**app.js**

```
const express = require('express');

const mongoose = require('mongoose');

 const app = express();

const port = 3001;

 // Connect to MongoDB

mongoose.connect('mongodb://localhost:27017/mydatabase', { useNewUrlParser: true,
useUnifiedTopology: true });

const db = mongoose.connection;

 db.on('error', console.error.bind(console, 'MongoDB connection error:'));

db.once('open', () => {

  console.log('Connected to MongoDB');

});

 // Define a simple model

const Item = mongoose.model('Item', {

  id:Number,

  name: String,

  description: String,

});

 // Middleware for parsing JSON

app.use(express.json());

 // Routes

app.get('/api/items', async (req, res) => {

  try {

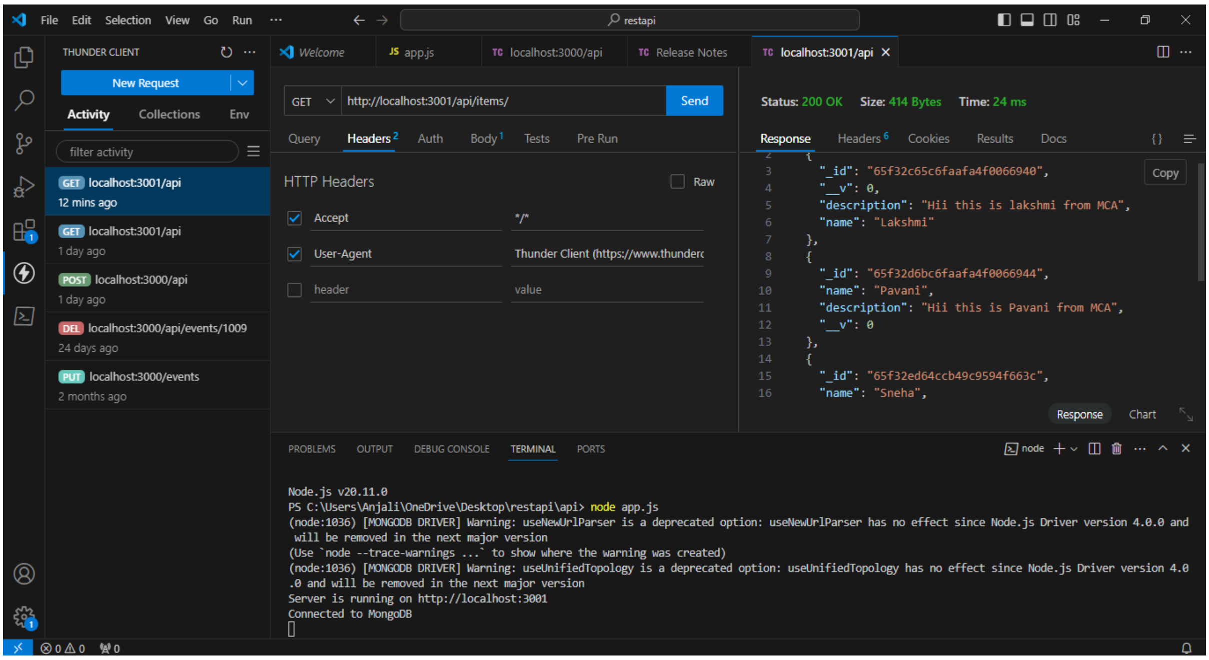
    const items = await Item.find();

    res.json(items);

  } catch (err) {

    res.status(500).json({ error: err.message });
  }
});
 app.post('/api/items', async (req, res) => {
  const { name, description } = req.body
try {
    const newItem = new Item({ name, description });
    await newItem.save();
    res.status(201).json(newItem);
  } catch (err) {
    res.status(500).json({ error: err.message });
  }
});
 app.put('/api/items/:id', async (req, res) => {
  const { name, description } = req.body;
  const { id } = req.params;
      try {
    const updatedItem = await Item.findByIdAndUpdate(id, { name, description }, { new:
true });
    res.json(updatedItem);
  } catch (err) {
    res.status(500).json({ error: err.message });
  }
});
 app.delete('/api/items/:id', async (req, res) => {
  const { id } = req.params;
   try {
    await Item.findByIdAndDelete(id);
    res.json({ message: 'Item deleted successfully' });
 } catch (err) {
   res.status(500).json({ error: err.message });}
});
 / Start the server
app.listen(port, () => {
  console.log(Server is running on http://localhost:${port}});});
```

## GET METHOD



GET http://localhost:3001/api/items/ Send

HTTP Headers □ Raw

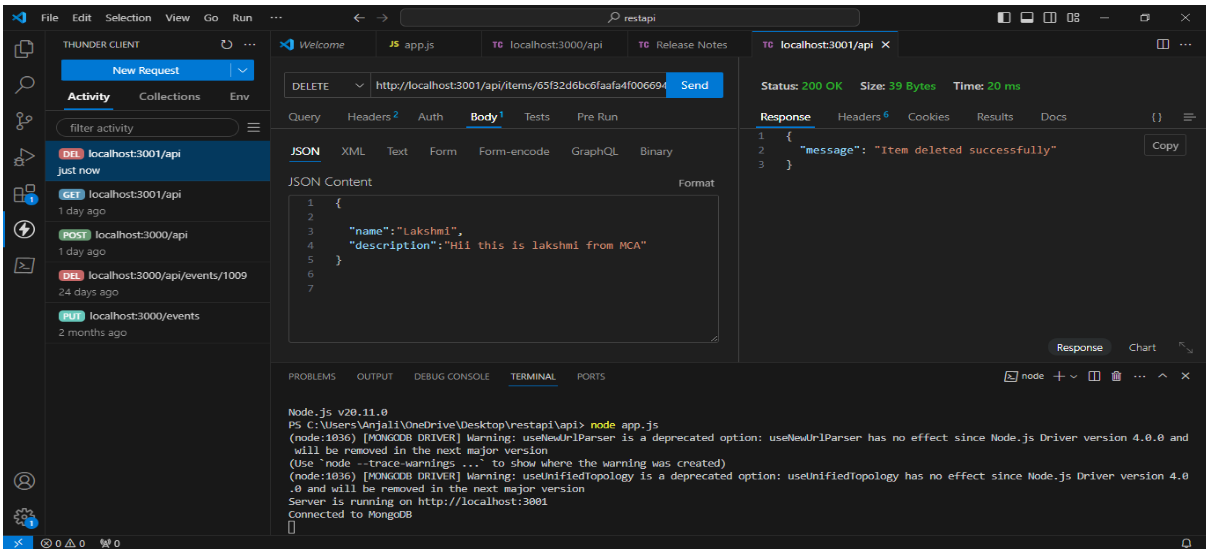
| | | |
|---|---|---|
| ☑ | Accept | */* |
| ☑ | User-Agent | Thunder Client (https://www.thunderc |
| □ | header | value |

Status: 200 OK Size: 414 Bytes Time: 24 ms

```
  {
    "_id": "65f32c65c6faafa4f0066940",
    "__v": 0,
    "description": "Hii this is lakshmi from MCA",
    "name": "Lakshmi"
  },
  {
    "_id": "65f32d6bc6faafa4f0066944",
    "name": "Pavani",
    "description": "Hii this is Pavani from MCA",
    "__v": 0
  },
  {
    "_id": "65f32ed64ccb49c9594f663c",
    "name": "Sneha",
```

```
Node.js v20.11.0
PS C:\Users\Anjali\OneDrive\Desktop\restapi\api> node app.js
(node:1036) [MONGODB DRIVER] Warning: useNewUrlParser is a deprecated option: useNewUrlParser has no effect since Node.js Driver version 4.0.0 and
 will be removed in the next major version
(Use `node --trace-warnings ...` to show where the warning was created)
(node:1036) [MONGODB DRIVER] Warning: useUnifiedTopology is a deprecated option: useUnifiedTopology has no effect since Node.js Driver version 4.0
.0 and will be removed in the next major version
Server is running on http://localhost:3001
Connected to MongoDB
```

## Delete Method:



DELETE http://localhost:3001/api/items/65f32d6bc6faafa4f006694 Send

JSON Content

```
{

  "name":"Lakshmi",
  "description":"Hii this is lakshmi from MCA"
}
```

Status: 200 OK Size: 39 Bytes Time: 20 ms

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

```
Node.js v20.11.0
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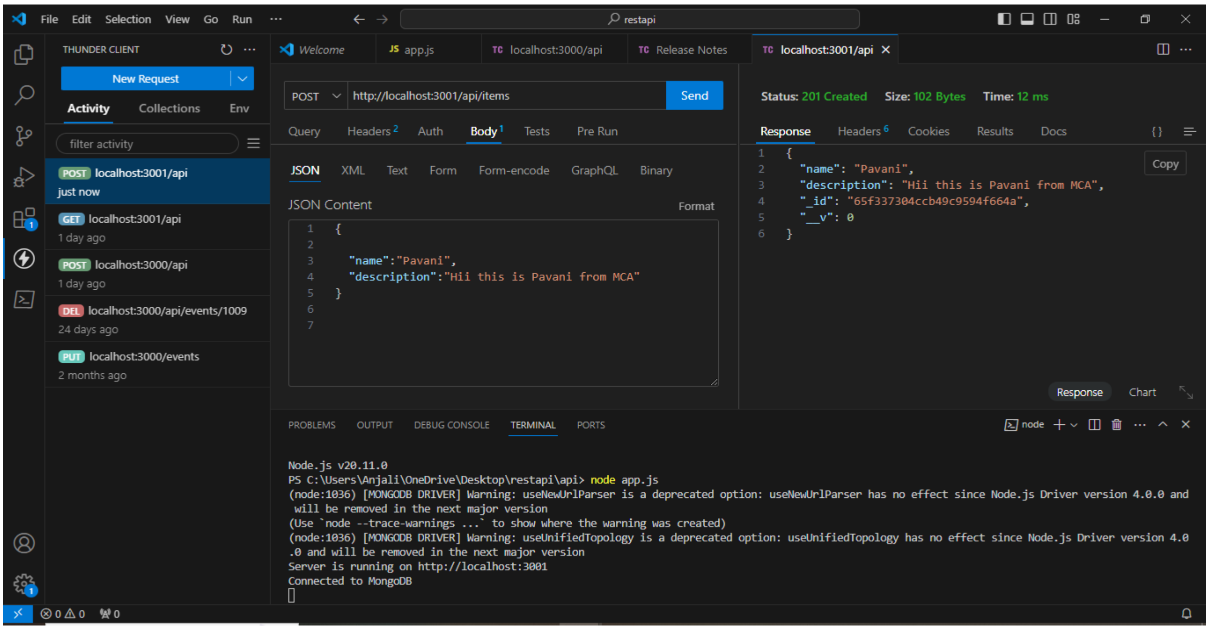
Post Method:


File Edit Selection View Go Run ···
restapi
THUNDER CLIENT
New Request
Activity Collections Env
filter activity
POST localhost:3001/api just now
GET localhost:3001/api 1 day ago
POST localhost:3000/api 1 day ago
DEL localhost:3000/api/events/1009 24 days ago
PUT localhost:3000/events 2 months ago
Welcome
app.js
localhost:3000/api
Release Notes
localhost:3001/api
Query Headers 2 Auth Body 1 Tests Pre Run
JSON XML Text Form Form-encode GraphQL Binary
JSON Content
Format
Response Headers 6 Cookies Results Docs
Copy
Response Chart
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node

POST http://localhost:3001/api/items Send

```
{

  "name":"Pavani",
  "description":"Hii this is Pavani from MCA"
}
```

Status: 201 Created Size: 102 Bytes Time: 12 ms

```
{
  "name": "Pavani",
  "description": "Hii this is Pavani from MCA",
  "_id": "65f337304ccb49c9594f664a",
  "__v": 0
}
```

```
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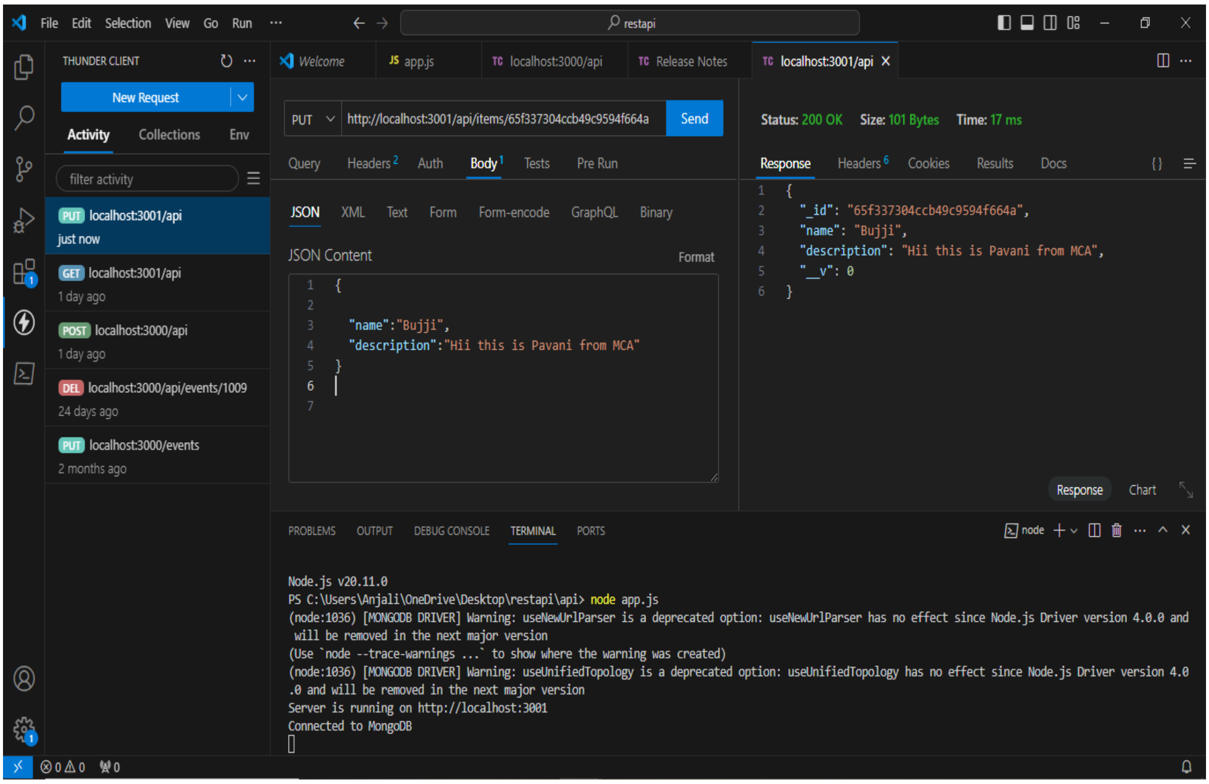
## Put method :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filter activity
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Response Chart
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node

PUT http://localhost:3001/api/items/65f337304ccb49c9594f664a Send

```
{

  "name":"Bujji",
  "description":"Hii this is Pavani from MCA"
}
```

Status: 200 OK Size: 101 Bytes Time: 17 ms

```
{
  "_id": "65f337304ccb49c9594f664a",
  "name": "Bujji",
  "description": "Hii this is Pavani from MCA",
  "__v": 0
}
```

```
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