

# CRUD with Express

# 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

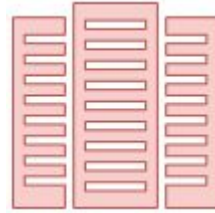
Web Browser (Client)



1 http request

4 response (Content)

Web Server



hardware

2 SQL Query

3 data

Database



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**ppdate
- Delete a quote > **D**eleate

That what we call **CRUD**!

# http verbs

http verbs are mapped to CRUD operations

- POST > **C**reate
- GET > **R**ead
- UPDATE > **U**ppdate
- DELETE > **D**elele

# 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?