EPMS Unit Testing

The primary functions of the EMPS are adding, editing, and deleting an employee.

The individual unit test for adding an employee would be completed by attempting incorrect data entry or leaving one or more of the fields blank.

When one or more fields are blank you receive the error:

One or more required fields are empty.

The email field checks for the @ symbol and errors out with this error when not received:

asdf

Please enter an email address.

The SSN or phone number attempt to match them to a format if entered incorrectly:

EID	SSN	First Name	Last Name	Sex	Birth Date	Phone Number	Address	Email
70386	000-00-0000	234	23423	M	2024-04-12	000-000-0000	adad	asdfgasd@ghsdf

All other fields take data as entered.

The test for editing an employee would be to see if a correct field could be changed to an incorrect field or left blank. Since the system simply overwrites the current entry using the same processes as adding the results are the same as adding an employee.

Deleting an employee is only a button click so the only test is clicking the button to ensure the actions respond as intended. The user is prompted with the below message. If they select cancel nothing happens. If they click OK then the user is deleted:

🌐 localhost

Are you sure you want to delete employee "asdf adsf"?

OK   Cancel