REST Specification Coffee

Login Service

Name	Input	Return value	Description	Request
/sessions	Username, password	Cookie, user_id	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		String	Delete user	DELETE
/users/{user_id}	User	String	Change user	PUT

Project Service

Name	Input	Return value	Description	Request
/projects	Project	Project	Create new project	POST
/projects/{project_id}	Project	String	Update project	PUT
/projects/{user_id}		**Array<Project>**	**Return all projects with which a user is associated**	**GET**
/projects/{project_id}		String	Delete project	DELETE
/projects/user/{user_id}	**Project_id**	**String**	**Add user to project**	**POST**
/projects/user/{user_id}	**Project_id**	**String**	**Remove user from project**	**DELETE**

Requirement Service

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

Task Service

Name	Input	Return value	Description	Request
/tasks	Task	Task	Create new task	POST
/tasks/{req_id}	Task	String	Data of task is updated	PUT

/tasks/{req_id}		Array<Task>	Return all tasks associated with a requirement	GET
/tasks{req_id}		String	Delete task	DELETE

Sprint Service

Name	Input	Return value	Description	Request
/sprints	Sprint	Sprint	Starts a new sprint	POST
/sprints/{project_id}		Sprint	Returns current sprint of project	GET
/sprints/{project_id}		String	Closes the current sprint of project	PUT

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