**SURegister Backend**

SURegister API is listing information about all the courses at that specific term and their Instructor, Credit, Capacity and how many students want to take this course also specific comments by users for each course.

**Endpoints:**

1. ***Get list of Courses***

Description: Lists all courses. Id, name, about, info, instructor, term, capacity, attended student number and comments are returned.

Address: <http://localhost:8080/suregister/getallc>

Method: GET

Returns: JSON Array:

[

{

"id": "6456955c77f0041120a9463e",

"name": "CS204",

"about": "This is must course",

"info": "Credit: 3",

"instructor": "Gülsen Demiroz",

"term": "Spring",

"capacity": 300,

"attendnum": 120,

"comments": [

{

"comment": "Kamer hocadan almayın",

"commander": "bercin"

},

{

"comment": "Albert Hocadan alın",

"commander": "femre"

}

]

},

{

"id": "6456955c77f0041120a9463f",

"name": "CS412",

"about": "This is required course",

"info": "Credit: 3",

"instructor": "Berrin Yanıkoğlu",

"term": "Fall",

"capacity": 400,

"attendnum": 200,

"comments": [

{

"comment": "Berrin Hoca çok tatlı",

"commander": "umitcolak"

},

{

"comment": "Ödevleri çok zor",

"commander": "bercin"

}

]

}

]

1. ***Get details of Courses by Name***

Description: Details of courses by its name. Id, name, about, info, instructor, term, capacity, attended student number and comments are returned.

Address: <http://localhost:8080/suregister/searchbynamec/>{name}

Method: GET

Returns: JSON Array:

[

{

"id": "6456955c77f0041120a9463e",

"name": "CS204",

"about": "This is must course",

"info": "Credit: 3",

"instructor": "Gülsen Demiroz",

"term": "Spring",

"capacity": 300,

"attendnum": 120,

"comments": [

{

"comment": "Kamer hocadan almayin",

"commander": "bercin"

},

{

"comment": "Albert Hocadan alin",

"commander": "femre"

}

]

}

]

1. ***Get details of Courses by Capacity***

Description: Details of courses by its capacity. Id, name, about, info, instructor, term, capacity, attended student number and comments are returned.

Address: <http://localhost:8080/suregister/searchbycapacityc/>{capacity}

Method: GET

Returns: JSON Array:

[

{

"id": "6456955c77f0041120a9463d",

"name": "CS303",

"about": "This is well designed course",

"info": "Credit: 4",

"instructor": "Ayhan Bozkurt",

"term": "Fall",

"capacity": 200,

"attendnum": 150,

"comments": [

{

"comment": "Bu dersi ben aldim siz almayin",

"commander": "colakhalil"

},

{

"comment": "Bence cok güzel ders kesin alin",

"commander": "yeren"

}

]

}

]

1. ***Save New Course***

Description: Saves a new course by its name, about, info, instructor, term, capacity and attended student number.

Address: <http://localhost:8080/suregister/assigncourse>

Method: POST

Accepts: raw body JSON:

{

"name": "CS310",

"about": "Best course you can take",

"info": "Credit: 3",

"instructor": "Altuğ Tanaltay",

"term": "Spring",

"capacity": 120,

"attendnum": 100

}

Returns: String:

Course is saved successfully

1. ***Get list of Students***

Description: Lists all students. Id, username, suid, password, grade and attended courses are returned.

Address: <http://localhost:8080/suregister/getalls>

Method: GET

Returns: JSON Array:

[

{

"id": "6456955c77f0041120a94642",

"username": "colakhalil",

"suid": 28870,

"password": "1234",

"grade": 2,

"attended":[]

},

{

"id": "6456955c77f0041120a94644",

"username": "bercin",

"suid": 12341,

"password": "4321",

"grade": 3,

"attended": []

}

]

1. ***Get Details of a Student***

Description: Details of a student by its username. Id, username, suid, password, grade and attended courses are returned.

Address: <http://localhost:8080/suregister/searchbynames/>{username}

Method: GET

Returns: JSON Array:

[

{

"id": "6456955c77f0041120a94643",

"username": "yeren",

"suid": 29812,

"password": "1234",

"grade": 2,

"attended": []

}

]

1. ***Save New Student***

Description: Saves a new student by its username, suid, password and grade.

Address: <http://localhost:8080/suregister/assignstudent>

Method: POST

Accepts: raw body JSON:

{

"username": "altug",

"suid": "9091",

"password": "3746",

"grade": 10

}

Returns: String:

Student is saved successfully