

# **Common confusion on basic-express**

The assignments practice with common problems

- Let's review some

# The public/ directory

I deliberately made you link to the CSS

- Add link to generated HTML
- Get the path in the `href` correct

Key lesson:

- server-side vs client-side paths
  - DIFFERENT

# Server-side paths are easy

Paths where the server-side code loads it

- like in `require()`
- all relative to the server-side code

# Client-side paths aren't loaded by server!

If `chat-web.js` generates HTML to load CSS

- this load does not happen IN chat-web.js
  - The HTML is just a string of text
- HTML is sent in response to browser
- browser decides to request the css
- browser can't access server code
- server.js says it will look in `public/`
  - or match a dynamic route

## **public/ will never appear in your urls**

- Not in `href`
- Not in `src`
- Only in server code
  - only when dynamically using static files

# Route Matching

Server is always responding to a request for a path

- express looks for a matching route
  - In order
  - Stopping once a matching route doesn't send it on to the next route

# When we request /

- Server looks in `public/` for `public/index.html`
- Because `express.static()` route is first

Test it:

- Create a `public/index.html`
- See it instead of dynamic `/` route
- Move `app.use(express.static(...))`
  - to just before `app.listen(...)`
  - after `app.get('/', ...)`
- Restart server
- Dynamic `/` route now shows

# HTML not "read" on server

- Load `/` in browser
  - look in `DevTools->Network`
- You see `GET /`
- You see `GET /chat.css` (or whatever)

Server sent HTML response

- No CSS file
- Just a reference to the CSS file
- BROWSER decides to request the CSS file
- Server doesn't even know CSS file request is related