**Test Cases**

Test Case: Google Maps embed is functional  
Requirements Covered: Area damages displayed on a map  
Purpose: To ensure map is viewable and can be interacted with  
Steps Taken: Drag, zoom in, and zoom out in the Google Maps embed  
Expected Results: Embed displays map of California and is responsive to user interaction  
Actual Results: The Google Maps embed works as intended

Test Case: UI displays correctly  
Requirements Covered: Web app looks as intended  
Purpose: To ensure UI looks correct and responds to interactions by user  
Steps Taken: Open website and look at UI.  
Expected Results: UI elements are organized as intended and respond correctly to user interaction  
Actual Results: UI looks how its meant to and bug out with user interaction

Test Case: Input fields accept user input in proper ranges  
Requirements Covered: User can enter dates in the future  
Purpose: To ensure dates in the intended range can be inputted  
Input Test Data: Date before the current day and date in the future  
Steps Taken: Enter a date prior to the current one then past the current one  
Expected Results: User can enter dates in the future, but not in the past  
Actual Results: User can enter dates in the future, but is prevented from choosing from the past

Test Case: Inputted information is sent to the web service  
Requirements Covered: Web app sends input to the web service  
Purpose: To ensure that web app communicates with the web service  
Input Test Data: Date in the future and some random rainfall information  
Steps Taken: Enter a date and rainfall info and look for network action in dev console  
Expected Results: User input data is sent to the web service  
Actual Results: The web service was sent the input data

Test Case: Results are received from web service and displayed on results table  
Requirements Covered: Web app receives output from the web service and can display predictions by location  
Purpose: To ensure that web app communicates with the web service and users can request predictions  
Steps Taken: Input a prediction date and rainfall info and verify predictions are displayed  
Expected Results: Prediction results are received from the web service and displays in the results table  
Actual Results: The predictions are successfully displayed in the results table

Test Case: Google Maps embed displays dynamic heatmaps  
Requirements Covered: Area damages displayed on a map  
Purpose: To ensure fire damage area is visible to users  
Steps Taken: Input a prediction date and rainfall info and interact with Google Maps embed once results are returned  
Expected Results: Predicted fire damage area is visible on Google Maps embed as heatmaps  
Actual Results: The embed updates with heat maps of the predicted fire damage