Image upload update should be done if uploaded a new image.
5	/api/company/{id}	DELETE	Delete company api. The image should be deleted if there is any.

### 5. Create middleware that checks the API key sent in the header in every API:

Use `API\_KEY`=`BA673A414C3B44C98478BB5CF10A0F832574090C` to be sent in the header in every API and validate if API key exists with middleware else throw an exception in API.

### 6. Submit your project in the public GitHub repo link via email provided by HR.

### 7. Time given for this task will be 3 days.