# Project Management System API

## Overview

This is a sample server Project Management System server.

## Version information

*Version* : 1.0

## License information

*License* : Apache 2.0
*License URL* : http://www.apache.org/licenses/LICENSE-2.0.html
*Terms of service* : http://swagger.io/terms/

## URI scheme

*Host* : localhost:8080
*BasePath* : /api/v1

## External Docs

*Description* : OpenAPI
*URL* : https://swagger.io/resources/open-api/

# Paths

## User login

```
POST /auth/login
```

### Description

User login with provided credentials

### Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **loginRequest** *required* | User login credentials | dto.LoginRequest |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successfully logged in | dto.AuthResponse |
| **400** | Invalid credentials | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- auth

# User registration

    POST /auth/register

## Description

User registration with required information

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Body** | **registerRequest** *required* | User registration details | dto.RegisterRequest |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **201** | User successfully registered | dto.AuthResponse |
| **400** | Invalid data | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- auth

# Creates new project by id

```
POST /projects
```

## Description

post project

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **project**<br>*required* | project data | dto.CreateProjectRequest |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **201** | Created | dto.ProjectResponse |
| **400** | Bad Request | dto.ResponseErr |
| **404** | Not Found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- projects

## Security

| Type | Name |
|------|------|
| Unknown | BearerAuth |

# Getting project by id

```
GET /projects/{id}
```

## Description

get project by ID

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Path | id *required* | Project ID | integer |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | OK | dto.ProjectResponse |
| 400 | Bad Request | dto.ResponseErr |
| 404 | Not Found | dto.ResponseErr |
| 500 | Internal Server Error | dto.ResponseErr |

## Consumes

- `application/json`

## Produces

- `application/json`

## Tags

- projects

## Security

| Type | Name |
|---|---|
| **Unknown** | **BearerAuth** |

# Updates project by id

```
PUT /projects/{id}
```

## Description

put project

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Path** | **id**<br>*required* | Project ID | integer |
| **Body** | **project**<br>*required* | project data | dto.UpdateProjectRequest |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | OK | dto.ProjectResponse |
| **400** | Bad Request | dto.ResponseErr |
| **404** | Not Found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- projects

## Security

| Type | Name |
|---|---|
| **Unknown** | **BearerAuth** |

# Deletes project by id

```
DELETE /projects/{id}
```

## Description

delete project

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Path** | **id**<br>*required* | Project ID | integer |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successful response | No Content |
| **400** | Bad Request | dto.ResponseErr |
| **404** | Not Found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- projects

## Security

| Type | Name |
|------|------|
| Unknown | **BearerAuth** |

# Create a new task

```
POST /tasks
```

## Description

Create a task with the provided data

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **task** *required* | Task data | dto.CreateTaskRequest |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **201** | Task created successfully | dto.TaskResponse |
| **400** | Invalid task data | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- `application/json`

## Produces

- `application/json`

## Tags

- tasks

## Security

| Type | Name |
|------|------|
| Unknown | **BearerAuth** |

# Get task by ID

```
GET /tasks/{id}
```

## Description

Retrieve a task by its unique ID

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Path | **id** *required* | Task ID | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Task details | dto.TaskResponse |
| **404** | Task not found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- tasks

## Security

| Type | Name |
|------|------|
| **Unknown** | **BearerAuth** |

# Update an existing task

```
PUT /tasks/{id}
```

## Description

Update a task's information by its ID

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **task**<br>*required* | Updated task data | dto.UpdateTaskRequest |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Task updated successfully | dto.TaskResponse |
| **400** | Invalid task data | dto.ResponseErr |
| **404** | Task not found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- `application/json`

## Produces

- `application/json`

## Tags

- tasks

## Security

| Type | Name |
|------|------|
| **Unknown** | **BearerAuth** |

# Delete task by ID

```
DELETE /tasks/{id}
```

## Description

Delete a task using its unique ID

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Path** | **id** *required* | Task ID | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Task deleted successfully | No Content |
| **404** | Task not found | dto.ResponseErr |
| **500** | Internal Server Error | dto.ResponseErr |

## Consumes

- application/json

## Produces

- application/json

## Tags

- tasks

## Security

| Type | Name |
|------|------|
| **Unknown** | **BearerAuth** |

# Definitions

## dto.AuthResponse

| Name | Schema |
|------|--------|
| **accessToken** *optional* | string |
| **refreshToken** *optional* | string |

# dto.CreateProjectRequest

| Name | Schema |
|---|---|
| **description**<br>*optional* | string |
| **name**<br>*optional* | string |
| **productionEndAt**<br>*optional* | string |
| **productionStartAt**<br>*optional* | string |
| **status**<br>*optional* | string |

# dto.CreateTaskRequest

| Name | Schema |
|---|---|
| **description**<br>*optional* | string |
| **name**<br>*optional* | string |
| **projectId**<br>*optional* | string |

# dto.LoginRequest

| Name | Schema |
|---|---|
| **email**<br>*optional* | string |
| **password**<br>*optional* | string |

# dto.ProjectResponse

| Name | Schema |
|---|---|
| **description**<br>*optional* | string |
| **id**<br>*optional* | string |

| Name | Schema |
|---|---|
| **name**<br>*optional* | string |
| **productionEndAt**<br>*optional* | string |
| **productionStartAt**<br>*optional* | string |
| **status**<br>*optional* | string |

# dto.RegisterRequest

| Name | Schema |
|---|---|
| **email**<br>*optional* | string |
| **firstName**<br>*optional* | string |
| **lastName**<br>*optional* | string |
| **password**<br>*optional* | string |

# dto.ResponseErr

| Name | Schema |
|---|---|
| **message**<br>*optional* | string |

# dto.TaskResponse

| Name | Schema |
|---|---|
| **description**<br>*optional* | string |
| **id**<br>*optional* | string |
| **name**<br>*optional* | string |
| **projectId**<br>*optional* | string |

# dto.UpdateProjectRequest

| Name | Schema |
|---|---|
| **description** <br> *optional* | string |
| **id** <br> *optional* | string |
| **name** <br> *optional* | string |
| **productionEndAt** <br> *optional* | string |
| **productionStartAt** <br> *optional* | string |
| **status** <br> *optional* | string |

# dto.UpdateTaskRequest

| Name | Schema |
|---|---|
| **description** <br> *optional* | string |
| **id** <br> *optional* | string |
| **name** <br> *optional* | string |
| **projectId** <br> *optional* | string |