**Club-system**

**Database Schema**

**schema : Student**

ID – int

student\_reg\_id – int

name – varchar(50)

phone – varchar(10)

room\_id – int

club\_id – int

user\_id – int

**schema : Room**

ID – int

program – varchar(20)

capacity – int

student – Student[]

level – int

**schema : Club**

ID – int

description – text

capacity – int

student – Student[]

**schema : User**

ID – int

username – varchar(20)

password – varchar(20)

email – varchar(50)

student\_id – int

**API Endpoint**

**schema : Student**

**method : GET (Get student info)**

path : api/student/:student\_id

respond :

{

student\_reg\_id : int

name : string

phone : string

room :

{

program : string

capacity – int

level – int

}

club :

{

description – text

capacity – int

}

}

**method : POST (Add student info)**

path : api/student

request :

{

student\_reg\_id : int

name : string

phone : string

}

respond : 200 OK, 401 Unauthorized

**method : PATCH (Edit student info)**

path : api/student/edit\_club/:student\_id

request :

{

student\_reg\_id : int

name : string

phone : string

room\_id : int

club\_id : int

}

respond : 200 OK, 401 Unauthorized

**schema : Room**

**method : GET (Get room info)**

path : api/room/:id/

respond :

{

program – varchar(20)

capacity – int

level – int

students : students[]

}

**method : GET (Get all room from level)**

path : api/room/level/:level

respond :

rooms : [

{

program – varchar(20)

capacity – int

}]

**method : POST (Add room info)**

path : api/room/

request :

{

program – varchar(20)

capacity – int

level – int

}

respond : 200 OK, 401 Unauthorized

**method : PATCH (Edit club info)**

path : api/room/:id

request :

{

program – varchar(20)

capacity – int

level – int

}

respond : 200 OK, 401 Unauthorized

**schema : Club**

**method : GET (Get club info)**

path : api/club/:id/

respond :

{

ID – int

description – text

capacity – int

student – Student[]

}

**method : POST (Add club)**

path : api/club

request :

{

description – text

capacity – int

}

Respond : 200 OK, 401 Authorized

**method : PATCH (Edit club info)**

path : api/club/:id

request :

{

description – text

capacity – int

}

Respond : 200 OK, 401 Authorized