

# Test API Requirements

## Design Requirements

- REST Inspired
- JSON
- Authentication keys for API calls
- Obey HTTP rules
- Clear and Informative Errors
- Image Upload

## Required API's

### Login API:

/login

post:

```
{  
  'username': <username>,  
  'password': <password>,  
}
```

response:

```
{  
  "error": true/false,  
  "data":  
  {  
    "role": (user role),  
    "token": (user token),  
  }  
}
```

## Add Employee API:

/addemployee

post:

```
{
  'token': <token>,
  'form_data':
  [{
    'first_name': <first_name>,
    'last_name': <last_name>,
    'temporary_address': <temporary_address>,
    'permanent_address': <permanent_address>,
    'mobile_number': <mobile_number>,
    'alternate_number': <alternate_number>,
    'emergency_contact_person': <emergency_contact_person>,
    'emergency_contact_number': <emergency_contact_number>,
    'cv': <cv>,
    'citizenship': <citizenship>,
    'driving_license': <driving_license>,
    'department': <department>,
    'status': <status>,
    'academy_level': <academy_level>,
  }]
}
```

response:

```
{
  "error": true/false,
  "data": (message),
}
```

## View Employee API:

/listemployee

post:

```
{  
'token': <token>,  
}
```

response:

```
{  
  "error": true/false,  
  "page_count": "page-count",  
  "data": [{  
    "id": "id",  
    "first_name": "first_name",  
    "last_name": "last_name",  
    "temporary_address": "temporary_address",  
    "permanent": "permanent",  
    "mobile_number": "mobile_number",  
    "alternate_number": "alternate_number",  
    "emergency_contact_person": "emergency_contact_person",  
    "emergency_contact_number": "emergency_contact_number",  
    "cv": "cv",  
    "citizenship": "citizenship",  
    "driving_license": "driving_license",  
    "department": "department",  
    "status": "status",  
    "academy_level": "academy_level",  
  },  
],  
}
```

## Edit Employee API

- Allow partial field/s update

/editemployee

patch:

```
{
  'token': <token>,
  'form_data':
  [{
    'first_name': <first_name>,
    'last_name': <last_name>,
    'temporary_address': <temporary_address>,
    'permanent_address': <permanent_address>,
    'mobile_number': <mobile_number>,
    'alternate_number': <alternate_number>,
    'emergency_contact_person': <emergency_contact_person>,
    'emergency_contact_number': <emergency_contact_number>,
    'cv': <cv>,
    'citizenship': <citizenship>,
    'driving_license': <driving_license>,
    'department': <department>,
    'status': <status>,
    'academy_level': <academy_level>,
  }]
}
```

response:

```
{
  "error": true/false,
  "data": (message),
}
```

### Search API

- Role based search of Employee Info
- Search According to Department, Joining date and Name

/searchemployee

post:

```
{
  'token': <token>,
  'search': <search_data>
}
```

response:

```
{
  "page_count": "page_count",
  "data": [{
    "id": "id",
    "first_name": "first_name",
    "last_name": "last_name",
    "temporary_address": "temporary_address",
    "permanent": "permanent",
    "mobile_number": "mobile_number",
    "alternate_number": "alternate_number",
    "emergency_contact_person": "emergency_contact_person",
    "emergency_contact_number": "emergency_contact_number",
    "cv": "cv",
    "citizenship": "citizenship",
    "driving_license": "driving_license",
    "department": "department",
    "status": "status",
    "academy_level": "academy_level",
  }, ...
],
}
```

## **Roles**

### Superuser/Admin Role

- Add/Edit/View Personal Info, All Department Employee Info and Department Head Info

### Department Head Role

- Add/Edit/View Personal Info, Employee Info of Authorized Department(His/Her Own Department)

### Employee Role

- Add/Edit/View His/Her Personal Info
- Can only view Employee Info of Authorized Department(His/Her Own Department)