API Documentation of Backend Project

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API Documentation of Task Handler:

Overview:

So basically this Task Handler is used to create, read , update and delete task including the title of task and its particular description using Express js as backend technology and Postman tool to test the API's.

Base URL:

http://localhost:3000

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": "Analyst",

        "description": "This is for Data Analyst"

}

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.