

Task Management System – API Endpoints

Authentication

- All APIs are protected with Laravel Sanctum.
- You must first login to get the Bearer token and then pass it in the Authorization header for all subsequent requests.
- Example header:
Authorization: Bearer <your_token>

1. POST /api/register

```
{  
  "name": "John Doe",  
  "email": "john@gmail.com",  
  "password": "12345678",  
  "password_confirmation": "12345678"  
}
```

2. POST /api/login

```
{  
  "email": "mfahumy235@gmail.com",  
  "password": "12345678"  
}
```

Response:

```
{  
  "token": "YOUR_SANCTUM_TOKEN"  
}
```

3. POST /api/logout

Dashboard

- #### 4. GET /api/dashboard-data → Fetch task statistics

Tasks

5. **GET /api/tasks** → List tasks (with filters + pagination)

Examples:

/api/tasks?search=project

/api/tasks?status=pending&priority=high&page=1

6. **POST /api/tasks**

```
{  
  "title": "Test Task",  
  "description": "Testing Sanctum API",  
  "due_date": "2025-09-20",  
  "status": "in_progress",  
  "priority": "high"  
}
```

7. **GET /api/tasks/{id}** → View a single task

8. **PUT /api/tasks/{id}**

```
{  
  "title": "Updated API Task",  
  "description": "Edited description",  
  "status": "in_progress"  
}
```

9. **DELETE /api/tasks/{id}**

10. **POST /api/tasks/{id}/complete** → Mark task as completed

11.

Comments

12. **POST /api/tasks/{id}/comments**

```
{  
  "body": "This is my first API comment!"  
}
```

13. GET /api/tasks/{id}/comments

Postpone / History

14. POST /api/tasks/{id}/postpone

```
{  
  "new_due_date": "2025-09-29",  
  "reason": "check for update"  
}
```

15. GET /api/tasks/{id}/postpone-history

Task Assignment (using emails) (id meantask id)

16. POST /api/tasks/{id}/assign

```
{  
  "emails": "john@gmail.com,admin@gmail.com"  
}
```

17. POST /api/tasks/{id}/remove-members

```
{  
  "emails": "john@gmail.com,admin@gmail.com"  
}
```

Filtering & Pagination

18. /api/tasks?search = project → Search by keyword

19. /api/tasks?status = pending → Filter by status

20. /api/tasks?priority = high → Filter by priority

21. /api/tasks?status=in_progress&priority=medium&page = 2 → Combined filters
+ pagination