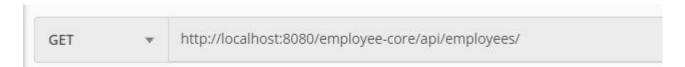# Api design rules

The following are api design rules that we applied in our project.

1. Use nouns for names and plural nouns for resources it has.

GET ▼	http://localhost:8080/employee-core/api/employees/

2. Provide a link for newly created resource in the header.

Body	Cookies (1)	Headers (4)	Test Results		Status: 201 Created
KEY				**VALUE**	
Connection				keep-alive	
Location				http://localhost:8080/employee-core/api/employees/12	
Content-Length				0	
Date				Wed, 14 Aug 2019 07:15:57 GMT	

3. Return the correct status code.

For example use 400 BAD REQUEST status code for when server could not understand the request due to invalid syntax or invalid input (Validation errors).

```
Status: 400 Bad Request

1  {
2      "errorCode": "VALIDATION.ERROR",
3      "errorMessages": "Duplicate email.  Duplicate phone.  Duplicate skype.  Please check again.",
4      "timeStamp": "Wed 14/08/2019 14:17:41 GMT+07:00"
5  }
```

4.Name the api with giving meaningful information.

GET ▼	{{url}}/employees/2/contacts	← The contacts of employee id 2

4. Use Swagger for documenting the api automatically. Here the link for Swagger for our api.
http://192.168.70.59:8080/employee-tool/dist/index.html (Swagger link for Dev Server)
http://localhost:8080/employee-tool/dist/index.html (Swagger link for localhost)