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.

2. 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.

3. 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`
- ~~R108: Change password form `/{id}/settings`~~
- ~~R109: Change password action `/{id}/settings`~~
- ~~R110: Change full name form `/{id}/settings`~~
- ~~R111: Change full name action `/{id}/settings`~~
- ~~R112: Change privacy action `/{id}/settings`~~
- ~~R113: Change image action `/{id}/settings`~~
- R110: View full contact list `/{id}/contactList`
- ~~R115: Select option to add user to contact list action~~ ~~`/{id_user}/projectTeam` or `/{id_user}/boardTeam`~~
- R111: Add user to contact list form `/{id_user}/projectTeam` or `/{id_user}/boardTeam`
- R111: 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 ~~password~~ 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 ~~password~~ 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	*	
Permissions	USR	

* UI not implemented yet

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	*	
Permissions	USR	

* UI not implemented yet

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

R201: Create project form

URL	/{id_user}/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	/{id_user}/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	/{id_user}/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	/{id_user}/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	/{id_user}/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	/{id_user}/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/{id_user}/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	/{id_user}/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	~~/{id_user}~~/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	~~/{id_user}~~/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	~~/{id_user}~~/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	~~/{id_user}~~/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	~~/{id}~~/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	~~/{id}~~/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/~~{id}~~/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 ~~/{id_user}/projects/{id_project}~~/boards
- R302: Create board action ~~/{id_user}/projects/{id_project}~~/boards
- R303: Add worker to board form /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R304: Add worker to board action /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R305: View board's tasks /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R306: Search board's tasks page /~~{id}/projects/{id_project}/~~boards/{id_board}
- R307: Search board's tasks API /api/~~{id}/projects/{id_project}/~~boards/{id_board}

R301: Create board form

URL	/{id_user}/projects/{id_project}/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	/{id_user}/projects/{id_project} /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	/{id_user}/projects/{id_project}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	/{id_user}/projects/{id_project}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	R305213	Success
	R303	Error
Permissions	COR	

R305: View board's tasks

URL	~~/{id}/projects/{id_project}/~~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	/~~{id}/projects/{id_project}/~~boards/{id_board}
Description	Page with search bar to search the board's tasks~~user's projects.~~
Method	GET
Request Body	+query: string	String field to search for in tasks
	+id_board: integer	Board primary key
UI	UI15
AJAX calls	R307~~120~~
Permissions	WOR

R307: Search board's tasks API

URL	/api/~~{id}/projects/{id_project}/~~boards/{id_board}
Description	This web resource searches the system for ~~projects~~ 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
  /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R402: Create task action
  /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R403: Update task form
  /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R404: Update task action
  /~~{id_user}/projects/{id_project}/~~boards/{id_board}
- R405: See task description
  /~~{id_user}/projects/{id_project}/~~boards/{id_board}/{id_task}

R401: Create task form

URL	~~/{id_user}/projects/{id_project}/~~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	~~/{id_user}/projects/{id_project}~~ /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	~~/{id_user}/projects/{id_project}~~/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	~~/{id_user}/projects/{id_project}/~~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	~~/{id_user}/projects/{id_project}/~~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: Select user /administration/users~~
- ~~R505: Select option to send message to user action /administration/users~~
- R504: Send message to user form /administration/users
- R505: Send message to user action /administration/users/message
- ~~R508: Select option to change user permissions /administration/users~~
- R506: Change user permissions form /administration/users
- R507: Change user permissions action /administration/users/permissions
- ~~R511: Select option to delete user /administration/users~~
- 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: Select user action

URL	/administration/users	
Description	Web resource that creates a drop down containing the user information and buttons that allow to send message, change permissions or delete user.	
Method	POST	
Request Body	+id: integer	Id of the selected user
Redirects	R504	
Permissions	ADM	

R505: Select option to send message to user action

URL	/administration/users	
Description	Web resource that creates pop up for the administrator to write the message and send it. Redirects to the send message to user form.	
Method	POST	
Request Body	+id: integer	Id of the selected user
Redirects	R506	
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	

R508: Select option to change user permissions action

URL	/administration/users	
Description	Web resource that creates pop up for the administrator to select the user's permissions. Redirects to the change user permissions form.	
Method	POST	
Request Body	+id: integer	Id of the selected user
Redirects	R504	
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: View project information /administration/projects/{id}
- R604: Archive project form /administration/projects/{id}
- R605: Archive project action /administration/projects/{id}
- R606: Delete project form /administration/projects/{id}
- R607: Delete project action /administration/projects/{id}

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: View project information

URL	/administration/projects/{id}	
Description	Show's project information	
Method	GET	
Parameters	+id: integer	Project primary key
UI	*	
Permissions	ADM	

*UI not implemented yet.

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 `/home`

R701: 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

4. 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",
```

```json
            "name":"Fotopletismógrafo portátil",
            "id_coordinator":"1",
            "project_state":"In_progress",
            "privacy":"false",
            "user_archived":"NULL"
        }
    ]
}
```

JSON02: Users

```json
{
    "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

```json
{
    "Board": [
        {
            "id":"1",
            "name ":"Marketing",
            "description":"NULL",
            "id_member":"1",
            "privacy": "False"
        },
        {
```

```json
            "id":"2",
            "name ":"Gathering",
            "description":"Team responsible for purchases"
            "id_member":"1",
            "privacy": "True"
        }
    ]
}
```

JSON04: Tasks

```json
{
    "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.

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