**Task Management APIs**

**Tech Stack**

* Laravel 12
* PHP 8.2
* MySQL

**APIs**

**Authentication**

* **Register**:

**Method:** POST

**End Point:** /api/register

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Successfully registered",

"user": {

"id": 1,

"name": "Muhammad Burhan Arshad",

"email": "burhantheschoolboy@gmail.com"

}

}

* **Login**:

**Method:** POST

**End Point:** /api/login

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Login successful",

"token": "5|HLl0ns3esvMmSoKaJ4qt1A7cRBkLEQ9Mh09heCCP1280fd6d",

"user": {

"id": 1,

"name": "Muhammad Burhan Arshad",

"email": "burhantheschoolboy@gmail.com"

}

}

* **Logout**:

**Method:** POST

**End Point:** /api/logout (Requires Bearer Token)

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Successfully logged out"

}

**Tasks**

* **List**:

**Method:** GET

**End Point:** /api/task

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "1 tasks retrieved successfully!",

"totalTasks": 1,

"tasks": [

{

"id": 1,

"name": "DummyTask",

"description": "This is Dummy Task",

"dueDate": "2025-03-17 00:00:00",

"priority": "High",

"status": "Todo",

"created\_at": "2025-06-17 07:32:27",

"updatedAt": "2025-06-17 07:32:27"

}

]

}

* **Create**:

**Method:** POST

**End Point:** /api/task

**Fields:**

* + **name**: string (required)
  + **description**: string (required)
  + **dueDate**: date (required)
  + **priority**: one of: low, medium, high (required)
  + **status**: one of: todo, in\_progress, completed (required)

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Task created successfully",

"task": {

"id": 1,

"name": "DummyTask",

"description": "This is Dummy Task",

"dueDate": "2025-03-17 00:00:00",

"priority": "High",

"status": "Todo",

"created\_at": "2025-06-17 07:32:27",

"updatedAt": "2025-06-17 07:32:27"

}

}

* **Update**:

**Method:** PUT

**End Point:** /api/task/:id

**Fields:**

* + **name**: string (nullable)
  + **description**: string (nullable)
  + **dueDate**: date (nullable)
  + **priority**: one of: low, medium, high (nullable)
  + **status**: one of: todo, in\_progress, completed (nullable)

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Task updated successfully",

"task": {

"id": 1,

"name": "Testing Task",

"description": "This is Dummy Task",

"dueDate": "2025-03-17 00:00:00",

"priority": "High",

"status": "Todo",

"created\_at": "2025-06-17 07:32:27",

"updatedAt": "2025-06-17 07:35:36"

}

}

* **Delete**:

**Method:** DELETE

**End Point:** /api/task/:id

**Example Format:**

{

"success": true,

"isAllowed": true,

"message": "Task updated successfully",

"task": {

"id": 1,

"name": "Testing Task",

"description": "This is Dummy Task",

"dueDate": "2025-03-17 00:00:00",

"priority": "High",

"status": "Todo",

"created\_at": "2025-06-17 07:32:27",

"updatedAt": "2025-06-17 07:35:36"

}

}

**API Collection Link:** <https://api.postman.com/collections/22871813-ff2c8f4e-e931-4601-8d7c-9c77d0225067?access_key=PMAT-01JXYBHYMAD992JGCZHPTF1996>