

This API allows you to manage medical bill information by providing endpoints for performing Create, Read, Update operations.

The API uses the following technologies:

- Express.js for creating the web server and handling HTTP requests
- body-parser for parsing incoming request data as JSON
- Joi for input validation
- uuid for generating unique IDs

### 1. GET /item

- Endpoint URL: <http://localhost:3000/items> : Retrieve a list of all medical bills stored in the API
- Response: A JSON array of medical bills
- Response Status Code: 200 OK

### 2. GET /item/:id:

- Endpoint URL: <http://localhost:3000/item/id>: Retrieve a single medical bill by its ID
- Response: A JSON object representing the medical bill with the specified ID
- Response Status Code: 200 OK

### 3. POST /items:

- Endpoint URL: <http://localhost:3000/items>: Create a new medical bill
- Request: A JSON object representing the new medical bill
- Response: A JSON object representing the newly created medical bill
- Response Status Code: 201 Created

Note- I was unable to find a direct solution to address the fact that a number input in the date field is considered valid in Joi validation. To keep things simple, I chose not to resolve this issue for now.

### 4. PUT /items:

- Endpoint URL: <http://localhost:3000/items>: Update an existing medical bill
- Request: A JSON object representing the updated medical bill
- Response: A JSON object representing the updated medical bill
- Response Status Code: 200 OK

Note- I was unable to find a direct solution to address the fact that a number input in the date field is considered valid in Joi validation. To keep things simple, I chose not to resolve this issue for now.

### **Error Responses**

- 404 Not Found: Indicates that the specified resource was not found.
- 403 Forbidden: Indicates that the input data is invalid.