

List of JavaScript Functions I Plan to Implement

1. DOM Manipulation / Event Handler: toggleHoursVisibility()
 - a. Purpose: Show or hide “Hours” section when a button is clicked
 - b. Integration: Attach the function to a “View Hours” button using an onclick event
2. API Implementation (Browser API): getUserLocation()
 - a. Purpose: Use the geolocation API to get the user’s location and display nearby directions to the Duquesne Incline
 - b. Integration: Call this function when a “Get My Location” button is clicked
3. API Implementation (Third-Party API - Google Maps): initMap()
 - a. Purpose: Initialize a Google Map centered on the Duquesne Incline
 - b. Integration: Call this function when the page loads using the onload event
4. jQuery Implementation: setUpCarousel()
 - a. Purpose: Create an image carousel to display photos of the incline
 - b. Integration: Call this function when the page loads, using jQuery’s \$(document).ready()
5. Form Validation: validateContactForm()
 - a. Purpose: Validate the contact form to ensure all required fields are filled out correctly
 - b. Attach this function to the form’s onsubmit event