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| **Method** | **Endpoint Path** | **Headers** | **Parameters** | **Expected changes** | **Responses** | **Errors** |
| Get | Api/Projects | None. | None. | None. | A list of all projects. | None. |
| Get | Api/GetProject | None. | The primary key for a project. | None. | The project with an id of the parameter. | 404 project not found. |
| Get | Api/ProjectExist | Expects a authorization key . | The primary key for a project. | None. | A bool is either true if the project exists or false if it doesn’t. | None. |
| Get | Api/UsersRelationToProject | Authority token key. | The primary key for the user who tries to access the relation, and the project's primary key. | None. | An integer within the range of 1-3. 1 means they are not related to the project. 2 means they are a collaborator of the project. 3 means they are an admin/owner of the project. | 404 either the user’s or the projects can’t be found. |
| Get | Api/Projects/{projectId}/AdminProjectView | Authority token key. | The primary key for the user and for the project. | None. | All information of a project suited for an admin. | 404 either the user or projects is not found.  401 user is not verified as an admin for the project, thus not allowed to view the material. |
| Get | Api/Projects/{projectId}/CollaboratorProjectView | Authority token key. | The primary key for the user and for the project. | None. | All information of a project suited for a collaborator. | 404 either the user or projects is not found.  .  401 user is not verified as a collaborator for the project, thus not allowed to view the material. |
| Get | Api/Projects/{projectId}/NonCollaboratorProjectView | None. | The primary key for the project. | None. | All non-secret information. | 404 the project was not found. |
| Get | Api/ProjectsForMainPage | None. | A starting positioning index and a range of projects to fetch.  A search filter used to only display certain projects. | None. | A range of projects name and a description (shorten).  If out of bounds return nothing. | 404 project was not found.  400 start index or range is lower than 0. |
| Put | Api/Projects{id} | Authority token key. | Id for the project, a edit project DTO. | Edit a project’s name, description, category, availability, repository link. | Ok result, the edit was successful. | 404 project was not found. |
| Put | api/projects/{projectID}/addMemberToProject | Authority token key. | Project id and user id. | Add a member to a project and vice versa with a linking table. | Ok result, the edit was successful. | 404 project or user was not found. |
| Put | api/projects/{projectID}/{projectId}/RemoveMemberFromProject | Authority token key. | Project id and user id. | Remove a member from the project and vice versa. | Ok result, the edit was successful. | 404 user not found.  404 project not found.  404 user was not in the project.  400 owner can’t leave their own project. |
| Put | ap/projects/{projectId}/AddProjectApplication | Authority token key. | Project id and create project application DTO. | Add a project application in the project. | Ok result, the edit was successful. | 404 project is not found.  404 user (in the application) is not found. |
| Put | api/projects/{applicationId}/RemoveProjectApplicationFromProject | Authority token key. | Application id. | Remove an application from a project. | Ok result, the edit was successful. | 404 application not found.  404 project (from the application DTO) was not found |
| Put | api/projects/{applicationId}/AcceptProjectApplication | Authority token key. | Application id. | Add a user to the project and remove the application. | Ok result, the edit was successful. | 404 application not found.  In extension with inner functions accepting an application can also trigger the errors: 404 user not found.  404 project not found. |
| Get | api/projects/{id}/projectApplication | Authority token key. | Primary key for an application. | None. | An application. | 404 application was not found. |
| Post | api/projects/{id} | Authority token key. | Create project DTO. | Adding a project to the database. | Created at action, the creation was successful. | 404 user (from the create project DTO) was not found. |
| Delete | api/projects/{id} | Authority token key. | Primary key for a project. | Deletes a project from the database. | No content, the deletion was successful. | 404 project was not found. |
| Get | api/v1/Users | Authority token key. | None. | None. | A list of all users. | None. |
| Get | api/GetId | Authority token key. | Keycloak id and name. | If no user with the keycloak id exists, create a new one with that id and the value of the second parameter. | The primary key of a user. | None. |
| Put | api/Users/{id}/updateUser | Authority token key. | User id and edit user DTO. | Edit a user's description and if the profile is hidden. | No content, the edit was successful. | 404 the user can’t be found. |
| Get | api/v1/Users/{userId} | Authority token key. | User id (of the profile the user wishes to fetch) and a viewer id (the user who request the fetch). | None. | A user’s profile. If their profile is set to be hidden majority of the profile won’t be transferred from the database, unless the viewer is a owner of a project the user have applied to join. | 404 the user can’t be found.  404 the viewer can’t be found. |
| Get | api/v1/Users/{userId}/GetUserByIdNotLoggedIn | None. | Primary key of the user th be fetched. | None. | A user's profile, if it is set to hidden, a majority of the profile won't be sent; no exceptions. | 404 the user doesn’t exist. |
| Put | api/Users/{id}/AddSkill | Authority token key. | Primary key of the user and a string of the skill name. | Add a skill with the title of the parameter to the user. | No content, the edit was successful. | 404 the user isn't found.  400 the skill name is not null or an empty string after a trim of blank spaces.  400 the user has already acquired that skill. |
| Put | /api/v1/Users/{id}/RemoveSkill | Authority token key. | Primary key of the user and a string of the skill to be removed. | Remove the skill from the user, if the user was the last one with that skill, remove the skill from the database. | No content, the edit was successful. | 404 the user isn’t found.  404 the skill isn’t found. |
| Post | /api/v1/Users | Authority token key. | Create user DTO. | Add a user to the database, OBS this won’t add a keycloak token and is not use in the project. | Create at action, the creation was successful. | None. |
| Delete | /api/v1/Users/{id} | Authority token key. | Primary key of the user to be removed. | Remove the user from the database. | No content, the deletion was successful. | 404 the user isn’t found. |