TC-UC-01

Purpose: Verify History list records each check in sequence

Precondition: Checker is running; history is empty

Test Steps:

 1. warfarin & aspamin
 2. acetaminophen & ibuprofen

Expected Result:

 • History list shows two entries in order:
  – "warfarin & aspamin: Potential interaction detected!"
  – "acetaminophen & ibuprofen: No known interaction detected."

TC-UC-02

Purpose: Verify input validation prevents empty submissions

Precondition: Checker is running

Test Steps:

 1. Leave First drug field empty; enter "aspirin" in Second.
 2. Click Check Interaction.

Expected Result:

 • A popup or inline message reads "Invalid input. Please enter a valid drug name."
 • Focus returns to the first input field.

TC-UC-03

Purpose: Verify history search filters displayed entries

Precondition: Checker is running; at least two checks have been performed and recorded in History

Test Steps:

 1. Perform an interaction check for "warfarin" & "aspamin."
 2. Perform an interaction check for "acetaminophen" & "ibuprofen."
 3. In the History search box, type "warfarin".

Expected Result:

 • The History list shows only the entry "warfarin + aspamin → Potential interaction detected!"
 • The "acetaminophen + ibuprofen" entry is hidden until the search box is cleared.