
Task Manager API – CRUD Operations (Postman Guide)

1. Authentication

Register User

- **Method:** POST
- **URL:** `http://localhost:5000/api/auth/register`
- **Headers:**
 - Content-Type: application/json
- **Body (raw JSON):**

```
{  
  "name": "John Doe",  
  "email": "john@example.com",  
  "password": "password123"  
}
```

- **Response (201 Created):**

```
{  
  "_id": "63f1234567890abcdef",  
  "name": "John Doe",  
  "email": "john@example.com",  
  "token": "JWT_TOKEN_HERE"  
}
```

Login User

- **Method:** POST
- **URL:** `http://localhost:5000/api/auth/login`
- **Headers:**
 - Content-Type: application/json
- **Body (raw JSON):**

```
{  
  "email": "john@example.com",
```

```
"password": "password123"
```

```
}
```

- **Response (200 OK):**

```
{
```


```
"_id": "63f1234567890abcdef",
```

```
"name": "John Doe",
```

```
"email": "john@example.com",
```

```
"token": "JWT_TOKEN_HERE"
```

```
}
```

 Save token for all protected requests.

2. User Profile

Get Profile

- **Method:** GET
- **URL:** `http://localhost:5000/api/users/profile`
- **Headers:**
 - Authorization: Bearer {{token}}
- **Response (200 OK):**

```
{
```

```
"_id": "63f1234567890abcdef",
```

```
"name": "John Doe",
```

```
"email": "john@example.com"
```

```
}
```

Update Profile

- **Method:** PUT
- **URL:** `http://localhost:5000/api/users/profile`
- **Headers:**
 - Authorization: Bearer {{token}}
 - Content-Type: application/json
- **Body (raw JSON):**

```
{
  "name": "John Updated",
  "email": "johnupdated@example.com"
}
```

- **Response (200 OK):**

```
{
  "_id": "63f1234567890abcdef",
  "name": "John Updated",
  "email": "johnupdated@example.com"
}
```

3. Tasks

Get All Tasks

- **Method:** GET
- **URL:** `http://localhost:5000/api/tasks`
- **Headers:**
 - Authorization: Bearer `{{token}}`
- **Response (200 OK):**

```
[
  {
    "_id": "63f234567890abcdef1",
    "title": "Complete dashboard",
    "completed": false
  },
  {
    "_id": "63f234567890abcdef2",
    "title": "Write Postman guide",
    "completed": true
  }
]
```

Create Task

- **Method:** POST
- **URL:** `http://localhost:5000/api/tasks`
- **Headers:**
 - Authorization: Bearer `{{token}}`
 - Content-Type: `application/json`
- **Body (raw JSON):**

```
{  
  "title": "New Task Example"  
}
```

- **Response (201 Created):**

```
{  
  "_id": "63f34567890abcdef3",  
  "title": "New Task Example",  
  "completed": false  
}
```

Update Task

- **Method:** PUT
- **URL:** `http://localhost:5000/api/tasks/{{taskId}}`
- **Headers:**
 - Authorization: Bearer `{{token}}`
 - Content-Type: `application/json`
- **Body (raw JSON):**

```
{  
  "completed": true  
}
```

- **Response (200 OK):**

```
{  
  "_id": "63f34567890abcdef3",  
  "title": "New Task Example",  
}
```

```
"completed": true
}
```

Delete Task

- **Method:** DELETE
- **URL:** `http://localhost:5000/api/tasks/{{taskId}}`
- **Headers:**
 - Authorization: Bearer `{{token}}`
- **Response (200 OK):**

```
{
  "message": "Task deleted successfully"
}
```
