

In Class Activity 7

Document Your Choice

1. What localStorage feature did you implement and why?
 - Theme Preference
 - I am a person that likes to use dark mode on everything, so I want my users to have the choice.
2. What user problem does this solve?
 - Some of my users could be sensitive to bright screens so adding a dark mode could help alleviate those issues and users don't have to re-apply their preferred look each time.
3. What data are you storing exactly?
 - userTheme: "light" or "dark"

Individual Reflection

During responsive testing I noticed a quirky behavior with my theme toggle on small screens. I had to switch from light to dark and then it would flip back to dark again on the next click, which told me my logic was forcing an unnecessary extra step. The localStorage feature still improves the experience because it gives users agency to choose a theme and keeps that choice between visits. I had not fully considered the ethics of storing even small bits of data. It made me realize that even small preferences can add up with other data and basically act like a fingerprint. For my community audience, some users may need a dark screen for eye strain while others need higher contrast for readability. To respect that range, I will add a simple reset option so users can clear the preference without digging into browser settings. I will also include a short privacy note that explains we store only the theme choice on the device and that it can be cleared anytime.

```
9 <button id="theme" type="button">Click Me!</button>
10
11 <script>
12   /*
13    - What data you're storing:
14    | - Key: 'userTheme'
15    | - Value: 'light' or 'dark' (string)
16    |
17    - Why this data is necessary:
18    | - Keeps the user's theme choice across visits so they don't have
19    |   to switch every time; improves comfort and accessibility.
20    |
21    - How users can control this data:
22    | - In browser settings: clear site data/storage for this site.
23    */
24   let btn = document.querySelector('#theme').addEventListener('click', theme);
25
26   function theme(){
27     // console.log("theme works");
28     setTheme("light");
29   }
30   // Save user's theme choice
31   function setTheme(theme) {
32     let inTheme = theme;
33     if (inTheme == 'dark') {
34       | theme == 'light';
35     }
36     else {
37       | theme ='dark';
38     }
39     localStorage.setItem('userTheme', theme);
40     document.body.className = theme;
41   }
42
43   // Load saved theme on page load
44   window.addEventListener('load', function() {
45     | const savedTheme = localStorage.getItem('userTheme') || 'light';
46     | document.body.className = savedTheme;
47     | });
48 </script>
```