Version Control

Date	Description	Version
2025-10-14	General endpoint descriptions	0.0.1

Project - Awesome Project Management- REST API

Definition of the REST API for Awesome Project Management endpoints

Types

DateType

```javascript
JavaScript
export interface DateType {
  year: number; // YYYY
  month: number; // 0-11
  week: number; // 0-3
}
```

Project

```javascript
JavaScript
export interface Project {
  uuid: string;

  title: string;
  description?: string;
  startDate: DateType;
  endDate: DateType;
  additionalFields?: Record<string, string>;
}
```

Milestone

```javascript
JavaScript
export interface Milestone {
  uuid: string;
  projectUuid: string;

  title: string;
  date: DateType;
  description?: string;
}
```

Task

```javascript
export interface Task {
  uuid: string;
  projectUuid: string;

  title: string;
  description?: string;
  durationWeeks: number;
  startDate: DateType;
}
```

Analysis

```javascript
export interface TaskAnalysis {
  taskUuid: string;

  taskTitle: string;

  initialCompletion: number; // 0-1 -> percentage
  endCompletion: number; // 0-1 -> percentage
}

export interface MilestoneAnalysis {
  milestoneUuid: string;

  milestoneTitle: string;

  startDate: DateType;
  endDate: DateType;

  initialCompletion: number; // 0-1 -> percentage
  endCompletion: number; // 0-1 -> percentage

  taskList: Array<TaskAnalysis>;
}

export interface ProjectAnalysis {
  project: Project;

  milestoneList: Array<MilestoneAnalysis>;
```

```javascript
}
```

UpsertProjectCommand

```javascript
JavaScript
export interface UpsertProjectCommand {
  title: string;
  description?: string;
  startDate: DateType;
  endDate: DateType;
  additionalFields?: Record<string, string>;
}
```

UpsertMilestoneCommand

```javascript
JavaScript
export interface UpsertMilestoneCommand {
  title: string;
  date: DateType;
  description?: string;
}
```

UpsertTaskCommand

```javascript
JavaScript
export interface UpsertTaskCommand {
  title: string;
  description?: string;
  durationWeeks: number;
  startDate: DateType;
}
```

Endpoints

CRUD endpoints

URL	Verb	Description	Input	Output
/project	GET	Lista projectos	n/a	Array<Project>
/project	POST	Crea un proyecto	UpsertProjectCommand	Project
/project/{projectUuid}	GET	Recupera un proyecto	n/a	Project
/project/{projectUuid}	PUT	Actualiza un proyecto	UpsertProjectCommand	Project
/project/{projectUuid}	DELETE	Borra un proyecto	n/a	n/a
/project/{projectUuid}/milestone	GET	Lista hitos	n/a	Array<Milestone>
/project/{projectUuid}/milestone	POST	Añade un hito	UpsertMilestonCommand	Milestone
/project/{projectUuid}/milestone/{milestonUuid}	GET	Recupera un hito	n/a	Milestone
/project/{projectUuid}/milestone/{milestonUuid}	PUT	Actualiza un hito	UpsertMilestonCommand	Milestone
/project/{projectUuid}/milestone/{milestonUuid}	DELETE	Borra un hito	n/a	n/a
/project/{projectUuid}/task	GET	List tareas	n/a	Array<Task>
/project/{projectUuid}/task	POST	Crea una tarea	UpsertTaskCommand	Task
/project/{projectUuid}/task/{taskUuid}	GET	Recupera una tarea	n/a	Task

/project/{projectUuid}/task/{taskUuid}	PUT	Actualiza una tarea	UpsertTaskCommand	Task
/project/{projectUuid}/task/{taskUuid}	DELETE	Borra una tarea	n/a	n/a

Analysis endpoints

/project/{projectUuid}/analysis	GET	Realiza análisis del proyecto	n/a	ProjectAnalysis

Error

When an error occurs, the server will return an error message with a HTTP Status.

Type	Reason	HTTP Status
		500
		400
		404
		409

Syntax

```javascript
JavaScript
export interface Error {
    type: string;
    description: string;
}
```