**[Intro – 10–15 seconds]**

**Hi, my name is Ty Rusnell, and this is my JavaScript demonstration video for my final project for WDD 231.**

**I’ll walk through how I met all the JavaScript requirements using my project**

**1. ES Modules – How did you incorporate ES Modules? (index.html)**

**- My JavaScript is split into multiple modules. For example, I have trails.js for rendering trail cards, getdata.js for fetching data, navigation.js for responsive nav, and more.**

**- In my HTML files like index.html, I import them using ES Modules.**

**CODE: <script type="module" src="scripts/featured.js"></script>**

**- These modular structures help keep my code organized and easy to maintain.**

**2. DOM Interaction – How did you use DOM interaction? (navigation.js)**

**- navigation.js show the use of DOM Interaction**

**Selecting elements from the DOM:**

**Listening for an event:**

**Reacting when the page loads:** This waits for the entire HTML to finish loading before running the code inside

**Looping through navigation links and updating the active one**

**- This lets the user toggle the navigation menu on smaller screens. I also interact with the DOM in trails.js to generate trail cards dynamically.**

**3. localStorage – How did you use localStorage? (reviews.js)**

**- In reviews.js, I use localStorage to store and display user-submitted trail reviews.**

**- This ensures the reviews persist across sessions. I then dynamically render them back onto the reviews.html page.**

**4. API or JSON Data – How did you use API/Data integration and what was the output?**

**(trails.json & features.js)**

**- I am using two types of API’s. Internal through trails.js and external through features.js**

**For the internal API, I am loading trail data from my trails.json file using fetch(), just like you would from an API.**

**For the external API, I am talking with the OpenWeather Map API through the internet using lat and lon values from the trail object to fetch live weather info. The response gives me real time weather data.**

**5. Modal Dialog – How did you use a modal dialog structure? (trails.html & trails.js)**

**On the trails.html page, I implemented a modal to show detailed trail information. In trails.js, I listen for clicks and then populate and show the modal:**

**This keeps the user on the same page while viewing more detailed content, improving the user experience.**

**[Closing – 10 seconds]**

**Thanks for watching my demo! I’ve really enjoyed building this project and learning how to apply JavaScript features effectively.**