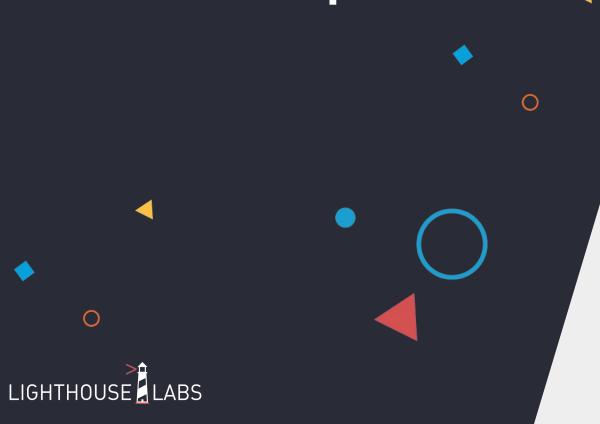# CRUD with Express

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AGENDA

Quick Recap

CRUD With Express

Render Data With ejs

How do you comfort a JavaScript bug?

You console it!

Recap: Web 3-Tier Architecture

Web Browser (Client)

Web Server

Database

① http request

② SQL Query

④ response (Content)

③ data

hardware

Primary function is to render HTML

Accepts http requests from clients and sends back the resource

Keeps the data persistent. Allows CRUD operations with SQL

software

NodeJS / Express

ExpressJS allows to build Web app with built-in capabilities.
- View templates
- Routing system
- Middleware

Recap: ExpressJS

Express JS does provide us with some tools:

1. Routing System
2. Templating Engine (ejs)
3. Middleware Functions

CRUD With Express

Let's create a **movie quotes app** with ExpressJS!

Functionalities:

- Create a new quote   > **C**reate
- List the quotes   > **R**ead
- Update a new quote   > **U**pdate
- Delete a quote   > **D**elete

That what we call **CRUD**!

http verbs

http verbs are mapped to CRUD operations

- POST   > **C**reate
- GET   > **R**ead
- PUT   > **U**pdate
- DELETE   > **D**elete

Routes

We're creating the routes according to REST*

Action	http verb	end point
List all quotes	GET	get '/quotes'
Get a specific quote	GET	get '/quotes/:id'
Display the new form	GET	get '/quotes/new
Create a new quote	POST	post '/quotes
Display the form for updating a quote	GET	get '/quotes/:id/update'
Update the quotes	PUT	put '/quotes/:id
Deleting a specific quote	DELETE	delete '/quotes:id'

*Since the browsers do support only GET and POST, we will use a slight variation on some routes.

Questions?

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