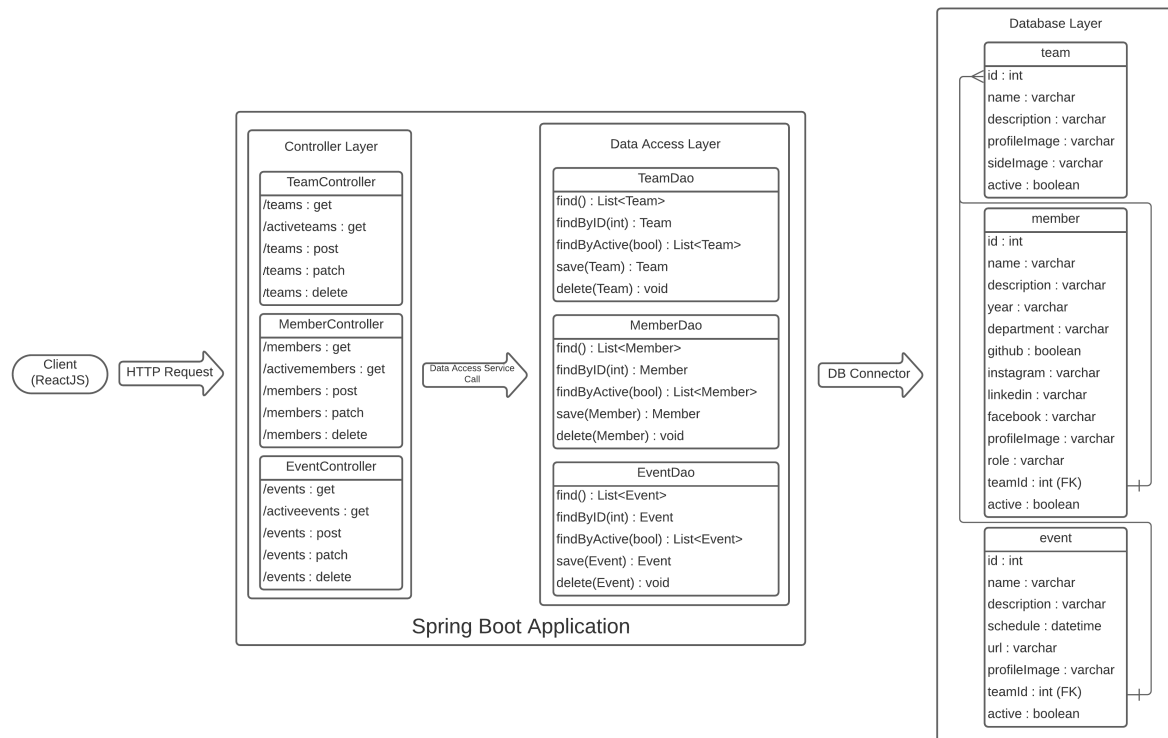# API Documentation

This document will guide you through DSC-AISSMSCOE website's backend API.

Architecture

DSC AISSMS-COE
Webapp Architecture

Technology stack

- Spring Boot
- Hibernate
- MySQL

Endpoints

Team:

1. Fetch all teams:

   http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/teams?page={page_number}&pagesize={entries_per_page}

   Method : GET

   Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

   Response body:

   ```
   {
       "Teams": [
           {
               "teamID": {int}
               "name": {string}
               "description": {string}
               "profileImage": {string}
               "sideImage": {string}
               "active": {boolean}
           }
       ]
   }
   ```

2. Fetch active teams:

   http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/activeteams?page={page_number}&pagesize={entries_per_page}

   Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Teams": [
        {
            "teamID": {int}
            "name": {string}
            "description": {string}
            "profileImage": {string}
            "sideImage": {string}
            "active": {boolean}      // This will be true while
fetching active teams
        }
    ]
}
```

3. Insert team:

Method : POST

Request body:

```
{
    "token": {string}
    "teamID": {int}
    "name": {string}
    "description": {string}
    "profileImage": {string}
    "sideImage": {string}
    "active": {boolean}
}
```

Member:

1. Fetch all members:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/members?page=
{page_number}&pagesize={entries_per_page}

Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Members": [
        {
            "memberID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
            "profileImage": {string}
            "role": {string}
            "active": {boolean}
            "team": {
                    "teamID": {int}
                    "name": {string}
                    "description": {string}
                    "profileImage": {string}
                    "sideImage": {string}
                    "active": {boolean}
                }
        }
    ]
}
```

2. Fetch active members of certain team:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/activemembers?
teamid={}&page={page_number}&pagesize={entries_per_page}

Method : GET

Parameters:

Parameter	Description
teamid	TeamID of team from which members to be fetched
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Members": [
        {
            "memberID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
            "profileImage": {string}
            "role": {string}
            "active": {boolean}      // This will be true
while fetching active members
            "team": {
                    "teamID": {int}
                    "name": {string}
                    "description": {string}
                    "profileImage": {string}
                    "sideImage": {string}
                    "active": {boolean}
                }
        }
    ]
}
```

3. Insert member:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/members

Method : POST

Request body:

```
{
    "token": {string}
    "memberID": {int}
    "name": {string}
    "description": {string}
    "profileImage": {string}
    "sideImage": {string}
    "active": {boolean}
}
```

Event:

1. Fetch all events:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/events?page={page_number}&pagesize={entries_per_page}

Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Events": [
        {
            "eventID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
            "profileImage": {string}
```

```
            "schedule": {date_time}
            "active": {boolean}
        }
    ]
}
```

2. Fetch active events:

Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Events": [
        {
            "eventID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
            "profileImage": {string}
            "schedule": {date_time}
            "active": {boolean}       // This will be true
while fetching active events
        }
    ]
}
```

3. Insert event:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/events

Method : POST

Request body:

```
{
    "token": {string}
    "eventID": {int}
    "name": {string}
    "description": {string}
    "url": {string}
    "profileImage": {string}
    "schedule": {date_time}
    "active": {boolean}
}
```

Project:

1. Fetch all projects:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/projects?page={page_number}&pagesize={entries_per_page}

Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Projects": [
        {
            "projectID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
```

```
            "profileImage": {string}
            "active": {boolean}
        }
    ]
}
```

2. Fetch active projects:

```
http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/activeprojects?
page={page_number}&pagesize={entries_per_page}
```

Method : GET

Parameters:

Parameter	Description
page	Pagination support: Number of page currently on
pagesize	Pagination support: Number of entries per page

Response body:

```
{
    "Projects": [
        {
            "projectID": {int}
            "name": {string}
            "description": {string}
            "url": {string}
            "profileImage": {string}
            "active": {boolean}      // This will be true
while fetching active projects
        }
    ]
}
```

3. Insert project:

http://dsc-aissms.duckdns.org:8080/DSC-Website-REST/projects

Method : POST

Request body:

```
{
    "token": {string}
    "projectID": {int}
    "name": {string}
    "description": {string}
    "url": {string}
    "profileImage": {string}
    "active": {boolean}
}
```