

WEB 303 - Javascript 2

Chapter 9: APIs

Assignment 4

In this assignment we will use JavaScript location and web storage APIs.

Note: If you have problems with the code running, upload your files to your `scweb.ca` server. Web storage is dependant on the domain, it might not work properly from the local filesystem.

1. Use geolocation to find the current location and display it on the page if geolocation is available.
2. Check to see if a location value is already stored in localStorage. If there is one, retrieve it and display it on the page below the current location.
3. Display a message below both locations using the following logic:
 - Display a welcome message if the person is visiting for the first time (no location stored).
 - If there is a value in localStorage, compare the new value with the old value and display a message to show how far the person has moved.
(a function provided is in the `script.js` to calculate the distance between two lat/long pairs.)
 - Display a message if localStorage is not available.
 - Display a suitable message if geolocation is not available.
4. Store the current location values in localStorage, replacing the old value if there is one.