**Title**: App Scavenger Hunt Check Solution

**Description:** Allows the User to check if the String input or GPS Coordinates match the Current Clue's Clue Solution.

**Pre-conditions:**

* The App is displaying the Scavenger Hunt Screen.

**Post-conditions:**

* The User will be on the Scavenger Hunt Screen and a new Clue’s Description and Optional Picture will be displayed or a message will be displayed informing the User that all Clues have successfully been solved and the System will return to the Main Menu Screen.

**Actors:**

* User
* App

**Main Success Scenario:**

1. User presses the Scavenger Hunt Check Button.
2. App finds that the Current Clue's Clue Solution requires GPS Coordinates.
3. App gathers the users current GPS Coordinates.
4. App determines that current GPS Coordinates are within predefined radius of Solution GPS Coordinates.
5. The System displays the next Clue on the Scavenger Hunt Screen or the ‘successful completion of the Scavenger Hunt’ Message if the current Clue is the final Clue.

**Alternate Flow 1**: //the Clue has a String Solution

2A. The User selects the Text Box.

3A. The System brings User Device’s Keyboard into focus.

4A. The User types the String response and presses ‘Enter’.

5A. The System converts User response to all lower case characters.

6A. The System compares the User response to the Clue’s String Solution.

7A. The System returns to Main Success Scenario Step 5.

**Alternate Flow 2**: //the GPS Coordinates are not within the Radius

4A. The System determines that the current GPS Coordinates are not within the predefined radius of Solution GPS Coordinates.

5A. The System displays an Error Message stating the answer is incorrect and returns to Main Success Scenario Step 1.

**Alternate Flow 3**: //the text does not match the Solution String

2A. The User selects the Text Box.

3A. The System brings User Device’s Keyboard into focus.

4A. The User types the String response and presses ‘Enter’.

5A. The System converts User response to all lower case characters.

6A. The System compares the User response to the Clue’s String Solution.

7A. The System determines that the User response does not match the Solution String for the current Clue.

8A. The System displays an Error Message stating the answer is incorrect and returns to Main Success Scenario Step 1.

**Alternate Flow 3**:

1,2,3A. The System is interrupted by an incoming phone call on the User’s device.

1,2,3B. The System loses focus to incoming call.

1,2,3C. After call terminates, the System regains focus at the step where it lost focus.

*Use case ends*