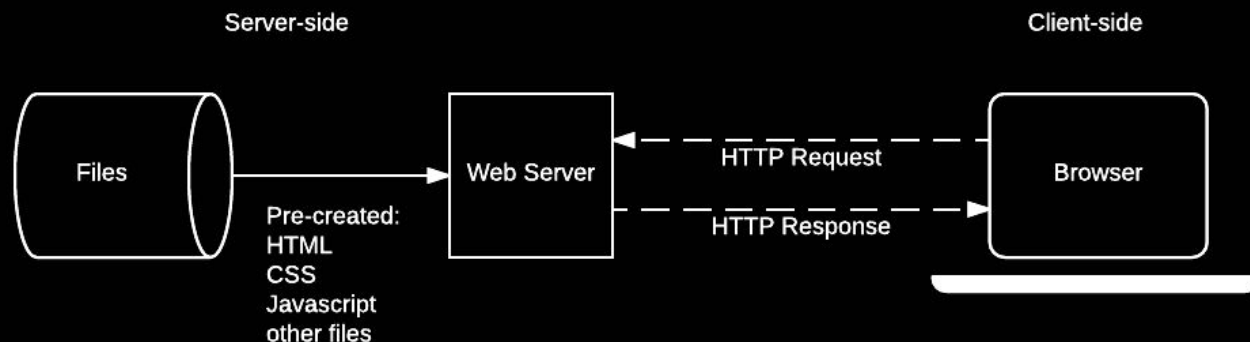


Static vs Dynamic Web

CS 272 Software Development

Static Website



https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Client-Server_overview

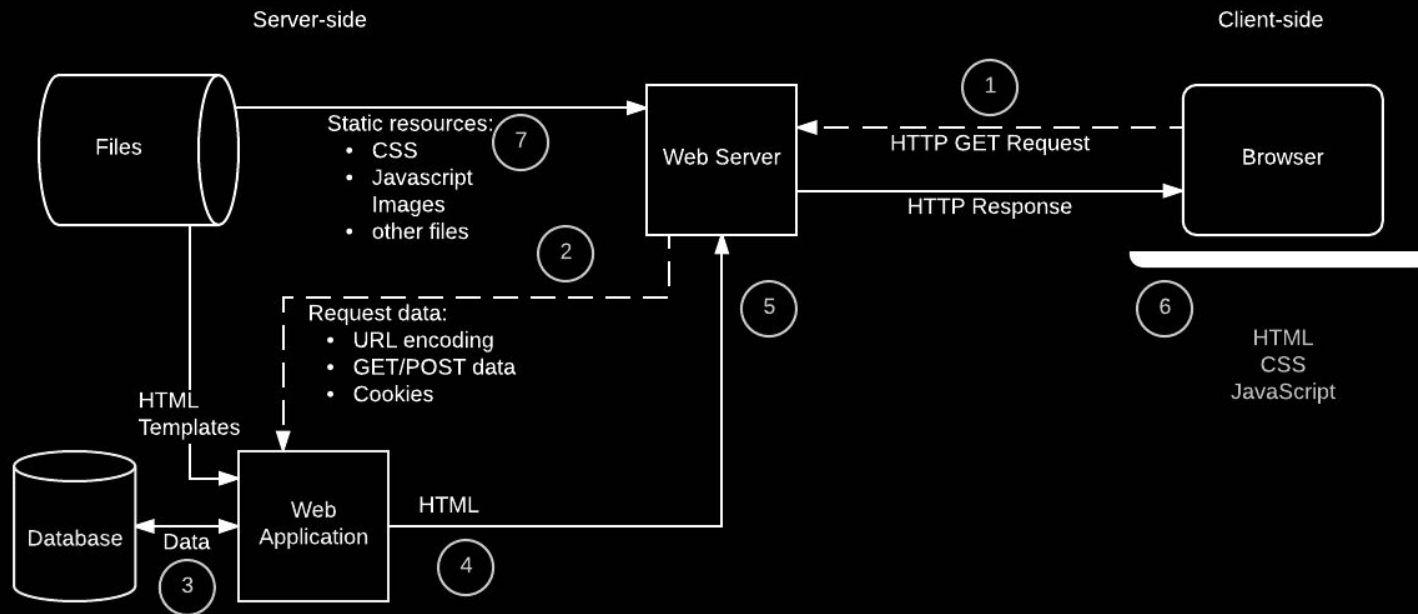
Static Website

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>My test page</title>
  </head>
  <body>
    <p>This is my page</p>
  </body>
</html>
```

https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Getting_started



Dynamic Website



https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Client-Server_overview

Client vs Server Side Code

Client-Side

- Server returns HTML, code
- Client (web browser) executes code
- Includes Javascript, ~~applets~~, ~~flash~~, ...

Server-Side

- Web server executes code to generate HTML
- Server returns HTML only
- Includes Python, Java, JavaScript, PHP, Perl, ...



Dynamic Client-Side Code

```
1.  <!DOCTYPE html>
2.  <html>
3.  <body>
4.
5.  <h2>JavaScript if .. else</h2>
6.
7.  <p>A time-based greeting:</p>
8.
9.  <p id="demo"></p>
10.
11. <script>
12.   const hour =
13.     new Date().getHours();
14.
15.   let greeting;
16.
17.   if (hour < 18) {
18.     greeting = "Good day";
19.   } else {
20.     greeting = "Good evening";
21.   }
22.
23.   document.getElementById("demo")
24.     .innerHTML = greeting;
25. </script>
26.
27. </body>
28. </html>
```

https://www.w3schools.com/js/tryit.asp?filename=tryjs_ifthenelse



Dynamic Client-Side Code

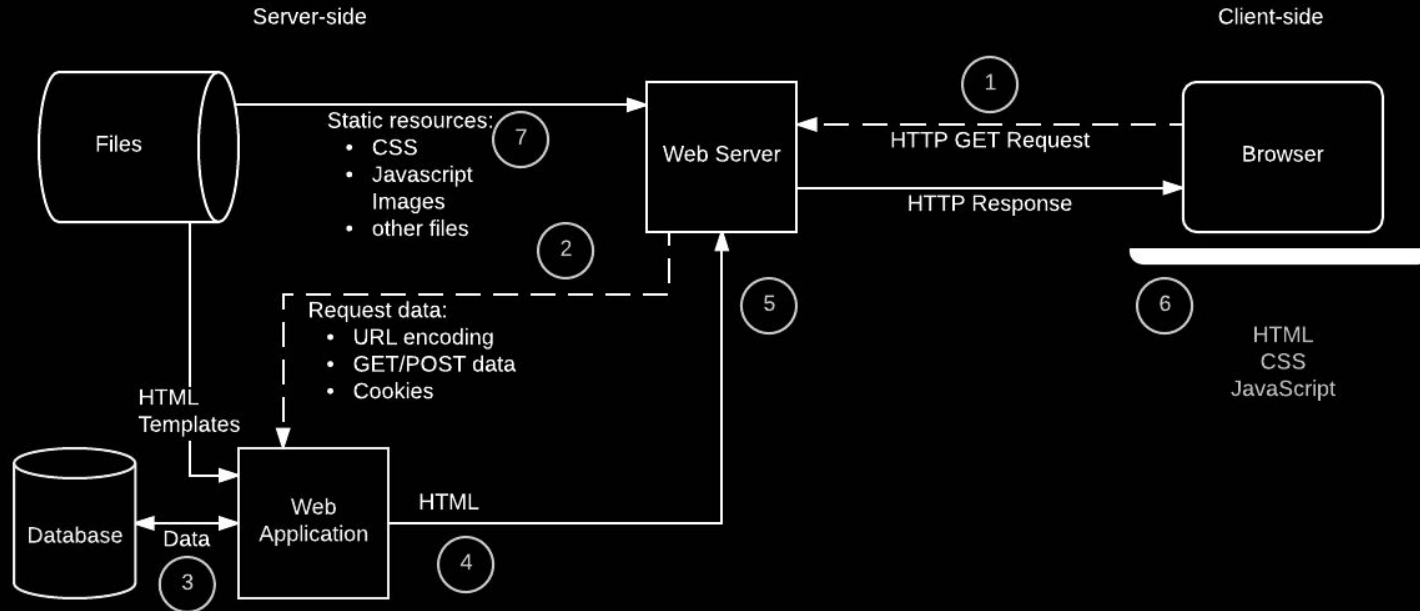
```
1. <!DOCTYPE html>
2. <html>
3. <body>
4.
5. <?php
6. $t = date("H");
7.
8. if ($t < "20") {
9.     echo "Have a good day!";
10. }
11. ?>
12.
13. </body>
14. </html>
```

```
1. <!DOCTYPE html>
2. <html>
3. <body>
4.
5. Have a good day!
6.
7. </body>
8. </html>
```

https://www.w3schools.com/php/phptryit.asp?filename=tryphp_if



Dynamic Website



https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Client-Server_overview

Questions?

