

Assignment04 Documentation

Server install instructions

Requirements :

- **Node.js**

Run the following command inside root directory

```
cd ./server/; npm install; npm start
```

The server is now running through <http://localhost:4242/>

Database Design

Array users

- user_name String
username
- password String
SHA-256 encrypted password

Array tasks

- title String
task title
- description String
task description
- delivery String
delivery date
- priority Number
priority number (1 to 5)
- inprogress Boolean
is task currently in progress
- users Array
usernames assigned to this task
 - String

API Design

POST /register

Headers

name	value
Content-Type	application/json

Request parameters

parameter	type
username	String
password	String

Response body

parameter	type
token	String

POST /login

Headers

name	value
Content-Type	application/json

Request parameters

parameter	type
username	String

parameter	type
password	String

Response body

parameter	type
token	String

GET /user

Headers

name	value
Content-Type	application/json
token	<i>authentication token</i>

Response body

parameter	type	description
data.user.id	String	username
data.user.tasks	Array	task(s) linked to this user
data.iat	Number	Token creation date
data.exp	Number	Token expiration date

GET /users

Headers

name	value
Content-Type	application/json

name	value
token	<i>authentication token</i>

Response body

parameter	type	description
users	Array	array of users

GET /task/ id

Headers

name	value
Content-Type	application/json
token	<i>authentication token</i>

URL parameters

parameter	type	description
id	String	title of the task

Response body

parameter	type	description
task	Object	task object

GET /tasks

Headers

name	value
------	-------

name	value
Content-Type	application/json
token	<i>authentication token</i>

Response body

parameter	type	description
tasks	Array	array of tasks

POST /addtask

Headers

name	value
Content-Type	application/json
token	<i>authentication token</i>

Request parameters

parameter	type	description
title	String	title
description (optional)	String	description
users (optional)	Array	array of users linked to this task
delivery (optional)	String	delivery date
priority (optional)	Number	priority (from 1 to 5)

Response body

parameter	type	description
success	Boolean	operation status

PUT /edittask

Headers

name	value
Content-Type	application/json
token	<i>authentication token</i>

Request parameters

parameter	type	description
title	String	title
description (optional)	String	description
users (optional)	Array	array of users linked to this task
delivery (optional)	String	delivery date
priority (optional)	Number	priority (from 1 to 5)
inprogress (optional)	Boolean	status of the task

Response body

parameter	type	description
success	Boolean	operation status

DELETE /rmtask

Headers

name	value
Content-Type	application/json
token	<i>authentication token</i>

Request parameters

parameter	type	description
title	String	title

Response body

parameter	type	description
success	Boolean	operation status