API Documentation - Project Management System (CodeIgniter 3 + JWT)

# 🔐 Authentication

## 1. Register

Endpoint: POST /auth/register

Request Body:

{  
 "email": "user@example.com",  
 "password": "123456"  
}

Response:

{  
 "status": "success",  
 "message": "User registered successfully"  
}

## 2. Login

Endpoint: POST /auth/login

Request Body:

{  
 "email": "user@example.com",  
 "password": "123456"  
}

Response:

{  
 "status": "success",  
 "token": "JWT\_TOKEN\_HERE"  
}

# 📁 Project Management

## 3. Create Project

Endpoint: POST /projects/create

Headers: Authorization: Bearer <JWT\_TOKEN>

Request Body:

{  
 "name": "New Project",  
 "description": "Project Description"  
}

## 4. Get User's Projects

Endpoint: GET /projects

Headers: Authorization: Bearer <JWT\_TOKEN>

## 5. Update Project

Endpoint: PUT /projects/update/{project\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

Request Body:

{  
 "name": "Updated Name",  
 "description": "Updated Description"  
}

## 6. Delete Project

Endpoint: DELETE /projects/delete/{project\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

# ✅ Task Management

## 7. Create Task

Endpoint: POST /tasks/create/{project\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

Request Body:

{  
 "title": "Task Title",  
 "description": "Task Description",  
 "status": "Pending",  
 "remarks": "Initial remarks"  
}

## 8. Update Task

Endpoint: PUT /tasks/update/{task\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

Request Body:

{  
 "title": "Updated Task",  
 "description": "Updated description",  
 "status": "In Progress",  
 "remarks": "Updated remarks"  
}

## 9. Update Task Status

Endpoint: PUT /tasks/updateStatus/{task\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

Request Body:

{  
 "status": "Completed",  
 "remarks": "Task is done"  
}

# 📊 Task Report

## 10. Get Project Report

Endpoint: GET /tasks/report/{project\_id}

Headers: Authorization: Bearer <JWT\_TOKEN>

Response:

{  
 "status": "success",  
 "project": {  
 "id": 1,  
 "name": "Project Name",  
 "description": "Project description"  
 },  
 "tasks": [  
 {  
 "id": 3,  
 "title": "Task title",  
 "status": "Completed",  
 "remarks": "Some remark",  
 "created\_at": "2025-04-10 12:00:00"  
 }  
 ]  
}

# ✅ Final Deliverables Checklist

* ✓ Code pushed to GitHub
* ✓ JWT authentication implemented
* ✓ CRUD APIs for Projects and Tasks
* ✓ Task status & remarks update
* ✓ Project-wise task reports
* ✓ Postman collection exported
* ✓ Database schema included in repo
* ✓ This documentation added in README.md