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**67-250**

**Development Plans**

**JavaScript Functions**

**DOM Manipulation: Modifying Page Element Dynamically for Personalization**

I will use this function to create the following banner on my Home page.

A white rectangular box with black text

Description automatically generated

This function will help me edit the two non-static banner pieces: the tips below “Information to know today” and the “waiting time” section. For the tips, I will cycle through an array of three helpful tips. For the “waiting time” section, I will set the waiting time to busy if it is Saturday or Sunday afternoon the waiting time will be busy, and otherwise not busy.

**API Implementation: Google Maps**

This implementation will be for the directions section on the Plan Your Visit page.A map of a city

Description automatically generated

I plan to implement Google Maps to help users find directions to the Duquesne Incline from their location.

**jQuery Implementation: Interactive Carousel**

This implementation will help users scroll through different events on the Home page. It is under the Essential Experiences section.

A collage of images of people in a bus

Description automatically generated

There will be five total images/links that the user can scroll through: the Cable Car, Field trips, two different images for Gift Shop, and Pittsburgh Tours.

**The Submission Form**

I will need a JavaScript function for my Contact Us page. It will help me add functionality to the submit button for my Join Our Mailing List form.

A screenshot of a form

Description automatically generated

This button will allow the user to submit their contact information and write an error message below the submit button if their input is invalid.