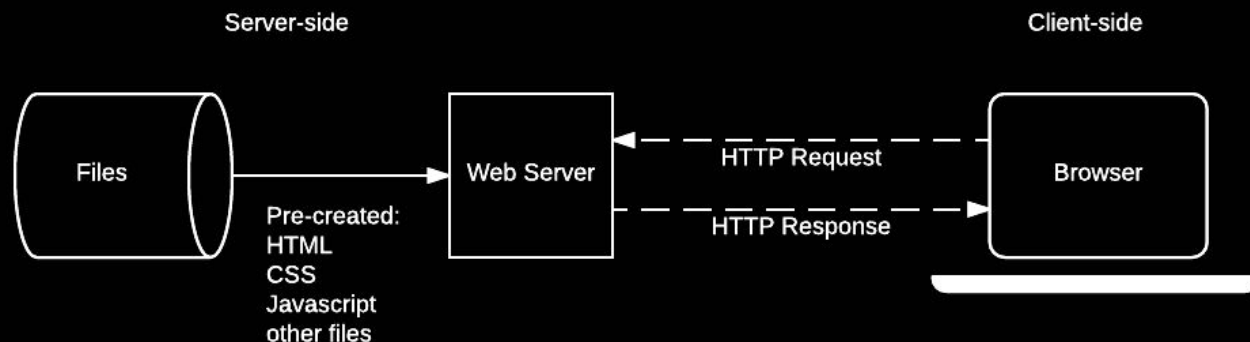


# Static vs Dynamic Web

CS 272 Software Development

# Static Website



[https://developer.mozilla.org/en-US/docs/Learn/Server-side/First\\_steps/Client-Server\\_overview](https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Client-Server_overview)

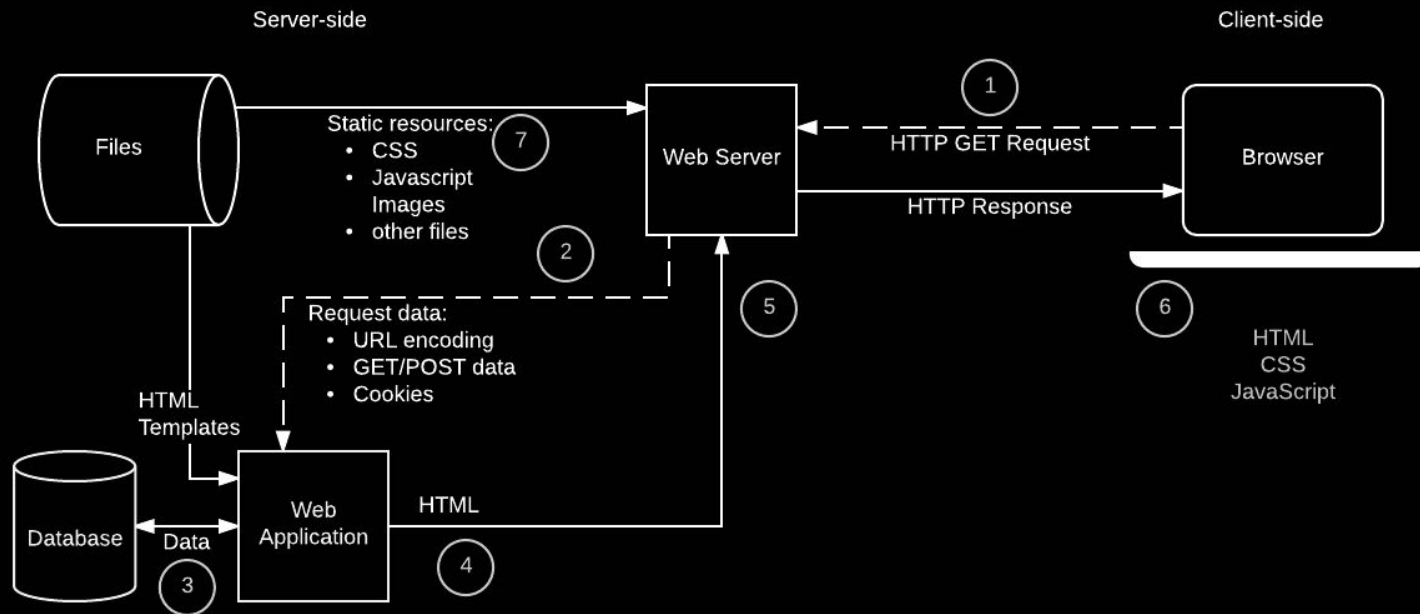
# Static Website

```
<!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](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](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 and code in response
- Client (browser) executes code to generate HTML
- Includes Javascript, ...

## Server-Side

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

[https://developer.mozilla.org/en-US/docs/Learn/Server-side/First\\_steps/Introduction#are\\_server-side\\_and\\_client-side\\_programming\\_the\\_same](https://developer.mozilla.org/en-US/docs/Learn/Server-side/First_steps/Introduction#are_server-side_and_client-side_programming_the_same)



# 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](https://www.w3schools.com/js/tryit.asp?filename=tryjs_ifthenelse)



# Dynamic Server-Side Code

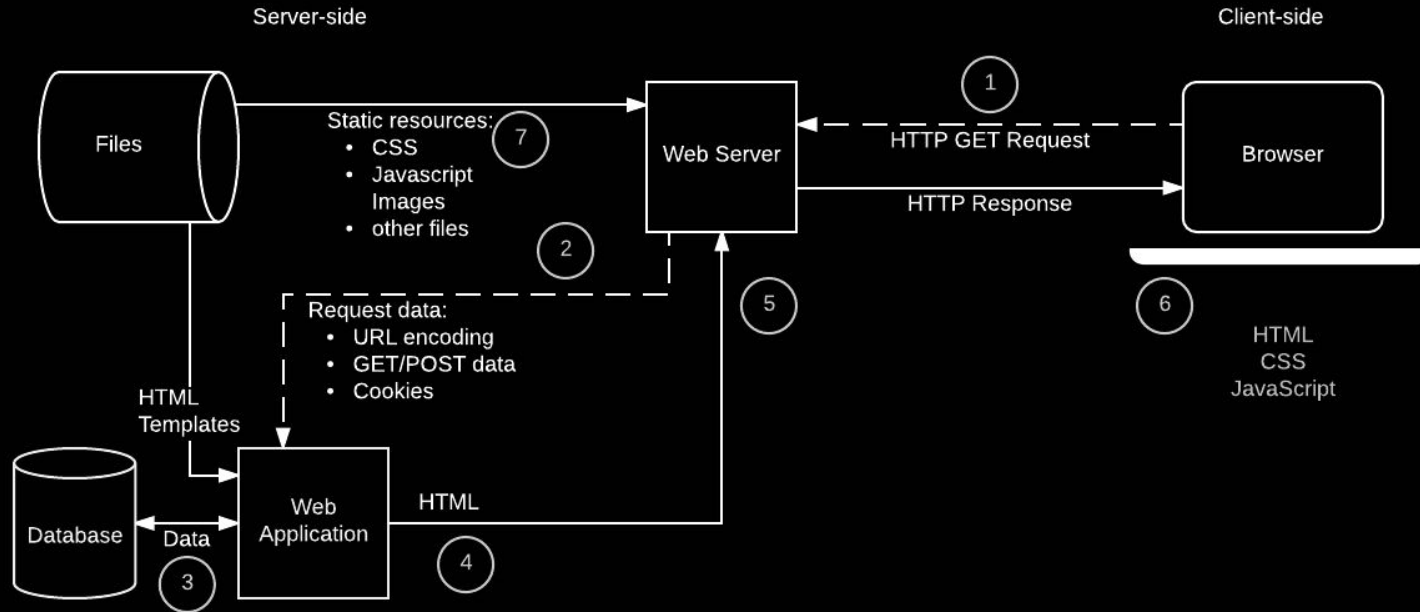
```
1. <!DOCTYPE html>
2. <html>
3. <body>
4.
5. <?php
6. $t = date("H");
7.
8. if ($t < "20") {
9.     echo "Have a good day!";
10. }
11. ?>
12.
13. </body>
14. </html>
```

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



# Questions?

