

Web Resources Documentation (A7)

The architecture of the web application to develop is documented indicating the catalogue of resources and the properties of each resource, including: references to the graphical interfaces, and the format of JSON responses. This artefact presents a documentation example for a project management system, including the following subsystems: forum, tasks, meetings, files and user profile.

1 Overview

An overview of the web application to implement is presented in this section, where the modules are identified and briefly described. The web resources associated with each module are detailed in the individual documentation of each module.

M01: Authentication and Personal Overview	Web resources associated with user authentication and individual profile management; includes the following system features: login/logout, registration, view and edit personal profile information. Also allows a user to join a Project, create a new Project and accept an invitation to enter a Project.
M02: Dashboard	Web resources that allow the user to have an overview of the status of a project. Allows the user to view the most urgent meetings or tasks, as well as the latest discussions and uploaded files
M03: Team Management	Web resources associated with the management of the team, allows the user to see information about the other team members, as well as promote or demote them, if the user is a coordinator.
M04: Project Forum	Web resources associated with the team forum, allow the user to view and interact with the forum posts and replies
M05: Project Tasks	Web resources associated with the project's task list, allow the user to create, edit, view and group the tasks.
M06: Project Meetings	Web resources associated with the project team's meetings, allow the user to view the meetings and their details, as well as manage the invitations to a meeting.
M07: Project Files	Web resources associated with the project's files, allow the user to upload and download files, and see their descriptions

2 Permissions

This section defines the permissions used in the modules to establish the conditions of access to resources.

PUB	Public	Group without any projects
TME	Team Member	Group with one or more projects
TCR	Task Creator	User who created a task
TCM	Task Commenter	User who posted a comment on a task
MCR	Meeting Creator	User who scheduled a meeting
PCR	Post Creator	User who created a forum post

PRP	Post Replier	User who posted a reply on a forum post
TCO	Team Coordinator	Group with permission to manage a project

3 Modules

Module M01: Authentication and Personal Overview

=== Endpoints of Module Authentication and Personal Overview ===

These are the endpoints available in the Authentication and Personal Overview module.

- **R101: Profile Page** /pages/profile.php
- **R102: Sign Up** /actions/sign-in.php
- **R103: Sign In** /actions/sign-up.php
- **R104: Join Project** /api/projects/project.php
- **R105: Accept Invite to Project** /actions/users/user-project.php
- **R106: New Project** /actions/projects/new-project.php
- **R107: Upload User Photo** /action/users/upload-user-photo.php
- **R108: Edit Personal Info** /action/users/edit-user-info.php
- **R109: Change Password** /action/users/change-password.php

R101: Profile Page

URL Example	/pages/profile.php	
Description	Profile Page	
Method	GET	
Parameters	+id-user: integer	<description>
UI	UI8	
SUBMIT	R104 R105 R106 R107 R108 R109	
Permissions	TME/TCO	

R102: Sign In

URL Example	/actions/sign-in.php	
Description	Login in Direkt.	
Method	GET	
Request body	+email: varchar	<description>
	+password: varchar	<description>
Redirects	R201	Success
	R101	Error
Permissions	PUB/TME/TCO	

R103: Sign Up

URL Example	/actions/sign-up.php	
Description	Register in Direkt.	
Method	POST	

Request body	+email: varchar	<description>
	+name: varchar	
	+username:varchar	
	+password: varchar	<description>
Redirects	R201	Success
	R102	Error
Permissions	PUB/TME/TCO	

R104: Join Project

URL	/api/projects/project.php	
Description	Join a new Project with a Project Identifier	
Method	POST	
Parameters	+id: integer	Project ID
Returns	200 OK	Successfully added user to project
	404 Not Found	Project ID not Found
Permissions	TME/TCO	

R105: Accept Invite to Project

URL	/actions/users/user-project.php	
Description	Accept Invitation to join an existent Project	
Method	POST	
Request body	+id-user: integer	User ID
	+id-project: integer	Project ID
Redirects	R201	<sucess>(User joined project)
Permissions	PUB/TME/TCO	

R106: New Project

URL	/actions/projects/new-project.php	
Description	Create a new Project	
Method	POST	
Request body	+name: varchar	Project Name
	?description: varchar	Project Description
Redirects	R201	<success>
	R106	<error>
Permissions	TME/TCO	

R107: Upload User Photo

URL	/action/users/upload-user-photo.php	
Description	Upload User Photo	
Method	POST	
Request body	+id-user: integer	User ID
	+photo-path: varchar	Image Path
Redirects	R101	<success>
	R101	<error>

Permissions	TME/TCO
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R108: Edit Personal Info

URL	/action/users/edit-user-info.php	
Description	Update user information	
Method	POST	
Request body	+id-user: integer	User ID
	?name: varchar	User name
	?username: varchar	Username
	?email: varchar	User email
	?phone-number: varchar	User mobile phone
	?birth-date: date	User birth date
	?id-country: integer	User country
	?city: varchar	User city
Redirects	R101	<success>
	R101	<error>
Permissions	TME/TCO	

R109: Change Password

URL	/action/users/change-password.php	
Description	Change user password	
Method	POST	
Request body	+id-user: integer	User ID
	+password: varchar	User new password
Redirects	R101	<success>
	R101	<error>
Permissions	TME/TCO	

Module M02: Dashboard

- **R201: Show Project Overview (Files, Meeting, Task, Members)**
/pages/dashboard.php
- **R202: Show latest uploaded Files** /api/projects/last-files.php
- **R203: Show next Meetings** /api/projects/next-meetings.php
- **R204: Show latest added Taks** /api/projects/last-tasks.php
- **R205: Show latest added Forum Posts** /api/projects/last-forum-posts.php
- **R206: Show Team Photos** /api/projects/team-photos.php
- **R207: Change Project Title** /api/projects/change-title.php
- **R208: Change Project Description** /api/projects/change-description.php

R201: Show Project Overview

URL	pages/dashboard.php	
Description	Show Project Overview	
Method	GET	
Parameters	+id-user:integer	User ID

	+id-project:integer	Project ID
AJAX Calls	R202 R203 R204 R205 R206	
UI	UI2	
Permissions	TME/TCO	

R202: Show latest uploaded Files

URL	/api/projects/last-files.php	
Description	Show three latest uploaded Files	
Method	GET	
Parameters	id-project: integer	Project ID
Response body	JSON202	
Permissions	TME/TCO	

R203: Show next Meetings

URL	/api/projects/next-meetings.php	
Description	Show next three Meetings	
Method	GET	
Parameters	id-project: integer	Project ID
Response body	JSON203	
Permissions	TME/TCO	

R204: Show User's Tasks

URL	/api/projects/last-tasks.php	
Description	Show the user's assigned tasks that are closest to their deadline	
Method	GET	
Parameters	+id-project: integer	Project ID
	+id-user: integer	User ID
Response body	JSON204	
Permissions	TME/TCO	

R205: Show last modified Forum Posts

URL	/api/projects/last-forum-posts.php	
Description	Show last modified forum posts	
Method	GET	
Parameters	+id-project: integer	Project ID
Response body	JSON205	
Permissions	TME/TCO	

R206: Show team Photos

URL	api/projects/team-photos.php	
Description	Get Team photos path	
Method	GET	
Parameters	+id-project:integer	<description>
Response body	JSON206	

Permissions	TME/TCO
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R207: Change Project title

URL	api/projects/change-title.php	
Description	Change Project Title	
Method	POST	
Parameters	+id-project: integer	Project ID
	+name: varchar	Project new Title
Returns	200 OK	Project Title changed
	404 Not Found	Project ID Not Found
Permissions	TME/TCO	

R208: Change Project description

URL	api/change-description.php	
Description	Change Project Description	
Method	POST	
Parameters	id-project: integer	Project ID
	description: varchar	Project Description
Returns	200 OK	Changed Project Description
	404 Not Found	Project ID Not Found
Permissions	TME/TCO	

Module M03: Team Management

- **R301: Show Team** /pages/team-page.php
- **R302: Show Team Member and Team Coordinator Info** /api/team/show-member-info.php
- **R303: Promote Team Member to Team Coordinator** /actions/team/promote-member.php
- **R304: Demote Team Coordinator to Team Member** /actions/team/demote-member.php
- **R305: Delete Team Member** /actions/team/delete-member.php

R301: Show Team

URL Example	/pages/team-page.php	
Description	Show all members of a Project's team and their infos	
Method	GET	
Parameters	+id-project: integer	Project ID
AJAX Calls	R302	
UI	UI06	
SUBMIT	R303 R304 R305	
Permissions	TME/TCO	

R302: Show Team Member and Team Coordinator Info

URL Example	/api/team/show-member-info.php	
Description	Show specific informations about the member clicked	
Method	GET	
Parameters	+id-project: integer	Project ID
Response Body	JSON301	
Permissions	TME/TCO	

R303: Promote Team Member to Team Coordinator

URL Example	/actions/team/promote-member.php	
Description	Promotes a regular team member to coordinator, giving him more permissions	
Method	POST	
Request Body	+id-project: integer	Project ID
	+id-user: integer	User ID
Redirects	R301	Success/Error
Permissions	TME/TCO	

R304: Demote Team Coordinator to Team Member

URL Example	/actions/team/demote-member.php	
Description	Makes a coordinator lose his privileges	
Method	POST	
Request Body	+id-project: integer	Project ID
	+id-user: integer	User ID
Redirects	R301	Success/Error
Permissions	TCO	

R305: Delete Team Member

URL Example	/actions/team/delete-member.php	
Description	Removes a member from the team	
Method	POST	
Request Body	+id-project: integer	Project ID
	+id-user: integer	User ID
Redirects	R301	Success/Error
Permissions	TCO	

Module M04: Project Forum

- **R401: List Forum Posts** /pages/forum.php
- **R402: Write a new Post** /actions/forum/new-post.php
- **R403: Reply to Post** /api/forum/new-post-reply.php
- **R404: Show Post** /api/forum/show-post.php
- **R405: Show Post Replies** /api/forum/show-post-replies.php
- **R406: Forum Pagination** /api/forum/change-forum-page.php
- **R407: Edit Post** /api/forum/edit-post.php
- **R408: Delete Post** /actions/forum/delete-post.php

- **R409: Edit Reply** /api/forum/edit-reply.php
- **R410: Delete Reply** /actions/forum/delete-reply.php

R401: List Forum Posts

URL Example	/pages/forum.php	
Description	Forum Page	
Method	GET	
Parameters	+id-user: integer	User ID
AJAX Calls	R403 R404 R405 R406 R407 R408 R409 R410	
UI	UI4	
SUBMIT	R402	
Permissions	TME/TCO	

R402: Write a new Post

URL Example	/actions/forum/new-post.php	
Description	Create a new Forum Post	
Method	POST	
Request Body	+id-user: integer	User ID
	+title: varchar	Post Title
	+content: varchar	Content of the post
Redirects	R401	Success/Error
Permissions	TME/TCO	

R403: Reply to Post

URL Example	/api/forum/new-post-reply.php	
Description	Add a reply to a Forum Post	
Method	POST	
Parameter	+id-user: integer	User ID
	+content: String	Text of the reply
Returns	200 OK	Successfully added the reply to the Forum Post
	400 Bad Request	No content on the Reply
	404 Not Found	Forum Post not found
Permissions	TME/TCO	

R404: Show Post

URL Example	/api/forum/show-post.php	
Description	Show post details	
Method	GET	
Parameters	+id_forum_post	Forum Post ID
Response Body	JSON401	
Permissions	TME/TCO	

R405: Show Post Replies

URL Example	/api/forum/show-post-replies.php	
Description	Show post reply content	
Method	GET	
Parameters	+id_forum_post_id	Post Reply ID
Response Body	JSON402	
Permissions	TME/TCO	

R406: Forum Pagination

URL Example	/api/forum/change-forum-page.php	
Description	Show more Forum Posts	
Method	GET	
Parameters	+num_page	Forum Page number
Response Body	JSON403	
Permissions	TME/TCO	

R407: Edit Post

URL Example	/api/forum/edit-post.php	
Description	Edit a Forum Post	
Method	POST	
Parameter	+id-post: integer	Forum Post ID
	+content: String	Edited content
	+id-user: integer	ID of the user editing
Returns	200 OK	Successfully added the reply to the Forum Post
	400 Bad Request	No content on the Reply
	404 Not Found	Forum Post not found
Permissions	PCR	

R408: Delete Post

URL Example	/actions/forum/delete-post.php	
Description	Delete a Forum Post	
Method	POST	
Request Body	+id-user: integer	User ID
	+id-post: String	Post Title
	+id-user: integer	ID of the user editing
Redirects	R401	Success/Error
Permissions	PCR/TCO	

R409: Edit Reply

URL Example	/api/forum/edit-reply.php	
Description	Edit a Reply to a Forum Post	
Method	POST	
Parameter	+id-reply: integer	Reply ID

	+content: String	Edited content
	+id-user: integer	ID of the user editing
Returns	200 OK	Successfully added the reply to the Forum Post
	400 Bad Request	No content on the Reply
	404 Not Found	Forum Post not found
Permissions	PRP	

R410: Delete Reply

URL Example	/actions/forum/delete-reply.php	
Description	Delete a Forum Post	
Method	POST	
Request Body	+id-reply: String	Post Title
	+id-user: integer	ID of the user editing
Redirects	R401	Success/Error
Permissions	PRP/TCO	

Module M05: Project Tasks

- **R501: Show Project Tasks** /pages/tasks.php
- **R502: Show Task Comments and Details** api/tasks/task-details.php
- **R503: Create Task** api/tasks/create-task.php
- **R504: Comment on a Task** api/tasks/add-comment.php
- **R505: Select Task Group by Tag** api/tasks/tasks-by-tag.php
- **R506: Assign User to Task** api/tasks/assign-user.php
- **R507: Delete Task** actions/tasks/delete-task.php
- **R508: Mark as Completed** api/tasks/mark-completed.php
- **R509: Mark as Uncompleted** api/tasks/mark-uncomplete.php
- **R510: Edit Task** api/tasks/edit-task.php
- **R511: Edit Task Comment** api/tasks/edit-task-comments.php
- **R512: Delete Task Comment** actions/tasks/delete-task-comment.php

R501: Show Project Tasks

URL	pages/tasks.php	
Description	Project tasks page	
Method	GET	
Parameters	+id-project: integer	Project ID
AJAX Calls	R502 R503 R504 R505 R506 R507 R508 R509 R510 R511 R512	
UI	UI3	
Permissions	TME/TCO	

R502: Show Details

URL	api/tasks/task-details.php	
Description	Get tasks details	
Method	GET	
Parameters	+id-project: integer	Project ID

	+id-task: integer	Task ID
Response body	JSON501	
Permissions	TME/TCO	

R503: Show Task Comments

URL	api/tasks/task-comments.php	
Description	Get tasks comments	
Method	GET	
Parameters	+id-project: integer	Project ID
	+id-task: integer	Task ID
	+id-user: integer	User ID
Response body	JSON502	
Permissions	TME/TCO	

R504: Create Task

URL	api/tasks/create-task.php	
Description	Creates a new task	
Method	PUT	
Parameters	+name: varchar	Task Name
	+create-id: integer	User that created the task
	+project-id: integer	Project ID
Returns	200 OK	Created with success
Permissions	TME/TCO	

R505: Comment on a Task

URL	api/tasks/add-comment.php	
Description	Add comment on a task	
Method	PUT	
Parameters	+creation-date: timestamp	Comment creation date
	+content: varchar	Comment content
	+id-user: integer	User Id
Returns	200 OK	Success
Permissions	TME/TCO	

R506: Select Task Group by Tag

URL	api/tasks/tasks-by-tag.php	
Description	Select task group by tag	
Method	GET	
Parameters	+tag-id: integer	Tag ID
	+project-id: integer	Project ID
Returns	200 OK	Success
Permissions	TME/TCO	

R507: Assign User to Task

URL	api/tasks/assign-user.php	
Description	Assign a user to a task	
Method	POST	
Parameters	+id-project: integer	Project ID
	+id-task: integer	Task ID
	+id-user: integer	User ID
Response body	200 OK	Success
	404 Not Found	User or Project or Task not found
Permissions	TCR/TCO	

R508: Delete Task

URL Example	/actions/tasks/delete-task.php	
Description	Delete a Task	
Method	POST	
Request Body	+id-task: integer	Task ID
	+id-user: integer	ID of the user editing
Redirects	R501	Success/Error
Permissions	TCR/TCO	

R509: Mark as Completed

URL	api/tasks/mark-completed.php	
Description	Mark a task as completed	
Method	POST	
Parameters	+id-project: integer	Project ID
	+id-task: integer	Task ID
Response body	200 OK	Success
	404 Not Found	User or Task not found
Permissions	TME	

R510: Mark as Uncompleted

URL	api/tasks/mark-uncompleted.php	
Description	Mark a task as uncompleted	
Method	POST	
Parameters	+id-project: integer	Project ID
	+id-task: integer	Task ID
Response body	200 OK	Success
	404 Not Found	Project or Task not found
Permissions	TME	

R511: Edit Task

URL	api/tasks/edit-task.php
Description	Assign a user to a task

Method	GET	
Parameters	+id-project: integer	Project ID
	+id-task: integer	Task ID
	+id-user: integer	User ID
	?deadline: time	New task deadline
	?name: time	New task name
	?description: time	New task description
Response body	200 OK	Success
	404 Not Found	User or Project or Task not found
Permissions	TCR	

R512: Edit Task Comment

URL Example	/api/tasks/edit-task-comment.php	
Description	Edit a Comment to a Task	
Method	POST	
Parameter	+id-task: integer	Task ID
	+id-comment: String	Comment ID
	+contetn: integer	Edited content
Returns	200 OK	Successfully added the reply to the Forum Post
	400 Bad Request	No content on the Reply
	404 Not Found	Forum Post not found
Permissions	TCM	

R513: Delete Task Comment

URL Example	/actions/tasks/delete-comment.php	
Description	Delete a Comment to a task	
Method	POST	
Request Body	+id-task: integer	Task ID
	+id-comment: integer	Comment ID
	+id-user: integer	ID of the user editing
Redirects	R501	Success/Error
Permissions	TCM/TCO	

Module M06: Project Meetings

- **R601: Show Project Meetings** /pages/meetings.php
- **R602: See Meeting Details** /api/files/meeting-details.php
- **R603: Accept Meeting Invitation** /api/files/accept-meeting-invitation.php
- **R604: Invite User to Meeting** /api/files/invite-user-meeting.php
- **R605: Schedule Meeting** /actions/meetings/schedule-meeting.php
- **R606: Delete Meeting** /actions/meetings/delete-meeting.php

R601: Show Project Meetings

URL	/pages/meetings.php
Description	Meetings Page

Method	GET
Parameters	+id-project: integer Project ID
AJAX Calls	R602 R603 R604
UI	UI7
SUBMIT	R603 R604 R605 R606
Permissions	TME/TCO

R602: See Meeting Details

URL	/api/files/meeting-details.php
Description	Show Meeting details
Method	GET
Parameters	+id-meeting: integer Meeting ID
Response body	JSON602
Permissions	TME/TCO

R603: Accept Meeting Invitation

URL	/api/files/accept-meeting-invitation.php
Description	Accept an invitation for a meeting
Method	POST
Parameters	+id-project: integer Project ID
	+id-meeting: integer Meeting ID
	+id-user: integer User ID
Returns	200 OK Request successful
	404 Not Found Project, or meeting, or user not found
Permissions	TME/TCO

R604: Invite User to Meeting

URL	/api/files/invite-user-meeting.php
Description	Invite a user to attend a meeting
Method	POST
Parameters	+id-project: integer Project ID
	+id-meeting: integer Meeting ID
	+id-user: integer User ID
Returns	200 OK Request successful
	404 Not Found Project, or meeting, or user not found
Permissions	MCR/TCO

R605: Schedule Meeting

URL	/actions/meetings/schedule-meeting.php
Description	Schedule a new Meeting
Method	POST
Request Body	+id-project: integer Project ID
	+id-user: integer User ID
	+meeting-name: string Meeting Name

	+description: string	Meeting Description
	+date: date	Meeting Date
	+duration: time	Meeting Duration
Redirect	R601	
Permissions	TME/TCO	

R606: Delete Meeting

URL	/actions/meetings/delete-meeting.php	
Description	Delete a Meeting	
Method	POST	
Request Body	+id-project: integer	Project ID
	+id-user: integer	User ID
	+id-meeting: integer	Meeting ID
Redirect	R601	
Permissions	MCR/TCO	

Module M07: Project Files

- **R701: Show Project Files** /pages/files.php
- **R702: See File Details** /api/files/file-details.php
- **R703: Upload File** /actions/files/upload-file.php
- **R704: Download File** /api/files/download-file.php

R701: Show Project Files

URL	/pages/files.php	
Description	Files Page	
Method	GET	
Parameters	+id-project: integer	Project ID
AJAX Calls	R702 R704	
UI	UI5	
SUBMIT	R703	
Permissions	TME/TCO	

R702: See File Details

URL	/api/files/file-details.php	
Description	Show File details	
Method	GET	
Parameters	+id-file: integer	File ID
Response body	JSON702	
Permissions	TME/TCO	

R703: Upload File

URL	/actions/files/upload-file.php	
Description	Upload a new File	

Method	POST	
Request body	+id-project: integer	Project ID
	?id-tag: integer	Tag ID
	+path: varchar	File path
	+name: varchar	File name
	+id-user: integer	User ID
	+id-project: integer	Project ID
Redirects	R701	<success>(If it is possible to find project id, user id and tag id , add file to project)
	R701	<error>(If it was not found project id, user id and tag id)
Permissions	TME/TCO	

R704: Download File

URL	/api/files/download-file.php	
Description	Download an existent File	
Method	GET	
Parameters	+id-file: integer	File ID
Returns	200 OK	File Id found
	404 Not Found	File Id not found
Permissions	TME/TCO	

4 JSON Types

JSON202: Show latest uploaded Files {file}[]

```
{
  "file":[
    {
      "name": "summer_internship",
      "user-photo": "/assets/users/user3.jpg",
      "username" : "rrdias"
    },
    {
      "name": "clients",
      "user-photo": "/assets/users/user4.jpg",
      "username" : "tgfi"
    },
    {
      "name": "timetable",
      "user-photo": "/assets/users/user3.jpg",
      "username" : "rrdias"
    }
  ]
}
```


JSON203: Show next Meetings {meeting}[]

```
{
  "meeting": [
    {
      "name" : "General Meeting",
      "date" : "2017-07-09"
    },
    {
      "name" : "Meeting about Summer",
      "date" : "2017-07-10"
    },
    {
      "name" : "Interns",
      "date" : "2017-07-12"
    }
  ]
}
```

JSON204: Show User tasks closest to deadline {task}[]

```
{
  "task": [
    {
      "name" : "Merge changes"
    },
    {
      "name" : "Upload Photo"
    },
    {
      "name" : "Change timetable"
    }
  ]
}
```

JSON205: Show latest modified Forum Posts {posts}[]

```
{
  "post": [
    {
      "title" : "Great Js resource",
      "user-photo" : "/assets/users/user5.jpg",
      "username" : "rrdias",
      "date-created": "2017-07-22 09:30:12+01"
    },
    {
      "title" : "Some changes needed",
      "user-photo" : "/assets/users/user6.jpg",

```

```
    "username" : "asilva",
    "date-created" : "2017-03-07 15:02:00+01"
  },
  {
    "title" : "Merge changes",
    "user-photo" : "/assets/users/user6.jpg",
    "username" : "asilva",
    "date-created" : "2017-02-27 11:23:00+01"
  }
]
```

JSON206: Show Team Photos {photos}[]

```
{
  "user": [
    {
      "photo_path" : "/path/photo1"
    },
    {
      "photo_path" : "/path/photo2"
    }
  ]
}
```

JSON301: Show Team {user}

```
{
  "user":
  {
    "id": "12346",
    "name": "John Doe",
    "username" : "johndoe96",
    "email" : "johndoe96@gmail.com",
    "photo_path" : "/path/photo1",
    "country-name" : "Portugal",
    "city-name" : "Porto",
    "birth-date" : "1996-01-01"
  }
}
```

JSON401: Show Post: {post}

```
{
  "post":
  {
    "id": "12346",
```

```
    "title": "General Post",
    "creation_date": "2014-04-04",
    "content" : "Post text",
    "date_modified" : "2014-04-05",
    "creator_name" : "John Doe",
    "photo_path" : "/path/photo"
  }
}
```

JSON402: Show Post Replies: {reply}[]

```
{
  "replies": [
    {
      "id": "12346",
      "content": "reply1",
      "creation_date" : "2014-04-05",
      "creator_name" : "John Doe",
      "photo_path" : "/path/photo1"
    },
    {
      "id": "12347",
      "content": "reply2",
      "creation_date" : "2014-04-05",
      "creator_name" : "Rita Doe",
      "photo_path" : "/path/photo2"
    },
  ]
}
```

JSON403: Forum Pagination: {post}[]

```
{
  "posts": [
    {
      "id": "12346",
      "title": "Forum Post 1",
      "creation_date" : "2014-04-05",
      "creator_name" : "John Doe",
      "photo_path" : "/path/photo1"
    },
    {
      "id": "12347",
      "title": "Forum Post 2",
      "creation_date" : "2014-04-06",
      "creator_name" : "Rita Doe",
      "photo_path" : "/path/photo2"
    },
  ],
}
```

```
]
}
```

JSON501: Show task details: {file}

```
{
  "task": {
    "id": "12346",
    "name": "Do stuff",
    "description" : "Another one",
    "deadline" : "2017-07-27 00:00:00+01",
    "creator_id" : "123456",
    "completer_id" : "123456",
    "project_id" : "123456"
  }
}
```

JSON502: Show task comments: {file}

```
{
  "comment": [
    {
      "id": "12346",
      "creation_date" : "2017-07-27 00:00:00+01",
      "content": "Nice task.",
      "id_user" : "123456",
      "id_task" : "123456"
    },
    {
      "id": "12347",
      "creation_date" : "2017-07-28 00:00:00+01",
      "content": "Nice work.",
      "id_user" : "123452",
      "id_task" : "123456"
    }
  ]
}
```

JSON602: Show meeting details: {meeting}

```
{
  "meeting": {
    "id" : "1223",
    "name" : "Second General Meeting",
    "date" : "2017-07-27 00:00:00+01",
    "duration" : "01:30:00",
  }
}
```

```
    "description" : "Everyone must attend",  
    "creator_name" : "José Miranda"  
  }  
}
```

JSON702: Show File details: {file}

```
{  
  "file":  
    {  
      "id": "12346",  
      "upload_date": "2017-07-27 00:00:00+01",  
      "uploader_name" : "Maria Reis",  
      "uploader_photo" : "/images/users/user2.jpg",  
      "name" : "Summer_Internship",  
      "tag-name" : "summer"  
    }  
}
```

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