

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/{id_user}/projects/{project_num}`

Description: Obtain project info

Authorization: Yes

Parameters: "id_user": Integer
"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/{id_user}/projects/{project_num}/sprints`

Description: Obtain list of sprint of project

Authorization: Yes

Parameters: "id_user": Integer
"project_num": Integer

Response format:

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

GET

Path: `/api/users/{id_user}/projects/{id_project}/sprints/{sprint_id}`

Description: Get sprint info

Authorization: Yes

Parameters: "id_user": Integer
 "id_project": Integer
 "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}/projects/{id_projects}/sprints/{sprint_id}/tasks`

Description: Get list of tasks of sprint

Authorization: Yes

Parameters: "user_num": Integer
"id_project": Integer
"sprint_id": Integer

Response format:

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

```
    },  
  }  
}
```

GET

Path: /api/users/{id_user}/projects/{id_project}/sprint/{id_sprint}/tasks/{id_task}

Description: Get task info

Authorization: Yes

Parameters: "id_user": Integer
"id_project": Integer
"id_sprint": Integer
"id_task": 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  
}
```