Modify Wanted Test Plan:

Goal: We want to ensure that the WebApplication is functional at the Minimum Viable Product level and operates similarly to the NCIC warrant database. The WebApplication is still in development phase so there is no base URL to navigate to. The scope of this test will include time allotted for 5 tests: 2 High Level, 2 Low Level, and 1 Smoke/Sanity test.

Tests:

SMOKE/SANITY Test: The purpose of this test is to check and see if each page loads in the various internet browsers. We will be testing using the latest version of 5 different browsers: Internet Explorer, Google Chrome, Mozilla Firefox, Safari, Opera.

Testing Environment will include a copy of the development code on a local machine with Node.js installed as well as each of the 5 browsers being tested and any node module dependencies needed for the development code.

Procedures: Perform these steps for each browser listed above

1. Navigate to System Settings on the Local Machine.
2. Navigate to 'Apps' where you can select and change the default apps for the system
3. Ensure that the default web browser for the local machine is the browser selected for testing.
4. Close System Settings
5. Open a Command Terminal
6. Navigate to the folder containing the development code
7. Execute the 'npm start' command

   Test Postconditions: Exit Criteria is that the Home Page loads and that each link works within the hamburger menu in the top left <u>in each browser</u>

High Level Tests:

User should be able to enter a warrant on the 'Enter Wanted' page: The purpose of this test is to ensure that when all the required fields are filled and submit is clicked a warrant gets generated.

Procedures:

1. Application is running and you are at the Home Page
2. Click the hamburger menu on the top left of the page
3. Click on the 'Enter Wanted' link
4. Enter Values into all the fields on the web form by following the guidelines suggested in the placeholder text.
5. Click 'Submit' Button
   Test Postconditions: A resulting text block should pop up under the 'Submit/Clear' buttons containing a copy of all the random values entered into the fields on step 4

User should be able to clear the form of data: This test is to ensure that a user can clear the form of any data that has been entered

Procedures:

1. Application is running and you are at the Home Page
2. Click the hamburger menu on the top left of the page
3. Click on the 'Enter Wanted' link
4. Enter Values into all the fields on the web form by following the guidelines suggested in the placeholder text.
5. Click 'Submit' Button
6. Click 'Clear' Button
   Test Postconditions: All entered data should be cleared from the entry form, you should not be redirected to any other page. The resulting warrant from step 5 should also be cleared.

Low Level Tests:

User should be only be able to enter an Originating Agency Identifier that is 9 characters long: The required field containing the 'Originating Agency Identifier' length should be equal to 9 numbers. The field should not allow less than 9 characters or more than 9 characters.

Procedures:

1. Application is running and you are at the Home Page
2. Click the hamburger menu on the top left of the page
3. Click on the 'Enter Wanted' link
4. Enter Values into all the fields on the web form by following the guidelines suggested in the placeholder text.
5. In the 'Originating Agency Identifier' Box enter a number that is 8 characters long
6. Click 'Submit' Button
7. Log the Error Message
8. In the 'Originating Agency Identifier' Box enter a number that is 10 characters long
9. Click 'Submit' Button
   Test Postconditions: The webform should have displayed 2 error messages and not created a warrant. Those 2 error messages in the order of the test are:
   - "The "Originating Agency Identifer" field should be 9 characters long"
   - "The "Originating Agency Identifer" field should be 9 characters long"

   The exit criteria is no errors resulting from an entry in the field of 9 characters

User should be able to set the date by clicking on the calendar on the right hand side of the various fields requiring dates: The calendar icon should be clickable and pull up a calendar showing the month, year, and day. When selecting a day the field should populate with the value

Procedures:

1. Application is running and you are at the Home Page
2. Click the hamburger menu on the top left of the page
3. Click on the 'Enter Wanted' link

4. Enter Values into all the fields on the web form by following the guidelines suggested in the placeholder text.
5. In each of the 3 fields requiring a date, click on the calendar icon on the right hand side of the form's box
6. Log any boxes that do not allow the calendar to be clicked
7. Log any boxes that do not populate the value when selecting a day
   Test Postconditions: Exit Criteria for this test is that each of the 3 date value boxes allow the user to click the calendar, select a day, and have that value populate in the field. When submit is clicked the corresponding dates should also appear in the generated warrant.