**A7 – Web resources documentation**

1. **Overview**

|  |  |
| --- | --- |
| M01: Authentication and individual profile | Web resources associated with authentication and individual profile management. The following system features are included: login, logout, registration, see personal calendar (includes meetings and personal events), view personal information (picture, full name, username, e-mail and statistics) and edit some of it (password, full name, picture and email, as well as it’s privacy). |
| M02: Projects | Web resources associated with projects. The following system features are included: create project, select project, see project information (picture, name, description, creator, statistics), see project team, search for workers of the project team, add worker to project team, see project calendar, see and participate in project forum, see list of projects the user created and is working on and search for projects of both these lists, as well as for any public project. |
| M03: Boards | Web resources associated with boards. The following system features are included: create board, select board, see list of boards of the selected project and search for boards of the selected project. |
| M04: Tasks | Web resources associated with tasks. The following system features are included: create task, see list of tasks of the selected board, select task to see last updates, see information about task (creator, description, team, deadline, and progress), update task (comment, update progress, upload file and close task) and search for tasks of the selected board. |
| M05: User administration | Web resources associated with user administration. The following system features are included: see full user list, search for user, see information about selected user (picture, full name, user level, data of registration, number of projects), send message to user, change user permissions and delete user. |
| M06: Project administration | Web resources associated with project administration. The following system features are included: see full project list, search for project, see information about selected project, archive and delete project. |
| M07: Static pages | Web resources with static content: homepage. |

1. **Permissions**

|  |  |  |
| --- | --- | --- |
| VIS | Visitor | Unauthenticated user, doesn’t have privileges |
| USR | User | Authenticated user |
| COR | Project coordinator | Creators of projects. Have privileges regarding permissions of that projects |
| WOR | Project worker | Workers of projects (users that belong to the project team, except the project coordinator) |
| ADM | Administrator | Group of administrators. Have privileges regarding user and project management. |

1. **Modules**

**Module M01: Authentication and individual profile**

* R101: Login form /login
* R102: Login action /login
* R103: Logout action /logout
* R104: Register form /register
* R105: Register action /register
* R106: View personal information /{id}/perosnalInfo
* R107: View personal calendar /{id}/personalCalendar/
* R108: Change account settings form /{id}/settings
* R109: Change account settings action /{id}/settings
* R110: View full contact list /{id}/contactList
* R111: Add user to contact list form /{id\_user}/projectTeam or /{id\_user}/boardTeam
* R112: Add user to contact list action /{id\_user}/projectTeam or /{id\_user}/boardTeam
* R113: View user’s projects /{id}/projects
* R114: Search user’s projects page /{id}/projects
* R115: Search user’s projects API /api/{id}/projects

R101: Login form

|  |  |
| --- | --- |
| URL | /login |
| Description | Pop-up with a form to login to a user account |
| Method | GET |
| UI | UI02 |
| SUBMIT | R106 |
| Permissions | VIS |

R102: Login action

|  |  |  |
| --- | --- | --- |
| URL | /login | |
| Description | This web resource logs the user into the system. Redirects to the user’s projects page on success and the login form on failure. | |
| Method | POST | |
| Request Body | +email: string | E-mail |
|  | +password: string | Password |
| Redirects | R106 | Success |
|  | R102 | Error |
| Permissions | VIS | |

R103: Logout action

|  |  |
| --- | --- |
| URL | /logout |
| Description | This web resource logs the user out of the system, redirecting the user to the home page. |
| Method | POST |
| Redirects | R101 |
| Permissions | USR |

R104: Register form

|  |  |
| --- | --- |
| URL | /register |
| Description | Pop-up with a form to create a new account. |
| Method | GET |
| UI | UI03 |
| SUBMIT | R106 |
| Permissions | VIS |

R105: Register action

|  |  |  |
| --- | --- | --- |
| URL | /register | |
| Description | This web resource creates a new account, inserting the user into the system. Redirects to the login form on success and the register form on failure. | |
| Method | POST | |
| Request Body | +email: string | E-mail |
|  | +password: string | Password |
|  | +username: string | Username |
| Redirects | R101 | Success |
|  | R105 | Failure |
| Permissions | VIS | |

R106: View personal information

|  |  |  |
| --- | --- | --- |
| URL | /{id}/personalInfo | |
| Description | Shows the user his personal information page. | |
| Method | GET | |
| Parameters | +id: integer | User primary key |
| UI | UI07 | |
| Permissions | USR | |

R107: View personal calendar

|  |  |  |
| --- | --- | --- |
| URL | /{id}/personalCalendar | |
| Description | Shows the user his personal calendar page. | |
| Method | GET | |
| Parameters | +id: integer | User primary key |
| UI | UI08 | |
| Permissions | USR | |

R108: Change account settings form

|  |  |  |
| --- | --- | --- |
| URL | /{id}/settings | |
| Description | Page with a form to change account data. | |
| Method | GET | |
| Parameters | ?password: string | New password |
|  | ?confirmPassword: string | New password confirmation |
|  | ?full\_name: string | New full name |
|  | ?privacy: boolean | New privacy |
|  | ?image: string | New profile picture |
| UI | UI21 | |
| Permissions | USR | |

R109: Change account settings action

|  |  |  |
| --- | --- | --- |
| URL | /{id}/settings | |
| Description | This web resource changes the user’s profile picture. Redirects to the user settings page on success and failure. | |
| Method | POST | |
| Request Body | ?id: integer | User primary key |
|  | ?password: string | New password |
|  | ?full\_name: string | New full name |
|  | ?privacy: Boolean | New privacy |
|  | ?image: string | New profile picture |
| Redirects | R106 | |
| Permissions | USR | |















R110: View full contact list

|  |  |  |
| --- | --- | --- |
| URL | /{id}/contactList | |
| Description | Shows the user his list of contacts. | |
| Method | GET | |
| Parameters | +id: integer | User primary key |
| UI | \* Doesn’t exist yet | |
| Permissions | USR | |



R111: Add user to contact list form

|  |  |  |
| --- | --- | --- |
| URL | /{id\_user}/projectTeam or /{id\_user}/boardTeam | |
| Description | Pop-up of the form to add user to contact list. Redirects to the user contact list page. | |
| Method | GET | |
| UI | +id: integer | Id of the selected user |
| SUBMIT | \* Doesn´t exist yet |  |
| Permissions | USR | |

R112: Add user to contact list action

|  |  |  |
| --- | --- | --- |
| URL | /{id\_user}/projectTeam or /{id\_user}/boardTeam | |
| Description | Web resource that adds the user to the contact list. Redirects to the user contact list page. | |
| Method | POST | |
| Request Body | +id: integer | User primary key |
|  | +username: string | User’s username |
|  | +fullName: string | User’s full name |
|  | +email: string | User’s email |
|  | +confirm: boolean | Confirm desire to add contact |
| Redirects | R115 | |
| Permissions | ADM | |

R113: View user’s projects

|  |  |  |
| --- | --- | --- |
| URL | /{id}/projects | |
| Description | Shows user’s projects | |
| Method | GET | |
| Parameters | +id: integer | User primary key |
| UI | UI05 | |
| Permissions | USR | |

R114: Search user’s projects page

|  |  |  |
| --- | --- | --- |
| URL | /{id}/projects | |
| Description | Page with search bar to search the user’s projects. | |
| Method | GET | |
| Request Body | +query: string | String field to search for in projects |
|  | +id\_user: integer | User primary key |
| UI | UI05 | |
| AJAX calls | R120 | |
| Permissions | USR | |

R115: Search user’s projects API

|  |  |  |
| --- | --- | --- |
| URL | /api/{id}/projects | |
| Description | This web resource searches the system for projects and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in projects |
|  | +id\_user: integer | User primary key |
| Response body | JSON01 | |
| Permissions | USR | |

**Module M02: Projects**

* R201: Create project form /projects
* R202: Create project action /projects
* R203: View project information /projects/{id\_project}/info
* R204: View project calendar /projects/{id\_project}/calendar
* R205: View project team /projects/{id\_project}/team
* R206: Search workers page /projects/{id\_project}/team
* R207: Search workers API /api/projects/{id\_project}/team
* R208: Add worker form /projects/{id\_project}/team
* R209: Add worker action /projects/{id\_project}/team
* R210: Send message form /projects/{id\_project}/forum
* R211: Send message action /projects/{id\_project}/forum
* R212: View project forum /projects/{id\_project}/forum
* R213: View project’s boards /projects/{id\_project}/boards
* R214: Search project’s boards page /projects/{id\_project}/boards
* R215: Search project’s boards API /api/projects/{id\_project}/boards

R201: Create project form

|  |  |
| --- | --- |
| URL | /projects |
| Description | Pop-up with a form to create a new project |
| Method | GET |
| UI | UI05 |
| SUBMIT | R204 |
| Permissions | USR |

R202: Create project action

|  |  |  |
| --- | --- | --- |
| URL | /projects | |
| Description | This web resource inserts the new project into the system. Redirects to the project’s information page on success and the create project form on failure. | |
| Method | POST | |
| Request Body | +name: text | Name |
|  | +description: text | Description |
|  | ?start\_date: date | Start date |
|  | ?end\_date: date | End date |
|  | ?privacy: boolean | Privacy |
| Redirects | R204 | Success |
|  | R201 | Error |
| Permissions | USR | |

R203: View project information

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/info | |
| Description | Show’s project information page | |
| Method | GET | |
| Parameters | +id: integer | Project primary key |
| UI | UI11 | |
| Permissions | WOR | |

R204: View project calendar

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/calendar | |
| Description | Show’s project calendar page | |
| Method | GET | |
| Parameters | +id: integer | Project primary key |
| UI | UI13 | |
| Permissions | WOR | |

R205: View project team

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/team | |
| Description | Show’s project team page | |
| Method | GET | |
| Parameters | +id: integer | Project primary key |
| UI | UI12 | |
| Permissions | WOR | |

R206: Search workers page

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/team | |
| Description | Page with search bar to search project workers. | |
| Method | GET | |
| Request Body | +query: string | String field to search for in users |
|  | +id\_project: integer | Project primary key |
| UI | UI12 | |
| AJAX calls | R207 | |
| Permissions | WOR | |

R207: Search workers API

|  |  |  |
| --- | --- | --- |
| URL | /api/projects/{id\_project}/team | |
| Description | This web resource searches the system for users and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in users |
|  | +id\_project: integer | Project primary key |
| Response body | JSON02 | |
| Permissions | WOR | |

R208: Add worker form

|  |  |
| --- | --- |
| URL | /projects/{id\_project}/team |
| Description | Pop-up with a form to add a worker to the project team. |
| Method | GET |
| UI | \* |
| SUBMIT | R209 |
| Permissions | COR |

\*UI not implemented yet.

R209: Add worker action

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/team | |
| Description | This web resource updates the project team in the system. Redirects to the project’s team page on success and the add worker form on failure. | |
| Method | POST | |
| Request Body | +id\_user: integer | User primary key |
|  | +id\_project: integer | Project primary key |
| Redirects | R205 | Success |
|  | R208 | Error |
| Permissions | COR | |

R210: Send message form

|  |  |
| --- | --- |
| URL | /projects/{id\_project}/forum |
| Description | Page with form to write a message to project forum. |
| Method | GET |
| UI | UI14 |
| SUBMIT | R210 |
| Permissions | WOR |

R211: Send message action

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/forum | |
| Description | This web resource inserts a new message into the system. Redirects to the project’s forum page on success and to the send message form on failure. | |
| Method | POST | |
| Request Body | +message: text | Message to send |
|  | +id\_project: integer | Project primary key |
|  | +id\_user: integer | User primary key |
| Redirects | R212 | Success |
|  | R210 | Error |
| Permissions | WOR | |

R212: View project forum

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/forum | |
| Description | Shows project forum page | |
| Method | GET | |
| Parameters | +id: integer | Project primary key |
| UI | UI14 | |
| Permissions | WOR | |

R213: View project’s boards

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/boards | |
| Description | Shows project’s boards | |
| Method | GET | |
| Parameters | +id\_project: integer | Project primary key |
| UI | UI09 | |
| Permissions | WOR | |

R214: Search project’s boards page

|  |  |  |
| --- | --- | --- |
| URL | /projects/{id\_project}/boards | |
| Description | Page with search bar to search the user’s projects. | |
| Method | GET | |
| Request Body | +query: string | String field to search for in boards |
|  | +id\_project: integer | Project primary key |
| UI | UI09 | |
| AJAX calls | R120 | |
| Permissions | WOR | |

R215: Search project’s boards API

|  |  |  |
| --- | --- | --- |
| URL | /api/projects/{id\_project}/boards | |
| Description | This web resource searches the system for boards and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in boards |
|  | +id\_user: integer | Project primary key |
| Response body | JSON03 | |
| Permissions | WOR | |

**Module M03: Boards**

* R301: Create board form /boards
* R302: Create board action /boards
* R303: Add worker to board form /boards/{id\_board}
* R304: Add worker to board action /boards/{id\_board}
* R305: View board’s tasks /boards/{id\_board}
* R306: Search board’s tasks page /boards/{id\_board}
* R307: Search board’s tasks API /api/boards/{id\_board}

R301: Create board form

|  |  |
| --- | --- |
| URL | //boards |
| Description | Pop-up with a form to create a new board |
| Method | GET |
| UI | UI10 |
| SUBMIT | R302 |
| Permissions | WOR |

R302: Create board action

|  |  |  |
| --- | --- | --- |
| URL | / /boards | |
| Description | This web resource inserts the new board into the system. Redirects to the project’s boards pages on success and the create board form on failure. | |
| Method | POST | |
| Request Body | +name: text | Name |
|  | +description: text | Description |
|  | ?start\_date: date | Start date |
|  | ?end\_date: date | End date |
|  | ?privacy: boolean | Privacy |
| Redirects | R213 | Success |
|  | R301 | Error |
| Permissions | WOR | |

R303: Add worker to board form

|  |  |
| --- | --- |
| URL | /boards/{id\_board} |
| Description | Pop-up with a form to add a worker to the board |
| Method | GET |
| UI | \* |
| SUBMIT | R304 |
| Permissions | COR |

\*UI not implemented yet.

R304: Add worker to board action

|  |  |  |
| --- | --- | --- |
| URL | /boards/{id\_board} | |
| Description | This web resource updates the board’s workers in the system. Redirects to the board’s task page on success and the add worker to board form on failure. | |
| Method | POST | |
| Request Body | +id\_user: integer | User primary key |
|  | +id\_boardt: integer | Board primary key |
| Redirects | R305 | Success |
|  | R303 | Error |
| Permissions | COR | |

R305: View board’s tasks

|  |  |  |
| --- | --- | --- |
| URL | boards/{id\_board} | |
| Description | Shows project’s boards | |
| Method | GET | |
| Parameters | +id\_project: integer | Project primary key |
| UI | UI15 | |
| Permissions | WOR | |

R306: Search board’s tasks page

|  |  |  |
| --- | --- | --- |
| URL | /boards/{id\_board} | |
| Description | Page with search bar to search the board’s tasks | |
| Method | GET | |
| Request Body | +query: string | String field to search for in tasks |
|  | +id\_board: integer | Board primary key |
| UI | UI15 | |
| AJAX calls | R307 | |
| Permissions | WOR | |

R307: Search board’s tasks API

|  |  |  |
| --- | --- | --- |
| URL | /api/boards/{id\_board} | |
| Description | This web resource searches the system for tasks and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in taks |
|  | +id\_user: integer | User primary key |
| Response body | JSON04 | |
| Permissions | WOR | |

**Module M04: Tasks**

* R401: Create task form /boards/{id\_board}
* R402: Create task action /boards/{id\_board}
* R403: Update task form /boards/{id\_board}
* R404: Update task action /boards/{id\_board}
* R405: See task description /boards/{id\_board}/{id\_task}

R401: Create task form

|  |  |
| --- | --- |
| URL | boards/{id\_board} |
| Description | Pop-up with a form to create a new task |
| Method | GET |
| UI | UI16 |
| SUBMIT | R402 |
| Permissions | WOR |

R402: Create board action

|  |  |  |
| --- | --- | --- |
| URL | /boards/{id\_board} | |
| Description | This web resource inserts the new task into the system. Redirects to the board’s tasks pages on success and the create task form on failure. | |
| Method | POST | |
| Request Body | +name: text | Name |
|  | +description: text | Description |
|  | +budget: integer | Budget |
|  | +id\_user: integer | User Primary Key |
|  | ?deadline: date | Deadline |
| Redirects | R305 | Success |
|  | R401 | Error |
| Permissions | WOR | |

R403: Update task form

|  |  |
| --- | --- |
| URL | /boards/{id\_board} |
| Description | Pop-up with a form to update a task |
| Method | GET |
| UI | \* |
| SUBMIT | R404 |
| Permissions | WOR |

\*UI not implemented yet.

R404: Update task action

|  |  |  |
| --- | --- | --- |
| URL | boards/{id\_board} | |
| Description | This web resource updates the task in the system. Redirects to the board’s task page on success and the update task form on failure. | |
| Method | POST | |
| Request Body | ?comment: text | Commentaries |
|  | ?progress: integer | Progress |
|  | ?close: boolean | Task Status |
| Redirects | R305 | Success |
|  | R403 | Error |
| Permissions | WOR | |

R405: See task description

|  |  |  |
| --- | --- | --- |
| URL | boards/{id\_board}/{id\_task} | |
| Description | Shows task description | |
| Method | GET | |
| Parameters | +id: integer | Task primary key |
| UI | UI18 | |
| Permissions | WOR | |

**Module M05: User administration**

* R501: View full user list /administration/users
* R502: Search for user page /administration/users
* R503: Search for user API /api/administration/users
* R504: Send message to user form /administration/users
* R505: Send message to user action /administration/users/message
* R506: Change user permissions form /administration/users
* R507: Change user permissions action /administration/users/permissions
* R508: Delete user form /administration/users
* R509: Delete user action /administration/users/delete

R501: View full user list

|  |  |
| --- | --- |
| URL | /administration/users |
| Description | Shows the administrator a list of all the users registered in the system. |
| Method | GET |
| Parameters | None |
| UI | UI20 |
| Permissions | ADM |

R502: Search for user page

|  |  |  |
| --- | --- | --- |
| URL | /administration/users | |
| Description | Search box that allows searching for users. | |
| Method | GET | |
| Request Body | +query: string | String field to search for in users |
| UI | UI20 |  |
| AJAX calls | R503 | |
| Permissions | ADM | |

R503: Search for user API

|  |  |  |
| --- | --- | --- |
| URL | /api/administration/user | |
| Description | This web resource searches the system for users and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in users |
| Response body | JSON02 | |
| Permissions | ADM | |







R504: Send message to user form

|  |  |  |
| --- | --- | --- |
| URL | /administration/users | |
| Description | Pop up with a form where the administrator can write the message and send it to the user. | |
| Method | GET | |
| Parameters | +id: integer | Id of the selected user |
| UI | \* | |
| Permissions | ADM | |

\*UI not implemented yet.

R505: Send message to user action

|  |  |  |
| --- | --- | --- |
| URL | /administration/users/message | |
| Description | Web resource that sends the wrote message by the administrator to the user. Redirects to the user list page. | |
| Method | POST | |
| Request Body | +id: integer | Id of the selected user |
|  | +message: text | Message to be sent to the user |
| Redirects | UI20 |  |
| Permissions | ADM | |



R506: Change user permissions form

|  |  |  |
| --- | --- | --- |
| URL | /administration/users | |
| Description | Pop up with a form where the administrator can select the user permissions (user/administrator). | |
| Method | GET | |
| Parameters | +id: integer | Id of the selected user |
| UI | \* | |
| Permissions | ADM | |

\*UI not implemented yet.

R507: Change user permissions action

|  |  |  |
| --- | --- | --- |
| URL | /administration/users/permissions | |
| Description | Web resource that changes the user permissions in the system. Redirects to the user list page. | |
| Method | POST | |
| Request Body | +id: integer | Id of the selected user |
|  | +message: text | Message to be sent to the user |
|  | +administrator: bool | Permissions of the selected user to be updated in the system |
| Redirects | UI20 |  |
| Permissions | ADM | |



R508: Delete user form

|  |  |  |
| --- | --- | --- |
| URL | /administration/users | |
| Description | Pop-up to delete the selected user from the system. Redirects to the user list page. | |
| Method | GET | |
| UI | UI20 | |
| SUBMIT | R512 |  |
| Permissions | ADM | |

R509: Delete user action

|  |  |  |
| --- | --- | --- |
| URL | /administration/users/delete | |
| Description | Web resource that deletes the selected user. Redirects to the user list page. | |
| Method | DELETE | |
| Request Body | +id: integer | Id of the selected user |
|  | +confirm: boolean | Confirm desire to delete user |
| Redirects | UI20 |  |
| Permissions | ADM | |

**Module M06: Project administration**

* R601: View full project list /administration/projects
* R602: Search projects page /administration/projects/search
* R603: Search projects API /api/administration/projects/search
* R604: Archive project form /administration/projects/
* R605: Archive project action /administration/projects/
* R606: Delete project form /administration/projects/
* R607: Delete project action /administration/projects/

R601: View full project list

|  |  |  |
| --- | --- | --- |
| URL | /administration/projects | |
| Description | Shows complete project list | |
| Method | GET | |
| Parameters | - | - |
| UI | \* | |
| Permissions | ADM | |

\*UI not implemented yet.

R602: Search projects page

|  |  |  |
| --- | --- | --- |
| URL | /administration/projects/search | |
| Description | Page with search bar to search projects. | |
| Method | GET | |
| Request Body | +query: string | String field to search for in projects |
| UI | \* | |
| AJAX calls | R303 | |
| Permissions | ADM | |

\*UI not implemented yet.

R603: Search projects API

|  |  |  |
| --- | --- | --- |
| URL | /api/administration/projects/search | |
| Description | This web resource searches the system for projects and returns the results | |
| Method | GET | |
| Request Body | +query: string | String field to search for in projects |
| Response body |  | |
| Permissions | ADM | |



R604: Archive project form

|  |  |
| --- | --- |
| URL | /administration/projects/{id} |
| Description | Pop-up to archive project |
| Method | GET |
| UI | \* |
| SUBMIT | R606 |
| Permissions | ADM |

\*UI not implemented yet.

R605: Archive project action

|  |  |  |
| --- | --- | --- |
| URL | /administration/projects/{id} | |
| Description | This web resource updates the project state in the system. Redirects to the project’s information on success and to the archive project form on failure. | |
| Method | POST | |
| Request Body | +id | Project primary key |
|  | +confirm: boolean | Confirm desire to archive |
| Redirects | R604 | Success |
|  | R605 | Error |
| Permissions | ADM | |

R606: Delete project form

|  |  |
| --- | --- |
| URL | /administration/projects/{id} |
| Description | Pop-up to delete project |
| Method | GET |
| UI | \* |
| SUBMIT | R608 |
| Permissions | ADM |

\*UI not implemented yet.

R607: Delete project action

|  |  |  |
| --- | --- | --- |
| URL | /administration/projects/{id} | |
| Description | This web resource deletes the project and all its boards from the system. Redirects to the full project list on success and to the delete project form on failure. | |
| Method | POST | |
| Request Body | +id | Project primary key |
|  | +confirm: boolean | Confirm desire to archive |
| Redirects | R601 | Success |
|  | R607 | Error |
| Permissions | ADM | |

**Module M07: Static pages**

* R701: View project information /search/{id\_project}

R702: Homepage /homeR701: View project information

|  |  |  |
| --- | --- | --- |
| URL | /search/{id\_project} | |
| Description | Shows project information | |
| Method | GET | |
| Parameters | +id\_project: integer | Project primary key |
| UI | \* | |
| Permissions | WOR | |

\*UI not implemented yet.

R702: Homepage

|  |  |
| --- | --- |
| URL | /home |
| Description | Get homepage |
| Method | GET |
| UI | UI01 |
| Permissions | VIS |

1. **JSON/HTML types**

The structure of the JSON formatted answers must be documented as illustrated below.

JSON01: Projects

{

"Project": [

{

"id":"1",

"description":"Projeto de LIEB para deteção de apneia do sono",

"start\_date":"2018/03/04",

"end\_date":"2019/05/18",

"name":"Hypnos",

"id\_coordinator":"1",

"project\_state":"In\_progress",

"privacy":"true",

"user\_archived":"NULL"

},

{

"id":"2",

"description":"NULL",

"start\_date":"2018/02/20",

"end\_date":"2019/05/25",

"name":"Fotopletismógrafo portátil",

"id\_coordinator":"1",

"project\_state":"In\_progress",

"privacy":"false",

"user\_archived":"NULL"

}

]

}

JSON02: Users

{

"User": [

{

"id":"1",

"e\_mail":"up201405655@fe.up.pt",

"full\_name":"Teresa Valério",

"password":"teresaMaya19",

"url":"444",

"username":"TeresaValerio",

"administrator":"true",

"user\_ban":"NULL"

},

{

"id":"2",

"e\_mail":"up201402784@fe.up.pt",

"full\_name":"Inês Gonçalves",

"password":"inesggtunafe8",

"url":"123",

"username":"InesGoncalves",

"administrator":"true",

"user\_ban":"NULL"

}

]

}

JSON03: Boards

{

"Board": [

{

"id":"1",

"name ":"Marketing",

"description":"NULL"

"id\_member":"1",

“privacy”: “False”

},

{

"id":"2",

"name ":"Gathering",

"description":"Team responsible for purchases"

"id\_member":"1",

“privacy”: “True”

}

]

}

JSON04: Tasks

{

"Task": [

{

"id":"1",

"name ":"Buy honey",

"description":"Honey is scarcing. 30L of honey are needed for the hive's survival! "

"id\_member":"1",

“budget”: “NULL”,

“deadline”: “15-08-2019”

“progress”: “10%”

“status”: “open”

},

{

"id":"2",

"name ":"Buy fields",

"description":"Flowers are essential for our production. We need to look for new fields, check prices and buy the one with lower price. "

"id\_member":"2",

“budget”: “NULL”,

“deadline”: “15-02-2018”

“progress”: “100%”

“status”: “closed”

}

]

}

Changes made to the previous submission:

* Deleted several tables related to pop-ups that were unnecessary;
* Changed URLs to ensure more consistency;
* Added homepage table;
* Condensed R108 to R113 into one single table;
* Added links to the UIs.

GROUP1734, 08/04/2018

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