API REST
if the resource need authorization, must use the session id

## POST

## Path: /api/login

*Description:* Login to system

*Authorization*: No

*Parameters:*

- "email": string
- "pass": string

*Response format:*

```
{
"status": "ok / error",
"reason": reason",
"session_id": session_id
}
```

## GET

## Path: /api/logout

*Description:* Logout from system

*Authorization:* Yes

*Parameters:* None

*Response format:*

```
{
"status": status
}
```

## GET

## Path: /api/users

*Description:* Obtain a list of users registered in the system

*Authorization:* Yes

*Parameters:* None

*Reponse format:*

> list of users [{"id": Id},] if the role is superuser else {"status": "error"}

## GET

## Path: /api/users/{user_num}

*Description:* Obtain a user info

*Authorization:* Yes

*Parameters:* None

*Response fomat:*

> {
> "id":id,
>
>  "name": name,
>
> "lastname": lastname,
>
> "email":email
> }

## POST

## Path: /api/users

*Description:* Create a new user with info provided in req

*Authorization:* No

*Parameters:*

- "name": string
- "lastname": string
- "email": string
- "pass": string

*Response format:*

> {
> "status": ok / error,
> "reason": reason,
> "id": id
> }

**PUT**

**Path: /api/users/{user_num}**

*Description:* Update user info with info provided in req.

*Authorization:* Yes

*Parameters:* {"name": name, "lastname": lastname, "pass":pass}

*Response format:*

```
{
"status": ok / error
"reason": reason
}
```

**DELETE**

**Path: /api/users/{user_num}**

*Description*: Delete a user account

*Authorization*: Yes

*Parameters:*  None

*Response format:*

```
{
"status": ok / error
"reason":
Reason
}
```

**GET**

**Path: /api/users/{user_num}/projects**

*Description*: Obtain a list of user projects

Authorization: Yes

*Parameters*: None

*Response format*:

list of projects of user [{"id":id},]

**GET**

**Path: /api/users/{user_num}/projects/{project_num}**

*Description:* Obtain project info

*Authorization:* Yes

*Parameters:* None

*Response:*

> Project info

**POST**

**Path: /api/users/{user_num}/projects**

*Description*: Create a new project

*Authorization*: Yes

*Parameters*: {"info": info}

*Response format:*
```
{
"status": ok / error
 "reason": reason,
"id": id
}
```

**PUT**

**Path: /api/users/{user_num}/projects/{project_num}**

*Description*: Update project info

*Auth*orization: Yes

*Parameters*:

- "info": info

*Response format*
```
{
"status": ok / error
"reason": reason,
"id": id
}
```

**DELETE**

**Path: /api/users/{num}/project/{num}**

*Description*: Delete project

*Authorization*: Yes

*Parameters*: None

*Response format:*

```
{
"status": ok / error
"reason": reason
}
```

**GET**

**Path: /api/users/{user_num}/project/{project_num}/developers**

*Description:* Obtain a list of users from project

*Authorization:* Yes

*Parameters:*  None

*Response format:*

Return list of devs [{"id": id"}]

**POST**

**Path: /api/users/{user_num}/project/{project_num}/devs**

*Description:* Add developer to the project

*Authorization:* TL / PM

*Parameters:*

- "id_user": id_user

*Response format:*
```
{
"status": ok / error
"reason": reason
}
```

## GET

**Path: /api/users/{user_num}/project/{project_num}/developers/{developer_id}**

*Description:* Obtain developer info

*Authorization:* No

*Parameters:* No

*Response format:*

```
{
"status": ok / error
"reason": reason
"id": id
"role":role
}
```

- Delete dev from project

## DELETE

**Path: /api/users/{user_num}/project/{project_num}/developers/{developer_id}**

*Description:* Eliminate a developer from the project

*Authorization:* TL / PM

*Response format:*

```
{
"status": ok / error
"reason": reason
}
```

**PUT**

**Path: /api/users/{user_num}/project/{project_num}/developers/{developer_id}**

*Description:* Update developer info

*Authorization:* TL

*Parameters:*

- "task": task
- "role": role

*Response format:*

```
{
"task": task
"role": role
}
```

**GET**

**Path: /api/users/{user_num}/project/{project_num}/sprints**

*Description*: Obtain list of sprint of project

*Auth*orization: Yes

*Parameters:* None

*Response format*:

```
{
        Sprint_list: [
        {
        "id": integer
        "duration": integer;
        "id_project": integer;
        },
        {   },
        ]
}
```

**GET**

**Path: /api/users/{user_num}/project/{project_num}/sprints/{sprint_id}**

*Description:* Get sprint info

*Authorization:* Yes

*Parameters:* None

*Response format:*

```
{
"id": integer
"duration": integer;
"id_project": integer;
},
```

**POST**

**Path: /api/users/{num}/project/{num}/sprints**

Description: Create new sprint

Authorization: Yes

Parameters: {

- "id_proj": integer
- "duration": integer
- "id_sprint": integer

Response format:

```
{
"id": integer
"duration": integer;
"id_project": integer;
},
```

**DELETE**

**Path: /api/users/{user_num}/project/{project_num}/sprints/{sprint_id}**

*Description:* Delete a sprint

*Authorization:* Yes

*Parameters:* None

*Response:*

```
{
"status": "deleted / error"
"reason": "reason" / null
}
```

**PUT**

**Path: /api/users/{num}/project/{num}/sprints/{id}**

*Description:* Update sprint

*Authorization:* Yes

*Parameters:*

- "duration": integer

*Response format:*

```
{
"duration": integer;
}
```

**GET**

**Path: /api/users/{user_num}/project/{project_num}/sprints/{sprint_id}/tasks**

*Description*: Get list of tasks of sprint

*Authorization:* Yes

*Parameters:* None

*Response format:*

```
{
        Task_list: [
        {
        "id": integer
        "desc": text
        "comment": text
        "priority": integer
        "duration": integer;
        "points": integer;
        "finalized": integer;
        "id_user": integer;
        "id_requirement": integer;
        },
        {   },
        ]
}
```

**GET**

**Path: /api/users/{num}/project/{num}/sprints/{id}/tasks/{id}**

*Description*: Get task info

*Authorization:* Yes

*Parameters:* None

*Response format:*

```
{
        "id": integer
        "desc": text
        "comment": text
        "priority": integer
        "duration": integer;
        "points": integer;
        "finalized": integer;
        "id_user": integer;
        "id_requirement": integer;
```

}

**POST**

**Path: /api/users/{user_num}/project/{project_num}/sprints/{sprint_id}/tasks**

*Description:* Create a new task

*Authorization:* Yes

*Parameters:*

- "desc": desc,
- "comment": comment,
- "priority": priority,
- "duration": duration,
- "points": points,
- "finalized": finalized,
- "id_user": id_user,
- "id_req": id_req

*Response format:*

```
{
"desc": desc,
"comment": comment,
"priority": priority,
"duration": duration,
"points": points,
"finalized": finalized,
"id_user": id_user,
"id_req": id_req
}
```

- Delete a task

**DELETE**

**Path:
/api/users/{user_num}/project/{project_num}/sprints/{sprint_id}/tasks/{task_id}**

*Description:* Delete a task

*Authorization:* Yes

*Parameters:* None

*Response format:*

```
{
"status": "deleted"/ "error"
"reason": "reason" / null
}
```

- Update task

**PUT**

**Path: /api/users/{num}/project/{num}/sprints/{id}/tasks/{id}**

*Description:* Update task info

*Authorization*: Yes

*Parameters:*

- "desc": desc,
- "comment": comment,
- "priority": priority,
- "duration": duration,
- "points": integer,
- "finalized": ineger,
- "id_user": integer,
- "id_req": integer

*Response format:*

```
{
"desc": desc,
"comment": comment,
"priority": priority,
"duration": duration,
"points": integer,
"finalized": integer,
"id_user": integer
"id_req": integer
"status": "updated" / "error"
"reason": "reason" / null
}
```