Express Yourself

The Coding Bootcamp

Today's Class

Your Objectives

**Before you walk out the door you should…**

- Know how to create a generic Express Server (copy and paste is fine).

- Know how to create a basic Express GET route

- Know how to create an Express POST route

- Know what POST Man is for

- Understand "conceptually" how to use AJAX to GET and POST data to an Express server

A Moment to Refresh

Inside the Box: And More!

Server

Listen	URL Parse

Route Handling

Send HTML	Send JSON

Receive POSTs	Server Side Logic
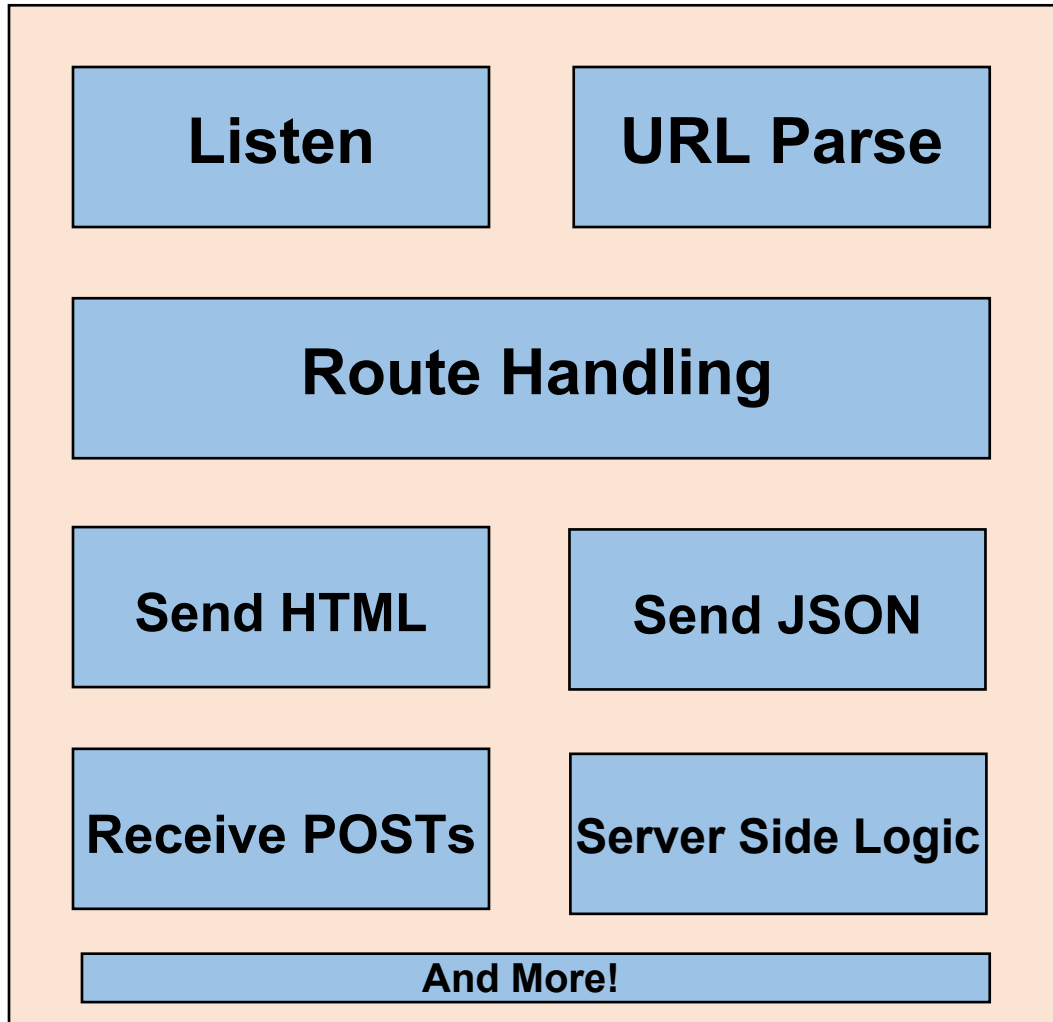
And More!

- In a way, servers can be represented as hardware boxes with modules of server-side code contained inside.

- Servers typically contain code for tasks such as listening, parsing URLs, route handling, and more.

Express

What is **Express?**

Express.JS

Express

Home   Getting started   Guide   API reference   Advanced topics   Resources

Express
Fast, unopinionated,
minimalist web framework for
Node.js

```
$ npm install express --save
```

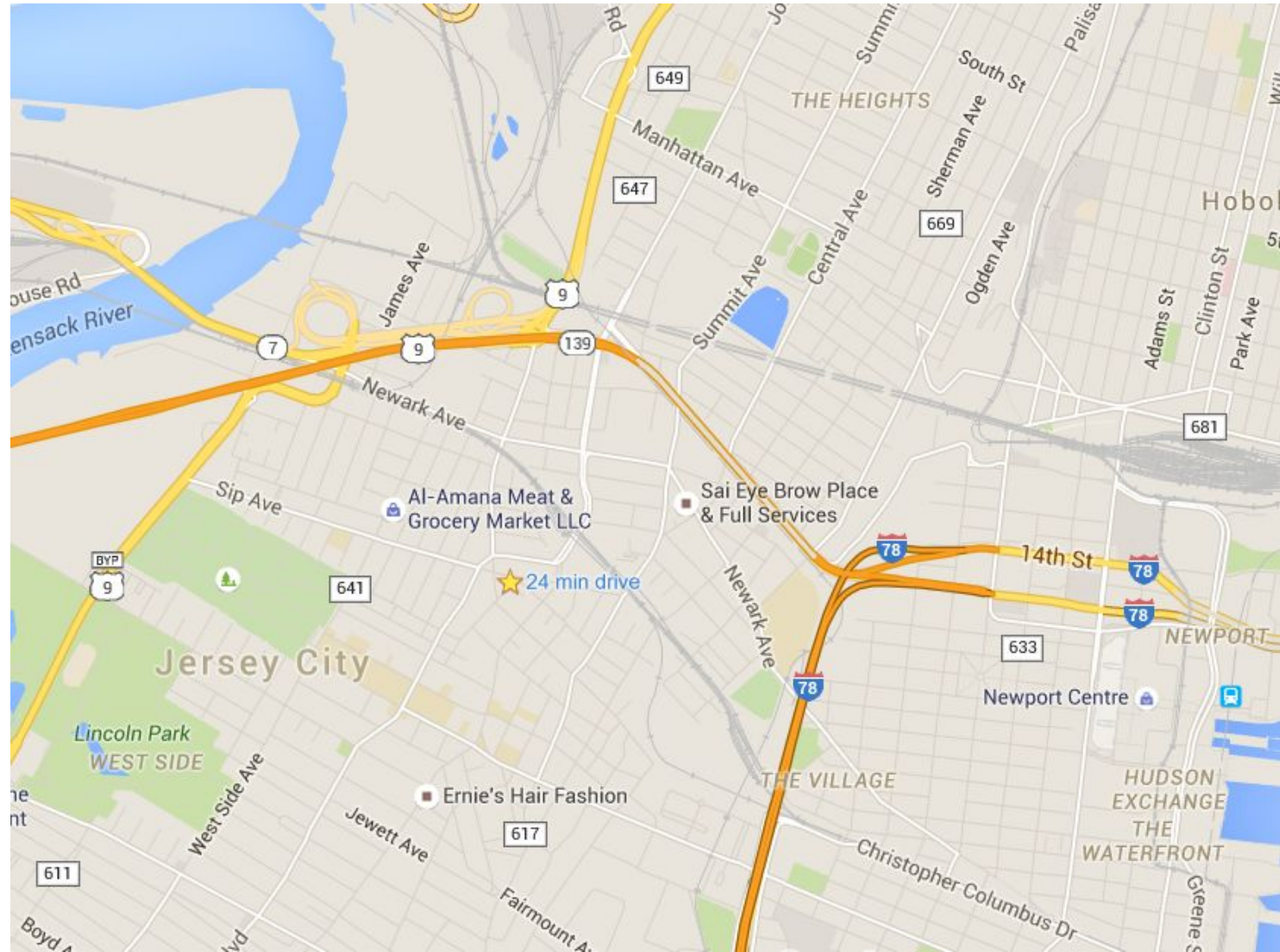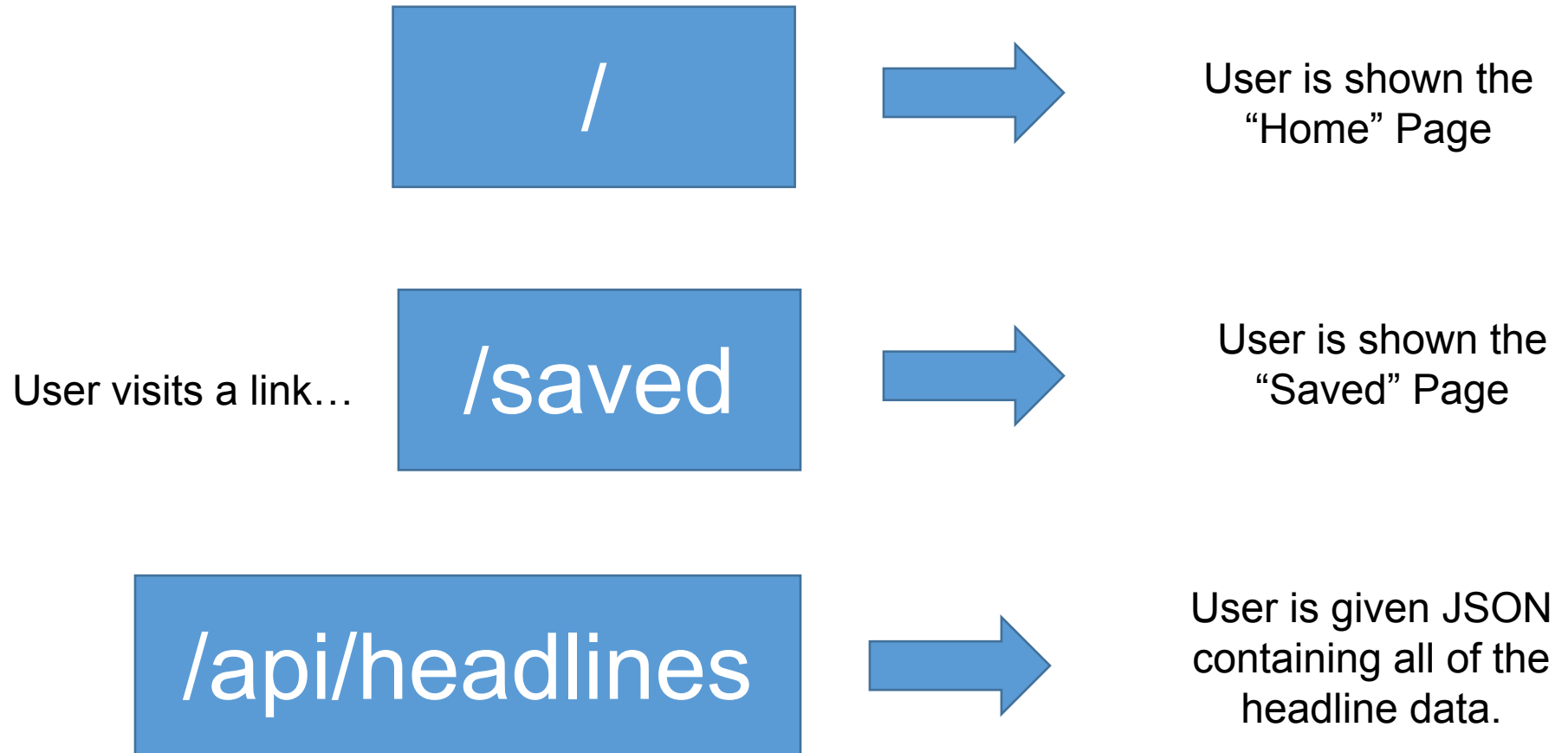Web framework for node to make creating code for **server** much simpler

What is a **route?**

Routes = Maps

Routes = Maps

/ → User is shown the "Home" Page

User visits a link… /saved → User is shown the "Saved" Page

/api/headlines → User is given JSON containing all of the headline data.

Quick Example

http://nyt-mongo-scraper.herokuapp.com/

Client-Server Communication (GET)

Client Browser
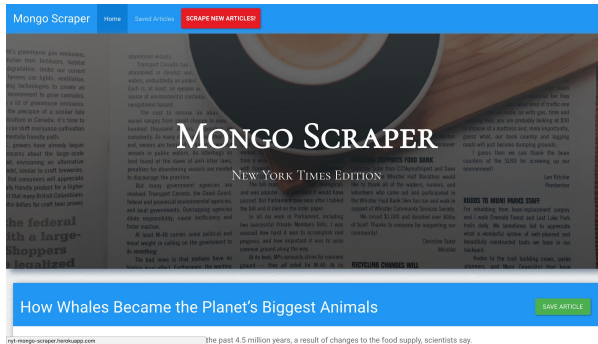
Node Server

1) User visits "/"
route

(GET Request)

Client-Server Communication (GET)

Client Browser

Node Server

1) User visits /saved
(GET Request)

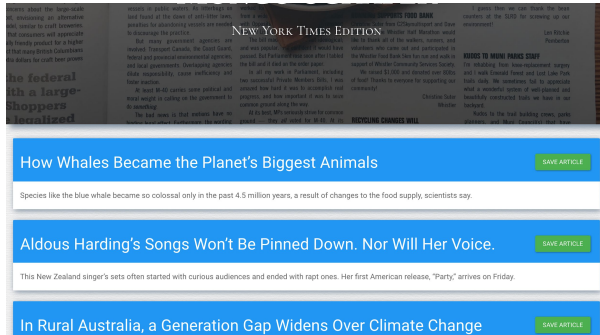3) Server responds by providing HTML with saved articles

2) Request triggers the code in the Server route. The server then finds the relevant HTML content and data

Client-Server Communication (POST)

Client Browser

Node Server
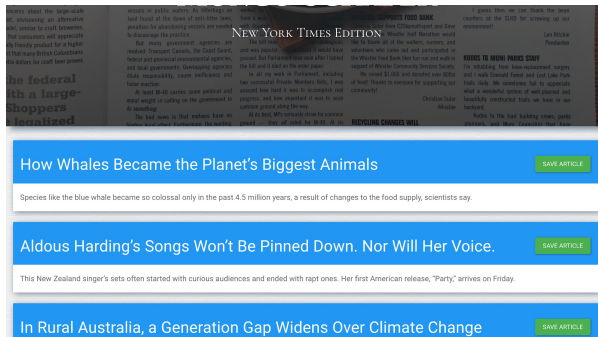
1) User saves an article using "api/headlines"

(POST Request)

Client-Server Communication (POST)

Client Browser

Node Server

1) User saves an article using "api/headlines"

(POST Request)

3) "Saved" articles are loaded on the saved page.

2) Request triggers the code in the Server route. The server then sets the article as "saved" in the database.

Activity Time!