

Experiment - 4

REST API Design with MongoDB + Mongoose Integration

Aim

To design and implement a REST API integrated with MongoDB using Mongoose, demonstrated through a **Budget Tracker Project** tested with **Postman API**.

Theory

♦ 1. Backend Development with Node.js

- **What is Node.js?**

Node.js is a **runtime environment** that allows JavaScript to run outside the browser (on a server).

- Built on Chrome's **V8 Engine**.
- Handles asynchronous, event-driven requests efficiently.

- **Why Node.js?**

- High performance for I/O-heavy apps.
- Uses JavaScript (already known by most developers).
- Has a huge ecosystem of libraries (npm).

👉 **Example:**

Without Node.js, JavaScript only runs in the browser. With Node.js, we can run:

```
console.log("Hello Backend with Node.js");
```

directly in terminal using `node file.js`.

♦ 2. Express.js

- **What is Express.js?**

Express is a **framework for Node.js** that simplifies server development.

- **Key Features:**

- Middleware (functions between request & response).
- Routing (/expenses, /users).
- Error handling.

👉 **Example without Express** (pure Node.js server):

```
const http = require("http");
http.createServer((req, res) => {
  res.write("Hello World");
  res.end();
}).listen(3000);
```

👉 **Example with Express:**

```
import express from "express";
const app = express();

app.get("/", (req, res) => res.send("Hello Express!"));
app.listen(3000, () => console.log("Server running on port 3000"));
```

Clearly, **Express is simpler and more readable.**

♦ 3. REST API Design

- **What is an API?**

API = Application Programming Interface. It defines how two applications talk.

- **What is REST?**

REST (Representational State Transfer) is an architectural style that uses **HTTP methods** for CRUD operations.

HTTP Method	Operation	Example in Project
GET	Read	/expenses → Get all expenses
POST	Create	/expenses → Add new expense
PUT	Update	/expenses/:id → Update expense
DELETE	Delete	/expenses/:id → Remove expense

👉 **Example:**

- Client: Sends POST /expenses with { "title": "Lunch", "amount": 150 }.
- Server: Saves expense in DB and returns the created object.

♦ 4. MongoDB

- **What is MongoDB?**

A **NoSQL database** that stores data in **BSON (binary JSON)** format.

- **Why MongoDB?**

- Flexible schema (unlike SQL).
- Scales well with large data.
- Works naturally with JSON objects in Node.js.

👉 **Example Document in MongoDB:**

```
{  
  "_id": "64a12b45...",
```

```
"title": "Lunch",  
"amount": 150,  
"category": "Food",  
"date": "2025-08-19T12:00:00Z"  
}
```

◆ 5. MongoDB Atlas

- Cloud-hosted version of MongoDB.
- Provides a free cluster, accessible anywhere.
- Includes tools for monitoring, scaling, and backups.

👉 Steps to Use Atlas:

1. Create Atlas account.
 2. Create Cluster.
 3. Add Database → Collection (expenses).
 4. Copy Connection String (URI).
 5. Store in .env file as MONGO_URI.
-

◆ 6. Mongoose

● Why Mongoose?

- Node.js talks to MongoDB through queries. Mongoose makes it easier.
- Adds schemas (rules) to MongoDB.

● Features:

- Schema definition.

- Built-in validators.
- Query helpers.

👉 Example Schema:

```
import mongoose from "mongoose";
const expenseSchema = new mongoose.Schema({
  title: { type: String, required: true },
  amount: { type: Number, required: true }
});
```

👉 Example Query with Mongoose:

```
const expense = new Expense({ title: "Dinner", amount: 200 });
await expense.save();
```

◆ 7. Postman

- Tool for manually testing APIs.
- Lets developers send GET, POST, PUT, DELETE requests easily.

👉 Example:

Send a POST request:

```
{
  "title": "Movie",
  "amount": 300
}
```

Response:

```
{
  "_id": "64a12b45...",
  "title": "Movie",
  "amount": 300,
```

```
"date": "2025-08-19T12:00:00Z"
}
```

Implementation Steps with Commands

Initialize Project

```
npm init -y
```

Install Dependencies

```
npm install express mongoose dotenv cors morgan bcryptjs
npm install --save-dev nodemon jest supertest @babel/core
@babel/preset-env babel-jest cross-env
```

Add Scripts in package.json

```
"scripts": {
  "start": "node server.js",
  "dev": "nodemon server.js",
  "test": "jest --watchAll"
}
```

Create .env file

```
PORT=5000
MONGO_URI=mongodb+srv://username:password@cluster0.mongodb.net/expense
s
```

Run Project

```
npm start # Start normally
```

```
npm run dev # Start with nodemon
```

```
npm test    # Run tests
```

.env and Environment Variables

- A .env file is used to store **sensitive information** such as:
 - Database connection string (MONGO_URI)
 - Port number (PORT)
 - Secret keys or API keys (API_KEY)

Why use .env?

- Keeps sensitive info out of source code.
- Protects secrets when pushing to GitHub.
- Makes app configurable (different keys for dev, test, production).

Example .env file in our project:

```
PORT=5000
```

```
MONGO_URI=mongodb+srv://username:password@cluster0.mongodb.net/expenses
```

```
API_KEY=12345secretkey
```

2. API Key Authentication

- To **restrict unauthorized access**, we can require clients to send an **API Key** in the request.
- In our project:

- API key is stored in `.env` as `API_KEY`.
- Postman requests must include this in the **Headers**.

👉 Postman Header Example:

- **Key** = `x-api-key`
- **Value** = `12345secretkey`

👉 How it works:

1. Client sends request → with `x-api-key` header.
2. Server middleware checks if the key matches `.env`.
3. If valid → request continues. If not → 401 Unauthorized.

◆ 3. Middleware for API Key

We add a **custom middleware** to check the key.

```
import dotenv from "dotenv";
dotenv.config();

const apiAuth = (req, res, next) => {
  const apiKey = req.header("x-api-key");
  if (apiKey && apiKey === process.env.API_KEY) {
    next(); // Key valid → continue
  } else {
    res.status(401).json({ message: "Unauthorized: Invalid API Key"
  });
  }
};

export default apiAuth;
```


Then in `server.js`:

```
import apiAuth from "../middleware/apiAuth.js";  
app.use(apiAuth); // Protect all routes
```

Postman Example with API Key

POST `/api/expenses`

Headers:

`x-api-key : 12345secretkey`

Request Body:

```
{  
  "title": "Lunch",  
  "amount": 150,  
  "category": "Food"  
}
```

Response:

```
{  
  "_id": "64a12b45...",  
  "title": "Lunch",  
  "amount": 150,  
  "category": "Food",  
  "date": "2025-08-19T12:00:00Z"  
}
```



👉 If wrong key is given:

```
{ "message": "Unauthorized: Invalid API Key" }
```

Code Snippets


1. models/Expense.js (Mongoose Integration)

👉 Shows schema & proves Mongoose is used.

```
backend > models >  Expense.js >  default
1  import mongoose from 'mongoose';
2
3  ∨ const expenseSchema = new mongoose.Schema({
4    title: { type: String, required: true, trim: true },
5    amount: { type: Number, required: true },
6    category: { type: String, required: true, trim: true },
7    date: { type: Date, default: Date.now }
8  });
9
10 export default mongoose.model('Expense', expenseSchema);
```

2. server.js (Entry Point)

👉 Shows Express setup, MongoDB Atlas connection, and middleware integration.

```
backend >  server.js > ...
 1  import express from 'express';
 2  import mongoose from 'mongoose';
 3  import dotenv from 'dotenv';
 4  import { auth, errorHandler } from './middleware/errorMiddleware.js';
 5  import expenseRoutes from './routes/expenseRoutes.js';
 6
 7  // Configure dotenv
 8  dotenv.config({ path: 'D:/SEM5/sem5_FSD/FSD_4THEXP_BudgetAPI/.env', debug: true });
 9  console.log('🔍 .env loaded:', process.env);
10  console.log('🔍 MONGO_URI:', process.env.MONGO_URI);
11
12  const app = express();
13  const PORT = process.env.PORT || 5000;
14
15  app.use(express.json());
16  app.use('/expenses', expenseRoutes);
17  app.use(errorHandler);
18
19  // Connect to MongoDB
20  mongoose.connect(process.env.MONGO_URI)
21    .then(() => console.log('✅ MongoDB Connected'))
22    .catch((err) => console.error('❌ DB Error:', err));
23
24  // Only start server if not testing
25  if (process.env.NODE_ENV !== 'test') {
26    app.listen(PORT, () => {
27      console.log(`🚀 Server running on port ${PORT}`);
28    });
29  }
30
31  // Export app for Supertest
32  export default app;
33
```

3. routes/expenseRoutes.js (Routing)

```
backend > routes > expenseRoutes.js > ...
1  import express from 'express';
2  import { auth } from '../middleware/errorMiddleware.js';
3  import {
4    createExpense,
5    getExpenses,
6    getExpenseById,
7    updateExpense,
8    deleteExpense,
9    getCategories // <- new controller
10 } from '../controllers/expenseController.js';
11
12 const router = express.Router();
13
14 // --- Categories route must come BEFORE /:id ---
15 router.get('/categories', auth, getCategories);
16
17 // CRUD routes
18 router.post('/', auth, createExpense);
19 router.get('/', auth, getExpenses);
20 router.get('/:id', auth, getExpenseById);
21 router.put('/:id', auth, updateExpense);
22 router.delete('/:id', auth, deleteExpense);
23
24 export default router;
25
```

4. Controllers/expenseController.js (REST Logic Example)

1. createExpense

```
if (amount <= 0) throw new Error('Amount must be positive');
const expense = await Expense.create({ title, amount, category });
```

```
export const createExpense = async (req, res) => {
  try {
    const { title, amount, category } = req.body;
    if (amount <= 0) throw new Error('Amount must be positive');
    const expense = await Expense.create({ title, amount, category });
    res.status(201).json(expense);
  } catch (error) {
    res.status(400).json({ message: error.message });
  }
};
```

2. getExpenses

```
export const getExpenses = async (req, res) => {
  try {
    const expenses = await Expense.find();
    res.status(200).json(expenses);
  } catch (error) {
    res.status(500).json({ message: error.message });
  }
};
```

3. getExpenseById

```
const expense = await Expense.findById(req.params.id);
if (!expense) return res.status(404).json({ message: 'Expense not found' });
```

4. updateExpense

```
if (amount <= 0) throw new Error('Amount must be positive');
const expense = await Expense.findByIdAndUpdate(
```

```
export const updateExpense = async (req, res) => {
  try {
    const { title, amount, category } = req.body;
    if (amount <= 0) throw new Error('Amount must be positive');
    const expense = await Expense.findByIdAndUpdate(
      req.params.id,
      { title, amount, category },
      { new: true, runValidators: true }
    );
    if (!expense) return res.status(404).json({ message: 'Expense not found' });
    res.status(200).json(expense);
  } catch (error) {
    res.status(400).json({ message: error.message });
  }
};
```

5. deleteExpense


```
export const deleteExpense = async (req, res) => {
  try {
    const expense = await Expense.findByIdAndDelete(req.params.id);
    if (!expense) return res.status(404).json({ message: 'Expense not found' });
    res.status(204).send();
  } catch (error) {
    res.status(500).json({ message: error.message });
  }
};
```

6. getCategories (Advanced Feature)

```
// --- Updated getCategories ---
export const getCategories = async (req, res) => {
  try {
    const categories = await Expense.aggregate([
      {
        $group: {
          _id: "$category", // Group by category
          totalAmount: { $sum: "$amount" } // Sum of amounts
        }
      }
    ]);
    res.status(200).json(categories);
  } catch (error) {
    res.status(500).json({ message: error.message });
  }
};
```

5. middleware/apiAuth.js (API Key Authentication)

```

backend > middleware >  errorMessage.js > ...
1  import jwt from 'jsonwebtoken';
2
3  const auth = (req, res, next) => {
4    const apiKey = req.header('x-api-key');
5    if (!apiKey || apiKey !== process.env.API_KEY) {
6      return res.status(401).json({ message: 'Unauthorized' });
7    }
8    next();
9  };
10
11 const errorHandler = (err, req, res, next) => {
12   console.error(err.stack);
13   res.status(500).json({ message: 'Internal Server Error' });
14 };
15
16 export { auth, errorHandler };

```

.env Example (Environment Variables)

```

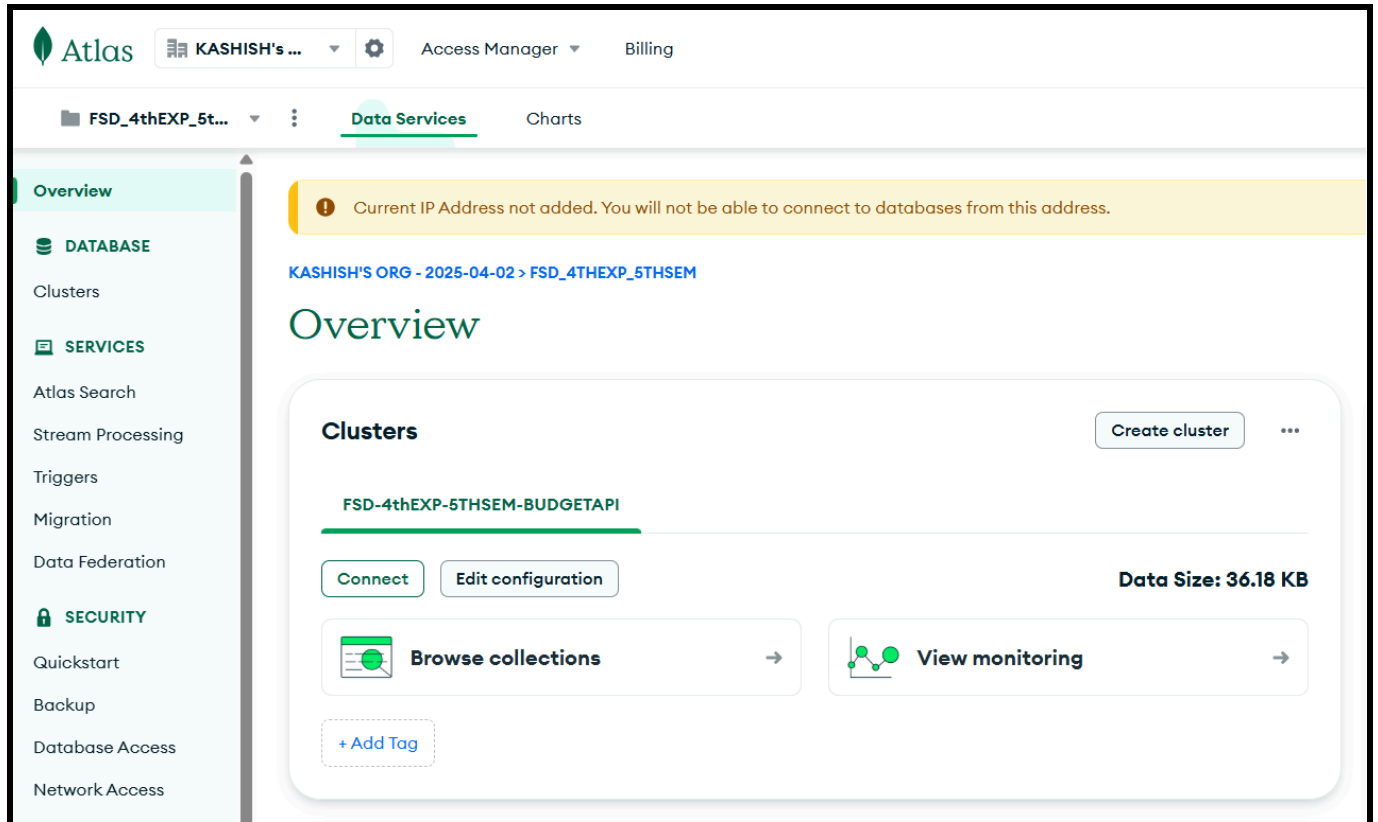
1  MONGO_URI=mongodb+srv://FSD_4thEXP_5thSEM_BudgetAPI:thisismetrying8@fsd-4thexp-5thsem-budge.tkdvufm.mongodb.net/BudgetAPI?retryWrites=true&w=majority&appName=FSO-4thEXP-5THSEM-BUDGETAPI
2  PORT=5000
3  API_KEY=thisismetrying8
4

```

MongoDB Atlas Setup

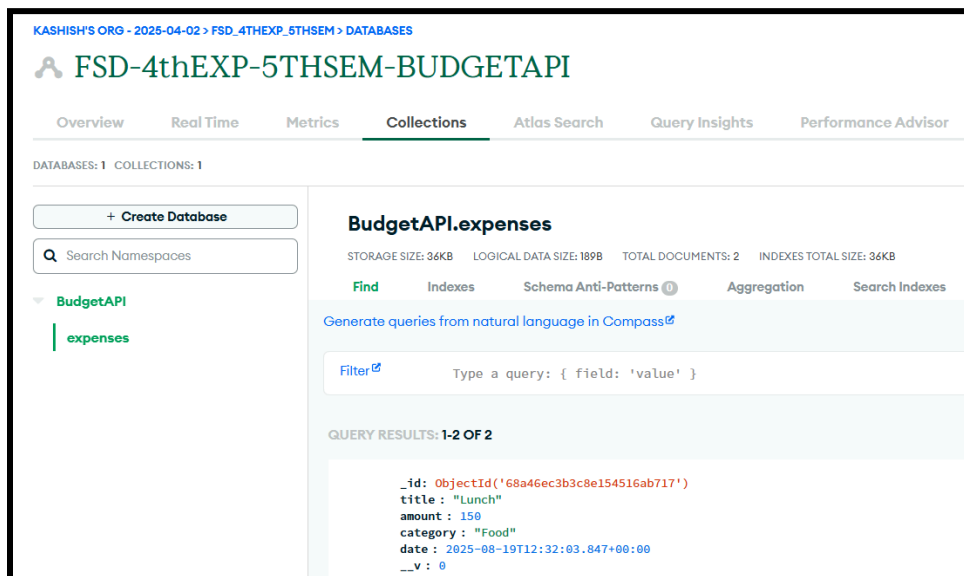
1. Atlas Dashboard (Cluster Overview)

This screenshot shows my MongoDB Atlas cluster. The cluster is the cloud-hosted MongoDB database where all my expense data will be stored.”



2. Database → Collections Page

Here you can see the expenses collection in MongoDB Atlas. This is where my Node.js + Express app stores expense records like title, amount, and category.”



3. Connection String (Connect → Drivers)

This is the MongoDB connection string. We copy it and store it in .env as MONGO_URI. Our backend uses Mongoose to connect to this string.”

Connect to FSD-4thEXP-5THSEM-BUDGETAPI

Set up connection security Choose a connection method **3** Connect

Connecting with MongoDB Driver

1. Select your driver and version

We recommend installing and using the latest driver version.

Driver	Version
Node.js	6.7 or later

2. Install your driver

Run the following on the command line

```
npm install mongodb
```

[View MongoDB Node.js Driver installation instructions.](#)

3. Add your connection string into your application code

Use this connection string in your application

☐ View full code sample

```
mongodb+srv://FSD_4thEXP_5thSEM_BudgetAPI:<db_password>@fsd-4thexp-5thsem-budge.tkdvufm.mongodb.net/?retryWrites=true&w=majority&appName=FSD-4thEXP-5THSEM-BUDGETAPI
```

Replace `<db_password>` with the password for the **FSD_4thEXP_5thSEM_BudgetAPI** database user. Ensure any option params are [URL encoded](#).

4. Database User / Network Access (Optional but Impressive)

- ***To secure the database, MongoDB Atlas requires a database user and IP whitelist. I created a user for authentication and allowed access from my system's IP address.”***

We are deploying your changes (current action: creating a plan)

KASHISH'S ORG - 2025-04-02 > FSD_4THEXP_5THSEM

Network Access

IP Access List Peering Private Endpoint

+ADD IP ADDRESS

Current IP Address not added. You will not be able to connect to databases from this address. **Add Current IP Address** **Do not show me again**

You will only be able to connect to your cluster from the following list of IP Addresses:

IP Address	Comment	Status	Actions
49.43.26.154/32	Created as part of the Auto Setup process	Active	EDIT DELETE
49.43.24.194/32	19-08-25 at 10:44 pm (kashish laptop)	Active	EDIT DELETE
49.43.25.180/32	Kashish Laptop	Active	EDIT DELETE

You will only be able to connect to your cluster from the following list of IP Addresses:

IP Address	Comment	Status	Actions
49.43.26.154/32	Created as part of the Auto Setup process	Active	EDIT DELETE
49.43.24.194/32	19-08-25 at 10:44 pm (kashish laptop)	Active	EDIT DELETE
49.43.25.180/32	Kashish Laptop	Active	EDIT DELETE
0.0.0.0/0 (includes your current IP address)	Allow All for Project	Active	EDIT DELETE

“Initially Atlas denied access because my IP was not whitelisted. After adding 0.0.0.0/0 in Network Access, the backend successfully connected.”

◆ CRUD Operations with Postman (Step by Step)

1. CREATE (POST) — New Expense Add Karna

Method: **POST**

URL:

`http://localhost:5000/expense`

Headers:

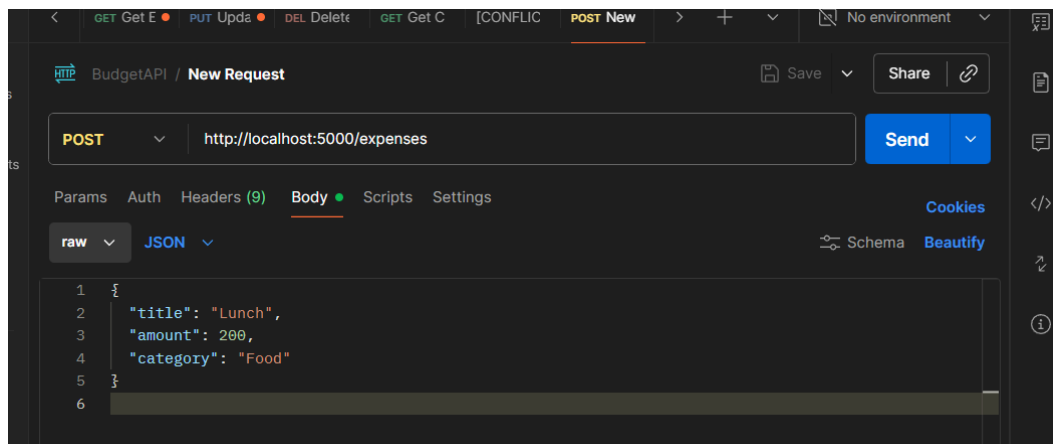
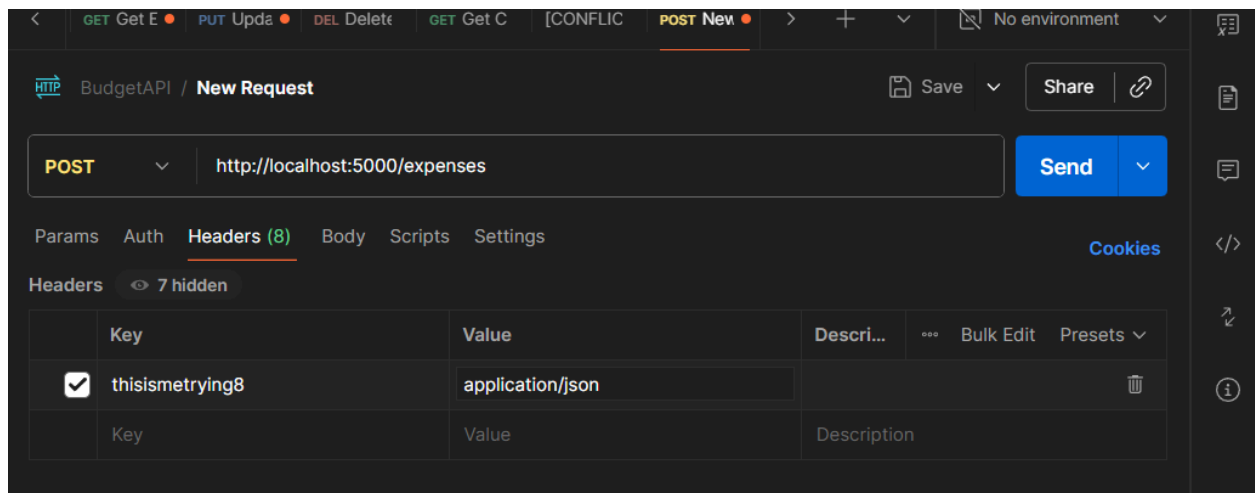
Content-Type: application/json

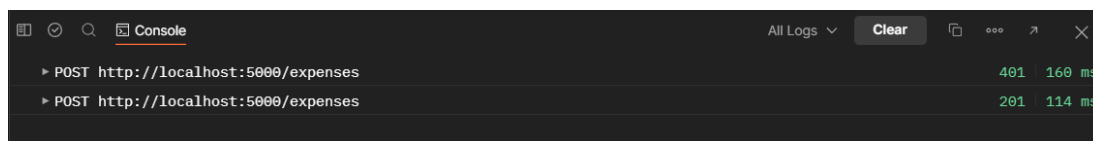
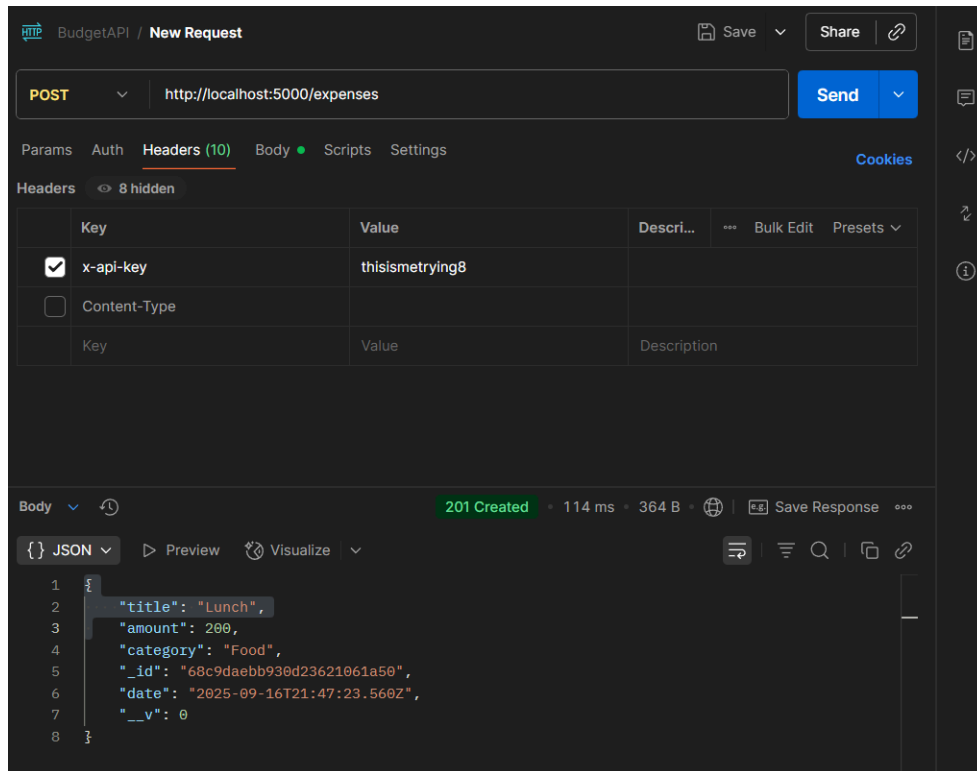
x-api-key: thisismetrying8

Body (raw, JSON):

```
{  
  "title": "Lunch",  
  "amount": 200,  
  "category": "Food"  
}
```

Send → Response: 201 Created + JSON with `_id`.





2. READ (GET) — Sabhi Expenses dekhna

Method: **GET**

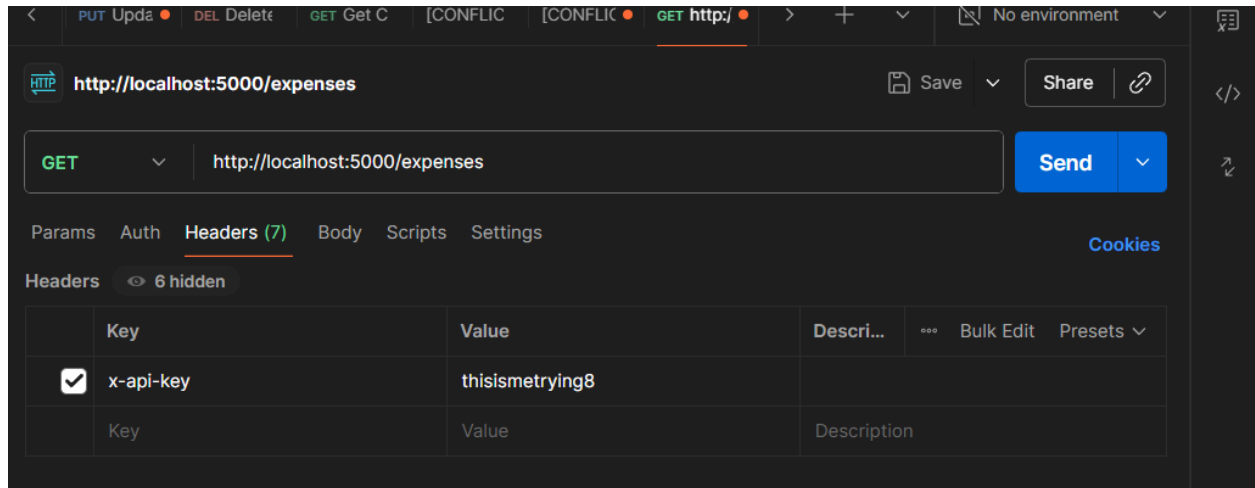
URL:

http://localhost:5000/expenses

Headers:

x-api-key: thisismetrying8

Send → Response: Array of all expenses.



```
1  [  
2    {  
3      "_id": "68a46ec3b3c8e154516ab717",  
4      "title": "Lunch",  
5      "amount": 150,  
6      "category": "Food",  
7      "date": "2025-08-19T12:32:03.847Z",  
8      "__v": 0  
9    },  
10   {  
11     "_id": "68a46ec3b3c8e154516ab719",  
12     "title": "Bus",  
13     "amount": 50,  
14     "category": "Transport",  
15     "date": "2025-08-19T12:32:03.861Z",  
16     "__v": 0  
17   },  
18   {  
19     "_id": "68c98831cd19dcff21c1df62",  
20     "title": "Lunch",
```

3. READ (GET by ID) — Single Expense dekhna

Method: **GET**

URL:

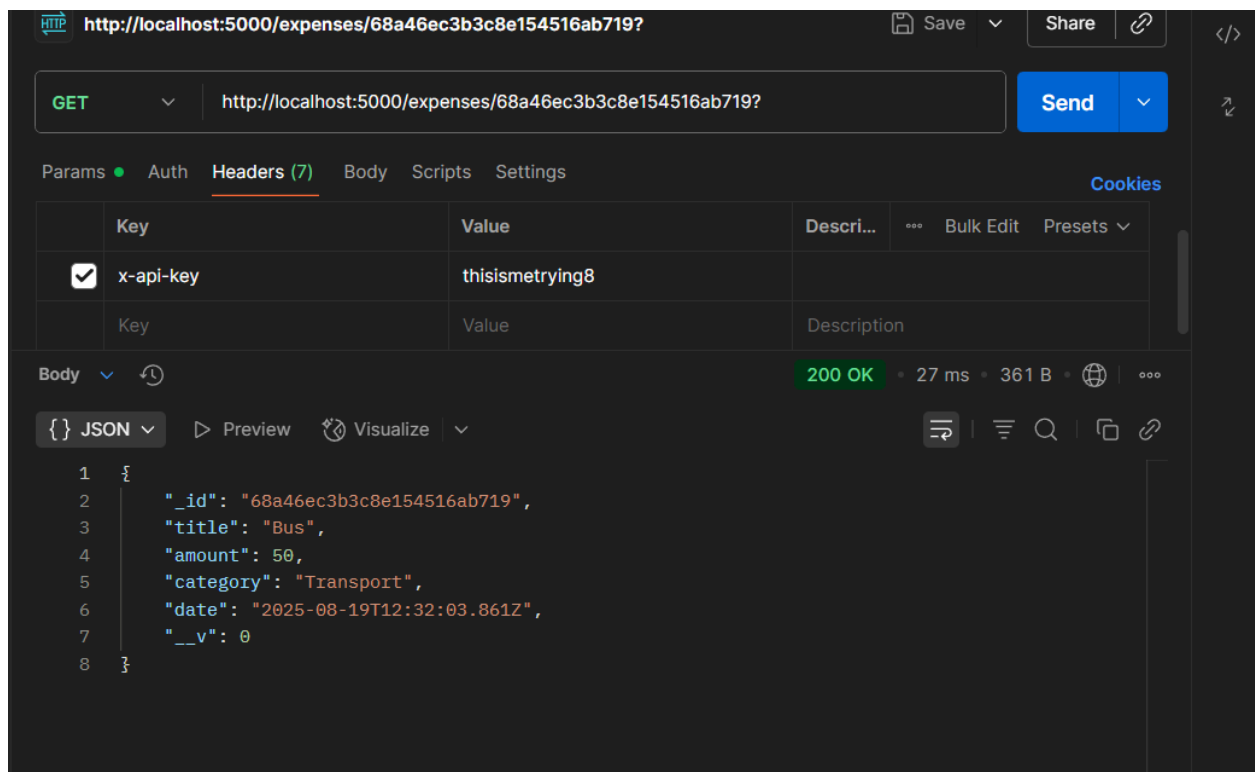
`http://localhost:5000/expenses/<id>`

👉 <id> ko aapko POST response se milta hai (example: 68c9daebb930d23621061a50).

Headers:

`x-api-key: thisismetrying8`

Send → Response: Specific expense object.



4. UPDATE (PUT) — Expense Update karna

Method: **PUT**

URL:

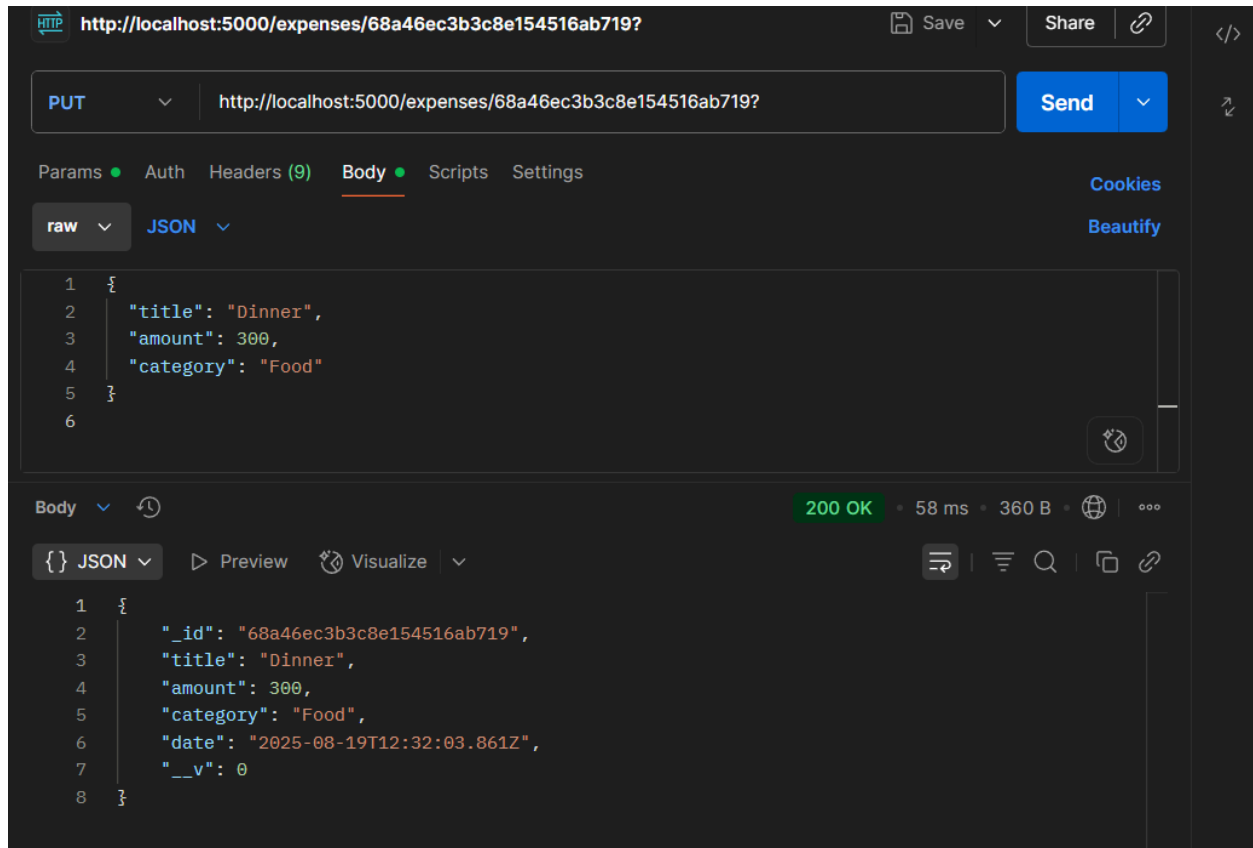
`http://localhost:5000/expenses/<id>`

👉 <id> = jo aap update karna chahte ho.

Headers:

`Content-Type: application/json`

x-api-key: thisismetrying8



5. DELETE — Expense Delete karna

Method: **DELETE**

URL:

`http://localhost:5000/expenses/<id>`

👉 `<id>` = jo delete karna ho.

Headers:

x-api-key: thisismetrying8

Send → Response: `{ "message": "Expense deleted successfully" }` (ya similar).

HTTP <http://localhost:5000/expenses/68a46ec3b3c8e154516ab719?> Save Share

DELETE <http://localhost:5000/expenses/68a46ec3b3c8e154516ab719?> Send

Params Auth **Headers (7)** Body Scripts Settings Cookies

Headers 6 hidden

	Key	Value	Descri...	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-api-key	thisismetrying8				
	Key	Value	Description			

Body 204 No Content • 31 ms • 134 B •

Raw Preview Visualize

1

To verify we can see it by using (READ (GET by ID)) - the expense of bus does not exist, hence it is deleted.

HTTP <http://localhost:5000/expenses/68a46ec3b3c8e154516ab719?> Save Share

GET <http://localhost:5000/expenses/68a46ec3b3c8e154516ab719?> Send

Params Auth **Headers (7)** Body Scripts Settings Cookies

	Key	Value	Descri...	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-api-key	thisismetrying8				
	Key	Value	Description			

Body 404 Not Found • 24 ms • 273 B •

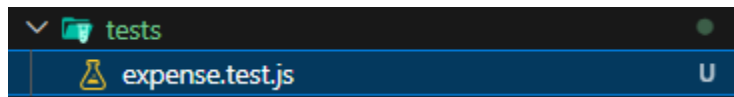
{ } JSON Preview Visualize

```
1 {
2   "message": "Expense not found"
3 }
```


30% Extra – Supertest (Automated Testing)

Why testing is important

"Normally we test APIs manually in Postman, but here I used Supertest to automate it. The test case calls POST /expenses and checks if an expense is created successfully. When I run npm test, the case passes, proving the API works automatically without manual effort."



```
Watch Usage: Press w to show more.
PS D:\SEM5\sem5_FSD\FSD_4THEXP_BudgetAPI\backend> npm test

> fsd_4thexp_budgetapi@1.0.0 test
> jest --watchAll
console.log
  [dotenv@17.2.1][DEBUG] No encoding is specified. UTF-8 is used by default
    at _debug (node_modules/dotenv/lib/main.js:135:11)

console.log
  [dotenv@17.2.1] injecting env (3) from ..\.env -- tip: 🛑 prevent building .env in docker: https
x.com/prebuild
    at _log (node_modules/dotenv/lib/main.js:139:11)
```

```
at Object.log (server.js:10:9)

console.log
  ✅ MongoDB Connected

at log (server.js:21:23)

PASS tests/expense.test.js
  Expense API
    ✓ should create a new expense (370 ms)
    ✓ should get all expenses (48 ms)
    ✓ should get a single expense by id (48 ms)
    ✓ should update an expense (53 ms)
    ✓ should delete an expense (55 ms)
    ✓ should update an expense (53 ms)
    ✓ should delete an expense (55 ms)
    ✓ should delete an expense (55 ms)
    ✓ should delete an expense (55 ms)
    ✓ should get distinct categories (59 ms)
    ✓ should get distinct categories (59 ms)

Test Suites: 1 passed, 1 total
Test Suites: 1 passed, 1 total
Tests: 6 passed, 6 total
Tests: 6 passed, 6 total
Snapshots: 0 total
Time: 2.224 s, estimated 4 s
Ran all test suites.

Watch Usage
  > Press f to run only failed tests.
  > Press o to only run tests related to changed files.
  > Press p to filter by a filename regex pattern.
  > Press t to filter by a test name regex pattern.
  > Press q to quit watch mode.
  > Press Enter to trigger a test run.

```

Code :

```
1 // tests/expense.test.js
2 import request from 'supertest';
3 import mongoose from 'mongoose';
4 import app from '../server.js'; // make sure server.js exports your Express app
5 import Expense from '../models/Expense.js';
6
7 const API_KEY = 'thisismetrying8';
8
9 beforeAll(async () => {
10   const url = process.env.MONGO_URI || 'mongodb://127.0.0.1/budget-api-test';
11   await mongoose.connect(url, { useNewUrlParser: true, useUnifiedTopology: true });
12 });
13
14 afterAll(async () => {
15   await mongoose.connection.close();
16 });
17
18 beforeEach(async () => {
19   await Expense.deleteMany({});
20 });
21
22 describe('Expense API', () => {
23   it('should create a new expense', async () => {
24     const res = await request(app)
25       .post('/expenses')
26       .set('x-api-key', API_KEY)
27       .send({ title: 'Lunch', amount: 150, category: 'Food' });
28
29     expect(res.statusCode).toBe(201);
30     expect(res.body.title).toBe('Lunch');
31     expect(res.body.amount).toBe(150);
32     expect(res.body.category).toBe('Food');
33   });
34 }
```

```
it('should get all expenses', async () => {
  await Expense.create({ title: 'Lunch', amount: 150, category: 'Food' });

  const res = await request(app)
    .get('/expenses')
    .set('x-api-key', API_KEY);

  expect(res.statusCode).toBe(200);
  expect(res.body.length).toBe(1);
  expect(res.body[0].title).toBe('Lunch');
});

it('should get a single expense by id', async () => {
  const expense = await Expense.create({ title: 'Lunch', amount: 150, category: 'Food' });

  const res = await request(app)
    .get(`/expenses/${expense._id}`)
    .set('x-api-key', API_KEY);

  expect(res.statusCode).toBe(200);
  expect(res.body._id).toBe(expense._id.toString());
});

it('should update an expense', async () => {
  const expense = await Expense.create({ title: 'Lunch', amount: 150, category: 'Food' });

  const res = await request(app)
    .put(`/expenses/${expense._id}`)
    .set('x-api-key', API_KEY)
    .send({ title: 'Dinner', amount: 200, category: 'Food' });

  expect(res.statusCode).toBe(200);
  expect(res.body.title).toBe('Dinner');
  expect(res.body.amount).toBe(200);
});
```

```

it('should delete an expense', async () => {
  const expense = await Expense.create({ title: 'Lunch', amount: 150, category: 'Food' });

  const res = await request(app)
    .delete(`/expenses/${expense._id}`)
    .set('x-api-key', API_KEY);

  expect(res.statusCode).toBe(204);

  const check = await Expense.findById(expense._id);
  expect(check).toBeNull();
});

it('should get distinct categories', async () => {
  await Expense.create({ title: 'Lunch', amount: 150, category: 'Food' });
  await Expense.create({ title: 'Bus', amount: 50, category: 'Transport' });

  const res = await request(app)
    .get('/expenses/categories')
    .set('x-api-key', API_KEY);

  expect(res.statusCode).toBe(200);

  // Map response objects to their _id (category) values
  const categories = res.body.map(c => c._id);
  expect(categories).toEqual(expect.arrayContaining(['Food', 'Transport']));
});
});

```

```

backend > B babel.config.js > ...
1  export default {
2    presets: [
3      [
4        "@babel/preset-env",
5        {
6          targets: { node: "current" }
7        }
8      ]
9    ]
10 };
11

```

```
PS D:\SEM5\sem5_FSD\FSD_4THEXP_BudgetAPI\backend> npm start

> fsd_4thexp_budgetapi@1.0.0 start
> node server.js

[dotenv@17.2.1][DEBUG] No encoding is specified. UTF-8 is used by default
[dotenv@17.2.1] injecting env (3) from ../.env -- tip: 🌀 write to custom object with { processEnv: myObject }
🌀 .env loaded: {
```

```
  USERNAME: 'chhab',
  USERPROFILE: 'C:\\Users\\chhab',
  VSCODE_GIT_ASKPASS_EXTRA_ARGS: '',
  VSCODE_GIT_ASKPASS_MAIN: 'c:\\Users\\chhab\\AppData\\Local\\Programs\\Microsoft VS Code\\res
  VSCODE_GIT_ASKPASS_NODE: 'C:\\Users\\chhab\\AppData\\Local\\Programs\\Microsoft VS Code\\Cod
  VSCODE_GIT_IPC_HANDLE: '\\\\.\\pipe\\vscode-git-e5bcffce74-sock',
  VSCODE_INJECTION: '1',
  windir: 'C:\\WINDOWS',
  ZES_ENABLE_SYSMAN: '1'
}
🌀 MONGO_URI: mongodb+srv://FSD_4thEXP_5thSEM_BudgetAPI:thisismetrying8@fsd-4thexp-5thsem-budg
🚀 Server running on port 5000
✅ MongoDB Connected
```