SearchFunctionality.feature Step-by-Step Test Flow

Feature Overview

Purpose: Test the search functionality to find specific person records
Type: BDD/Gherkin Test
Test Framework: SpecFlow with Playwright
Expected Duration: ~10-15 seconds

Background Steps (Common Setup)

1. Launch browser and log in as "davred" with password "Reinhart2244".
2. Assert that the main page loads successfully after login.
3. Click on the "Search" link in the navigation menu.
4. Assert that the Search page is loaded and ready for input.

Scenario: Search for a record

Test Steps

1. **Navigate to Search Form**: Verify the Search form is displayed with the Family Name input field.
2. **Enter Search Criteria**: Type "Burch" into the Family Name field.
3. **Execute Search**: Click the "Search" button to perform the search operation.
4. **Verify Search Results**: Assert that exactly one row of data is returned with the following details:
   - **Forename**: "Dorothy"
   - **Family Name**: "Burch"
   - **Gender**: "Female"
   - **Year of Birth**: "1901"

Expected Outcome

- The search should return a single matching record for the specified family name.
- All field values in the result should match the expected data exactly.
- The search functionality should be responsive and return results quickly.

Technical Notes

- **Browser**: Chrome (non-headless mode)
- **Test Data**: Searches for existing record "Dorothy Burch" in the test database
- **Step Definitions**: Located in `StepDefinitions/SearchFunctionalitySteps.cs`
- **Page Objects**: Uses `LoginPage` and `MainPage` classes for browser interactions
- **Assertions**: Uses MSTest Assert methods for validation

Dependencies

- Web application must be running and accessible
- Test database must contain the "Dorothy Burch" record
- Login functionality must be working
- Navigation menu "Search" link must be functional

This BDD test demonstrates the search capability and validates that users can successfully find specific person records using family name criteria.