**📌 Todo App API Documentation**

Base URL:

http://localhost:3000/api

**🔐 Authentication**

**Register User**

POST /user/register  
**Request Body:**

{

"name": "John Doe",

"email": "john@test.com",

"password": "123456"

}

**Response:**

{

"message": "User registered successfully"

}

**Login User**

POST /user/login  
**Request Body:**

{

"email": "john@test.com",

"password": "123456"

}

**Response:**

{

"token": "JWT\_TOKEN\_HERE"

}

**Logout User**

POST /user/logout

**Response:**

{

"message": "User logout successfully"

}

**✅ Todos (Protected Routes)**

⚠️ All todo routes require authentication.  
Send JWT token in header:

Authorization: Bearer <token>

**Create Todo**

POST /todo  
**Request Body:**

{

"task": "Learn Node.js"

}

**Response:**

{

"message": "Sucessfully Added task"

}

**Get All Todos (of logged-in user)**

GET /todo  
**Response:**

[

"data": [

{

"\_id": "68a7007bea3bb2b5f61a5269",

"task": "new task by admin",

"userId": "68a5a269863d40e16d9ae630",

"createdAt": "2025-08-21T11:18:19.313Z",

"updatedAt": "2025-08-21T11:18:19.313Z",

"\_\_v": 0

},

{

"\_id": "68a70674ad7f646665f59f03",

"task": "new task by admin",

"userId": "68a5a269863d40e16d9ae630",

"createdAt": "2025-08-21T11:43:48.859Z",

"updatedAt": "2025-08-21T11:43:48.859Z",

"\_\_v": 0

}

]]

**Update Todo**

PUT /todo/:id  
**Request Body:**

{

"task": "Learn TypeScript"

}

**Response:**

{

"message": "Updated record at id = 68a6fd1bea3bb2b5f61a5251"

}

**Delete Todo**

DELETE /todo/:id  
**Response:**

{

"message": "Deleted record at id = 68a6fd1bea3bb2b5f61a5251"

}

**⚠️ Error Responses**

The backend return errors in this format:

{ "error": "Invalid or Expire Token"}

{ "error": "Invalid ID"}

{ "error": "Email already in use" }  
{ "error": "Invalid credentials" }

**🛠 Setup for Frontend Developer**

* Base API URL → http://localhost:3000/api
* Add Content-Type: application/json in headers.
* Use Authorization: Bearer <token> for protected routes.
* userId is auto-handled by backend → frontend should **not send it**.