the Master Course

CRUD and HTTP Verbs

You have now written **routes** in **Express** and used Thunder Client to send **requests** and receive **responses**.

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But what is the point of these?

The point is to perform database operations
That is to get back to the user.

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We have used two different routes

app.get("/books")
app.post("/books")

In each route, the "/book" part is the URL, which stands for Uniform Resource Locator

This is the particular route by which the request is sent.

We have sent two different requests down the same route, but each request is of a different type.

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We have a 'get' and a 'post' request

Each of these are examples of a 'HTTP verb' – a particular verb that describes the nature of our request.

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HTTP Verbs

In this course, we will be using four HTTP verbs;

GET
POST
PUT
DELETE

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HTTP Verbs

A **GET request** is about getting something – such as getting the data for a book from a **database**

A **POST request** is used to send data – we will use it to send data to create an entry on a **database**

A **PUT request** is used for updating an entry on a **database** – such as changing an address

A **DELETE request** is used to delete something from a **database**

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Database Operations

The four database operations are

CREATE
READ
UPDATE
DELETE

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CRUD and HTTP Verbs

Database Operations

When we make our API, we match each CRUD operation to a particular HTTP verb

CREAT - POST
READ - GET
UPDATE - PUT
DELETE - DELETE

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Express Route Layout
In Express, we will map each **HTTP** verb to some Javascript code, and each **CRUD** operation to this code;

POST -> app.post("/creatething") -> Create
GET -> app.get("/getthing") -> Read
PUT -> app.put("/updatething") -> Update
DELETE -> app.delete("/deletething) -> Delete

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