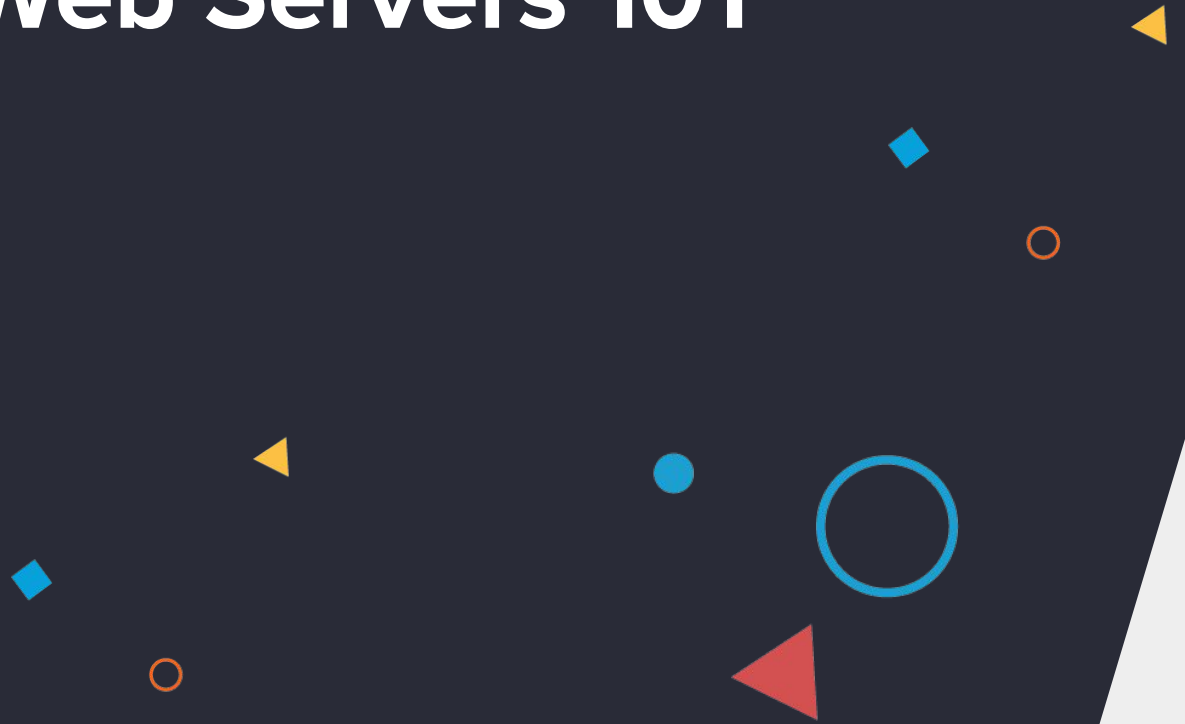
Web Servers 101



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AGENDA

What is Node.js

What is a web server

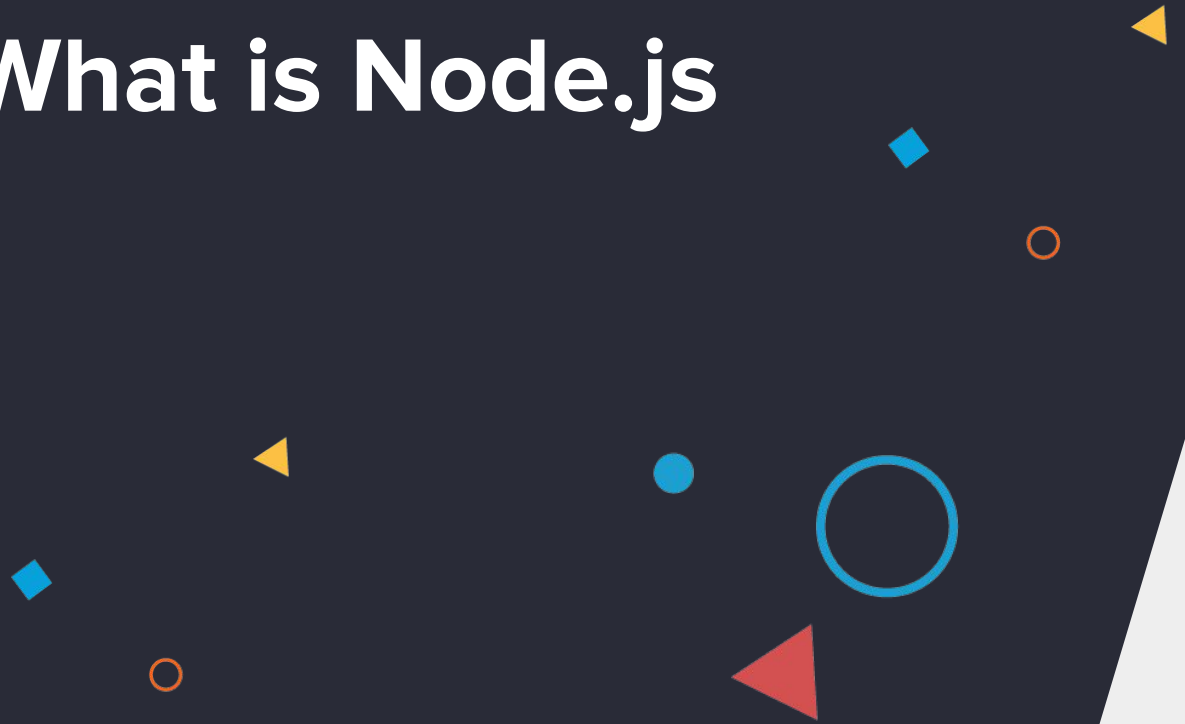
Creating a web server with vanilla Node.js

Create a web server with Express.js

Why was the JavaScript developer sad?

Because he didn't Node how to Express himself

What is Node.js



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What is Node.js? Select all that are true.

ⓘ Start presenting to display the poll results on this slide.

What is a web server?

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What is a web server? Select all that are true.

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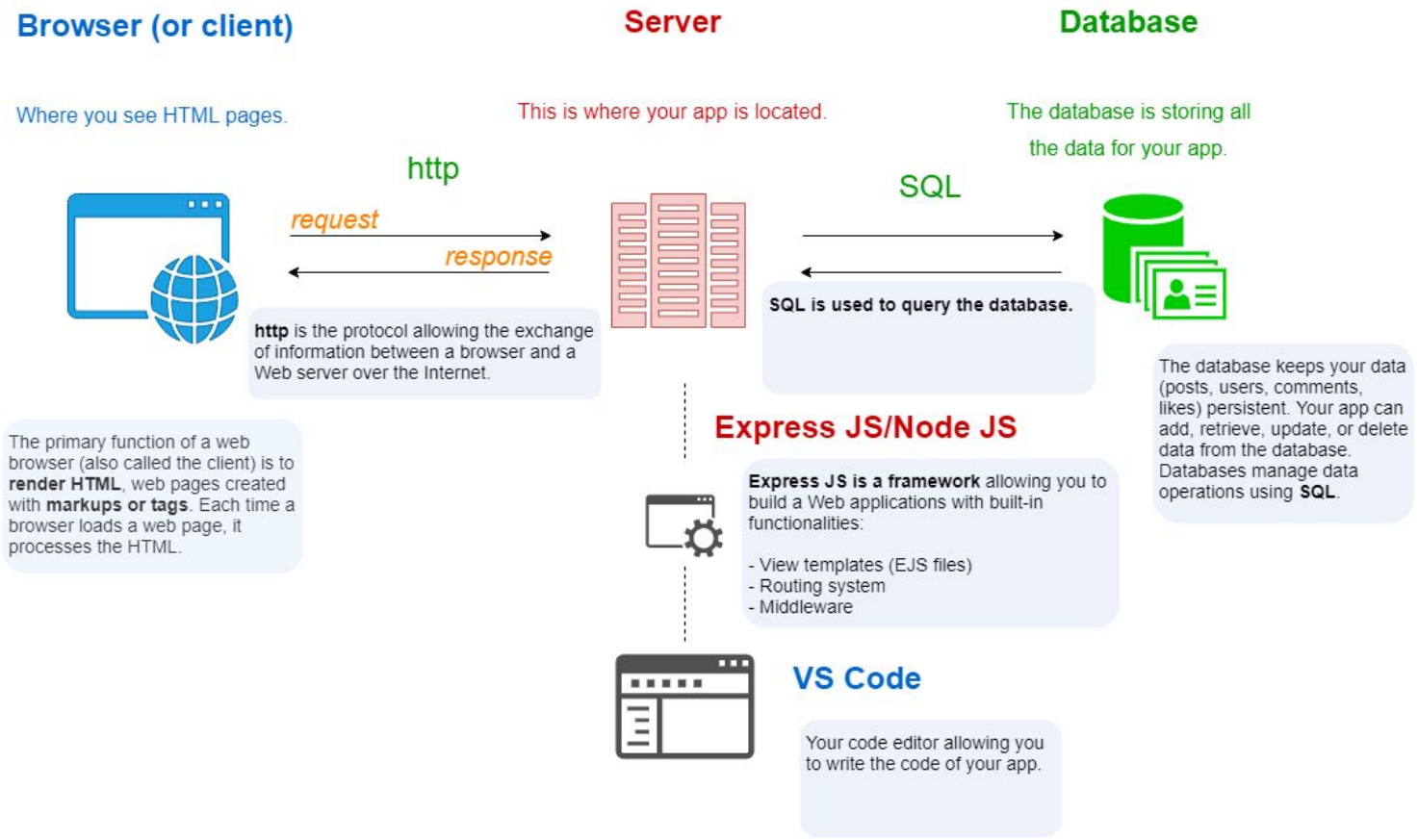
Web 3-Tier Architecture



Requests

- A web browser sends requests to a web server using http

request = http verb + path (resource)

- 4 http verbs:

1. GET (Read)
2. POST (Create)
3. PUT (Update)
4. DELETE (Delete)

Request

- The path indicates the resource

https://www.lighthouselabs.ca/web-development-bootcamp

path

Response

- The web server sends back a response

resource (HTML document) + status code

Requests and Responses

- Requests and Responses contain 2 parts:

Headers + body

- **Headers**:
  - request or response meta-information
- **Body**:
  - Information submitted (Form) in the case of a request
  - Response sent by the server (HTML document)

Demo

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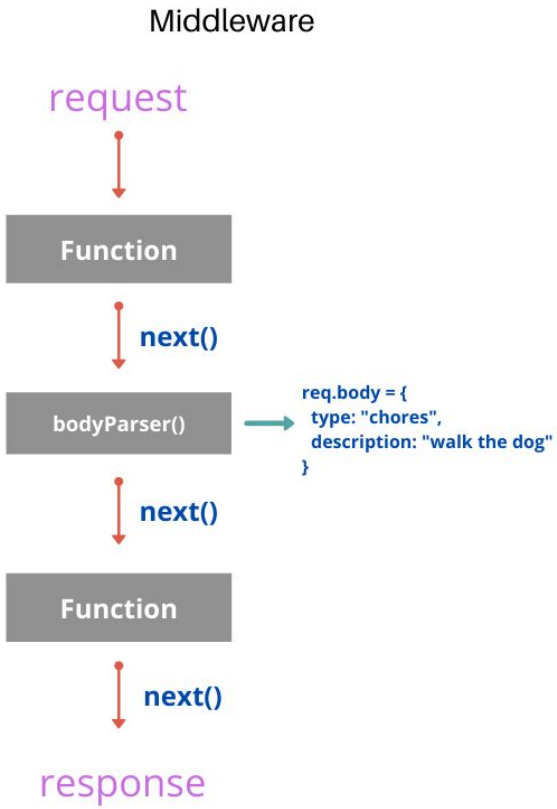
Middleware


Middleware
request
Function
next()
bodyParser()
req.body = {
type: "chores",
description: "walk the dog"
}
next()
Function
next()
response

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What are the benefits of Express?

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Questions?

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