REST Specification Coffee

Login Service

Name	Input	Return value	Description	Request
/sessions	Username, password	Cookie, User	Login	POST
/sessions		String	Logout	DELETE
/sessions	Username	User/String	Check if user is logged in	GET

User Service

Name	Input	Return value	Description	Request
/users		Array<User>	Get all users	GET
/users	User	User	Create new user	POST
/users/{user_id}		User	Delete user	DELETE
/users/{user_id}	User	User	Change user	PUT
/users/{user_id}		User	Get user	GET

Project Service

Name	Input	Return value	Description	Request
/projects	Project	Project	Create new project	POST
/projects/{project_id}	Project	Project	Update project	PUT
/users/{user_id}/projects		**Array<Project>**	**Return all projects with which a user is associated**	**GET**
/projects/{project_id}		Project	Delete project	DELETE
/users/{user_id}/projects/{project_id		**User**	**Add user to project**	**POST**
/users/{user_id}/projects/{project_id		**User**	**Remove user from project**	**DELETE**
/projects/{project_id}		**Project**	**Returns a project**	**GET**
/projects/{project_id}/current_sprint		**Sprint**	**Returns a current sprint**	**GET**
/projects/{project_id}/users		**Array<User>**	**Returns all users of a project**	**GET**
/projects/{project_id}/users/ranking		**Array<User>**	**Returns all users of a project ranked by points**	**GET**
/projects/{project_id}/tasks_backlog		**Array<Task>**	**Returns tasks which are not completed nor in any sprint**	**GET**
/projects/{project_id}/progress		**"progress_perc entage"**	**Returns JSON with percentage value of completed tasks**	**GET**

Requirement Service

Name	Input	Return value	Description	Request
/projects/{project_id}/reqs	Requirement	Requirement	Create new requirement	POST
/projects/{project_id}/reqs/{req_id}	Requirement	Requirement	Update requirement	PUT
/projects/{project_id}/reqs		Array<Requirement>	Return all reqs of a project	GET
reqs/{req_id}		Requirement	Delete requirement	DELETE
/reqs/{req_id}		Requirement	Get requirement	GET

Task Service

Name	Input	Return value	Description	Request
/reqs/{req_id}/tasks	Task	Task	Create new task	POST
/reqs/{req_id}/tasks/{task_id}	Task	Task	Data of task is updated	PUT
/reqs/{req_id}/tasks		Array<Task>	Return all tasks associated with a requirement	GET
/reqs/{req_id}/tasks/{task_id}		Task	Delete task	DELETE
/tasks/{task_id}		Task	Get task	GET

Sprint Service

Name	Input	Return value	Description	Request
/projects/{project_id}/sprints	Sprint	Sprint	Adds a new sprint	POST
/projects/{project_id}/sprints		Sprint	Returns all sprints of project	GET
/projects/{project_id}/sprints/{sprint_id}	**Sprint**	Sprint	Update of sprint	PUT
/sprints/{sprint_id}		Sprint	Delete sprint	DELETE
/sprints/{sprint_id}		Sprint	Get sprint	GET
/sprints/{sprint_id}/tasks		Array<Task>	Returns tasks of that sprint	GET

Comments:

- "String" means that the return value is a JSON-String with the key "Message" and the value "OK" if the request could be proceeded successfully or the error message if not
- "User", "Project", "Task", "Requirements" and "Sprint" are JSON-Objects with all fields of the respective database entity(which you can find in the database schema)
- If a user is not logged in a HTTP 401 error is returned
- If a user is not authorized to make a certain request a HTTP 403 error is returned