

API Documentation

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Overview:

This Task Manager API which allows user to create, read , update and delete particular task. In this project I have included the validation , error handling and API documentation. This is created in express js. And the tool which I am using is Postman for API testing.

Base URL:

<http://localhost:9001>

End Points:

A. Get/tasks:

1. URL: '/tasks/'
2. Method Used: Get
3. Explanation: Used to retrieve list of all
4. Response: (200 OK)

```
{  
  "id": 1,  
  "title": "To develop a Backend Project",  
  "description": "This task is for developer"  
}
```

B. Get/tasks/:id :

1. URL: '/tasks/:id'
2. Method Used: Get
3. Explanation: Used to retrieve specific task by it's id.
4. Request:
`'http://localhost/tasks/2'`
5. Response: (200 OK)

```
{  
  "id":2,  
  "title": "Design a webpage",  
  "description": "This task is only"  
}
```

6. Error: (If record not found : 404)

```
{  
  "error": "Task not found"  
}
```

C. Post:

1. URL: '/tasks'
2. Method Used: post

3. Explanation: Used to create new Task.

4. Request:

```
{  
  "title": "Enter new task",  
  "description": "Enter a new task description"  
}
```

5. Response: (200 OK)

```
{  
  "id":3,  
  "title": "Enter new task",  
  "description": "Enter a new task description"  
}
```

6. Error: (If record not found : 404)

```
{  
  "error": "Title and description are required"  
}
```

D. Put:

1. URL: '/tasks/:id'

2. Method Used: put

3. Explanation: Used to update an existing record by id.

4. Request:

```
{  
    "id":2,  
    "title": "Update this task",  
    "description": "This is updated description"  
}
```

5. Response: (200 OK)

```
{  
    "id":2,  
    "title": "researcher",  
    "description": "researcher description"  
}
```

6. Error: (If record not found: 404)

```
{  
    "error" : "Title and description are required"  
}
```

E. Delete:

1. URL: '/tasks/:id'

2. Method Used: delete

3. Explanation: Used to update an existing record by id.

4. Request: (204 No Content)

'http://localhost:3000/tasks/1'

5. Error: (If record not found: 404)

```
{
```

```
“error” : “Task not found”  
}
```

Testing Tool:

- Postman: Postman is an utility tool which is used for API testing and helps in documentation. In which we have to pass localhost link with proper port number(‘http://localhost:3000’) . According to end points select the end points which you want to perform and test the API.