CMSC 388B

Introduction to Express!

Agenda

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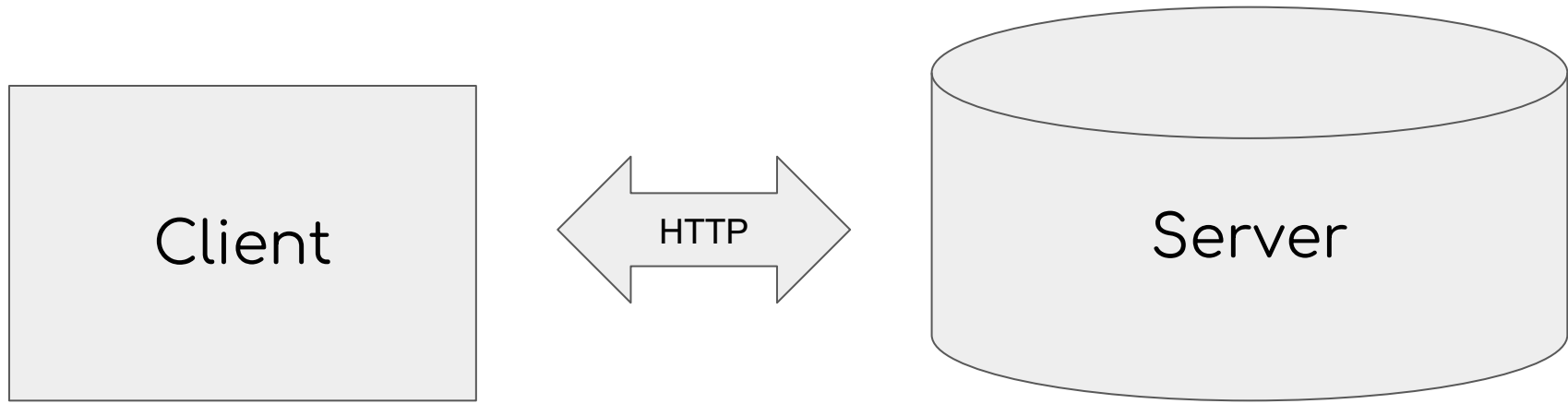- Modules
- Basic Node Interactions

Http module

We have to create very specific handlers:

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

Extremely unsustainable if we want to have a cohesive application.

HTTP request/response lifecycle

Client

HTTP

Server

REST

Representational

State

Transfer

Convention for the Server Services (in our class at least)

CRUD Operations

Create

Read

Update
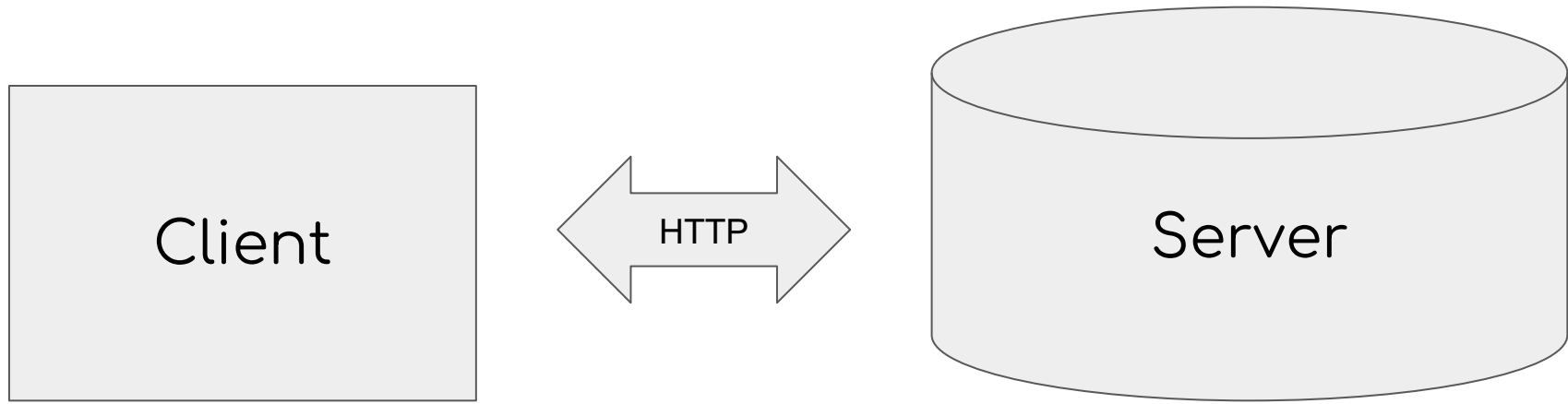
Delete

CRUD Operations => HTTP Methods

Create => POST

Read => GET

Update => PUT

Delete => DELETE

HTTP request/response lifecycle

Client

HTTP

Server

Example Call

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

What kind of call is this?

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. Better way… npx express-generator

3. Open file and add the the following (can be any 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. Run Express-CLI using npx
4. Create an example