

CMSC 389N

Express!

Agenda

- Announcements
- Reminders
- Node
- Modules
- Basic Node Interactions

Announcements

- Exercise 5 will be released this week (Tuesday or Wednesday)
 - Similar length to complete (~2 weeks)
- Final Exam will be posted 2-2.5 weeks from May 16th
 - Open ended with only a few guidelines

Couple of Notes about Exercise 4

- Make sure you create only one instance of Cook
- You may use any of the ways discussed to render part two
- Create handlers before calling a method that will emit an event.
- Please come to Office hours Wednesday if you need help

Where were we?

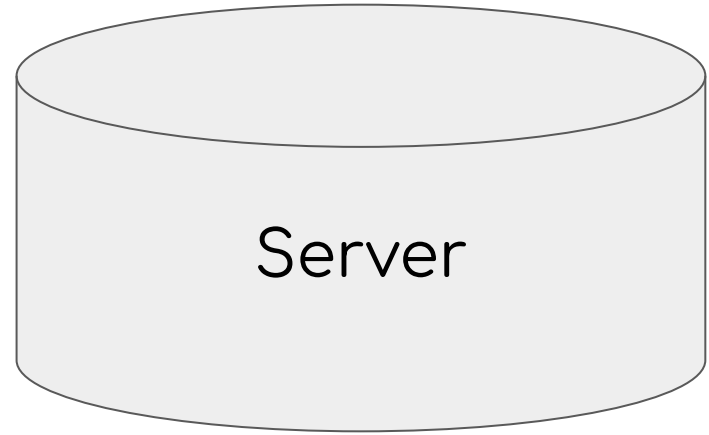
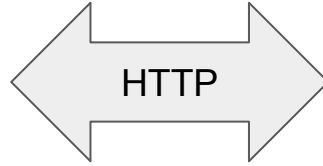
- Module based structure of Node
- Created an event creator and handler using the event built in module
- Created a web server using http built in module

Http module

We have to create very specific handlers:

- Which port?
- What event?
- What address?

Suuuper unsustainable if we want to have a cohesive application.



REST

Representational

State

Transfer

Convention for the Server Services

CRUD Operations

Create

Read

Update

Delete

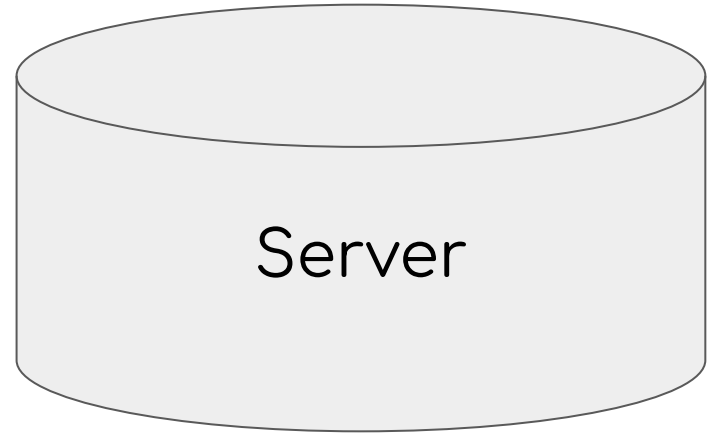
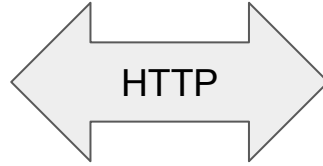
CRUD Operations => HTTP Methods

Create => POST

Read => GET

Update => PUT

Delete => DELETE



Example Call

`https://api.yelp.com/v3/businesses`

Express

A Web Application Framework

Rests “on” Node in order to create a protocol for passage of information with http.

Extremely popular!

How to use!

1. `npm i express` (sudo if you have mac)

2. In the file:

a. `const express = require('express');`

b. `const app = express();`

CRUD Operations => HTTP Methods

Create => POST (One Item)

Read => GET (One Item or multiple)

Update => PUT (One Item)

Delete => DELETE (One Item)

WTWAW (What To Walk Away With)

1. What is Express?
2. Why is having a protocol necessary?
3. Install Express
4. Create an example