

## 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 fomate:*

```
{  
  "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/projects/{project_num}`

*Description:* Obtain project info

*Authorization:* Yes

*Parameters:* "project\_num": Integer

*Response:*

```
{
  "id": Integer
  "name": Text
  "info": Text
}
```

## 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

*Authorization:* 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:* user\_num: Integer  
project\_num: Integer

*Response format:*

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

## **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  
}
```

## **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/project/{project_num}/sprint`

*Description:* Obtain list of sprint of project

*Authorization:* Yes

*Parameters:* "project\_num": Integer

*Response format:*

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

## GET

**Path:** `/api/users/project/sprints/{sprint_id}`

*Description:* Get sprint info

*Authorization:* Yes

*Parameters:* "sprint\_id": Integer

*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}/sprints/{sprint_id}/tasks`

*Description:* Get list of tasks of sprint

*Authorization:* Yes

*Parameters:* "user\_num": Integer

*Response format:*

```
{
  Task_list: [
    {
      "id": integer
    },
  ]
}
```

## GET

**Path:** `/api/users/projects/sprint/{id_sprint}`

*Description:* Get task info

*Authorization:* Yes

*Parameters:* "id\_sprint": Integer

*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  
}
```