

Getting started: Node.js, Express

Hello World with Express, Node.js

- Download Node.js: <http://nodejs.org/>
- Download Express: <http://expressjs.com/starter/installing.html>
- Hello World in Express: <http://expressjs.com/starter/hello-world.html>
- start your server: `node index.js`
- make a request: <http://localhost:3000/>

What did you just do?

- npm: Node Package Manager
- `npm install`: install dependencies/modules that are listed in `package.json`
- `node index.js`: start server (run `index.js`)
- everytime you update your code, you need to restart your server!

Routing

- How an app responds to a client request (method, URI)
- Each route has a handler function, executed when the route is matched.

app.VERB(PATH, HANDLER)

- app: instance of express
- VERB: HTTP request method
- PATH: URL
- HANDLER: function that is executed when the route is matched (it's a callback function!)

<http://expressjs.com/starter/basic-routing.html>

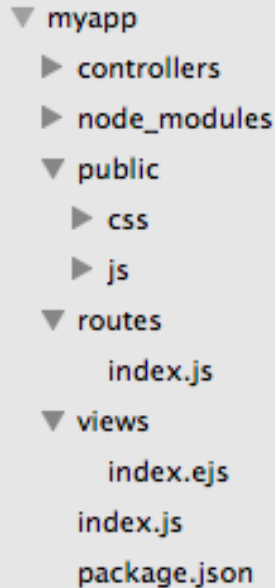
Where's the HTML and CSS?

- Recall that the server gives the client HTML and CSS (front-end code) for the client (browser) to render
- Right now, the server is just sending a string to the client. (We can also send JSON)
- No HTML and CSS for now, let's keep it simple.

Routing

- <http://expressjs.com/starter/basic-routing.html>
- Open Postman. Try the following requests. What are the response status codes?
 - GET 'localhost:3000/'
 - GET 'localhost:3000/user'
 - PUT 'localhost:3000/user'

“MVC” in Express



```
▼ myapp
  ► controllers
  ► node_modules
  ▼ public
    ► css
    ► js
  ▼ routes
    index.js
  ▼ views
    index.ejs
    index.js
    package.json
```

A file tree diagram showing the structure of an Express MVC application. The root directory is 'myapp'. It contains three subdirectories: 'controllers', 'node_modules', and 'public'. The 'public' directory contains two subdirectories: 'css' and 'js'. The 'routes' directory contains a file 'index.js'. The 'views' directory contains three files: 'index.ejs', 'index.js', and 'package.json'.

- *create these directories/files*
- *npm install ejs*
- *app.js*
- *routes/index.js*
- *views/index.ejs*