API Documentation – Mini Project Manager

# 1. Authentication

All protected routes require a JWT in the Authorization header:

Authorization: Bearer <token>

## Auth Routes

### POST /api/auth/signup

Create a new user.

Request Body:

{  
 "fullName": "John Doe",  
 "email": "john@example.com",  
 "password": "mypassword123"  
}

Response (201):

{  
 "message": "Signup successful",  
 "user": {  
 "fullName": "John Doe",  
 "email": "john@example.com"  
 }  
}

### POST /api/auth/login

Login and get a JWT.

Request Body:

{  
 "email": "john@example.com",  
 "password": "mypassword123"  
}

Response (200):

{  
 "message": "Login successful",  
 "token": "<jwt\_token>",  
 "user": {  
 "fullName": "John Doe",  
 "email": "john@example.com"  
 }  
}

# 2. Project Routes

### POST /api/projects

Create a new project. Requires Auth.

### GET /api/projects

Fetch all projects for the logged-in user.

### PUT /api/projects

Update a project.

### DELETE /api/projects?id=<projectId>

Delete a project.

# 3. Task Routes

### POST /api/tasks

Create a task under a project.

### GET /api/tasks

Fetch all tasks for a project with optional filters & sorting.

### PUT /api/tasks

Update a task.

### DELETE /api/tasks

Delete a task.

# Summary of Routes

|  |  |  |  |
| --- | --- | --- | --- |
| Method | Endpoint | Description | Auth Required |
| POST | /api/auth/signup | Create a new user | No |
| POST | /api/auth/login | Login, get JWT | No |
| POST | /api/projects | Create project | Yes |
| GET | /api/projects | Get user’s projects | Yes |
| PUT | /api/projects | Update project | Yes |
| DELETE | /api/projects | Delete project | Yes |
| POST | /api/tasks | Create task | Yes |
| GET | /api/tasks | Get tasks (filter/sort supported) | Yes |
| PUT | /api/tasks | Update task | Yes |
| DELETE | /api/tasks | Delete task | Yes |