Manual Testing for Bird Form (new Bird Sighting)

Before every test

1. Open the app and go to the main form.

At this point you are ready to test the form functions

Look of the Bird Form page:

1. The page layout is correct
2. Fields displayed on the page are: Common bird name, Scientific bird name, Notes, Date, Time, Latitude, Longitude, Category, Activity
3. Fields are editable on the page: Common bird name, Scientific bird name, Notes, Category, Activity
4. The camera icon is at the top below the page title
5. The background is the blue gradient background
6. Page is scrollable if it doesn’t all fit on one screen
7. Common bird name has focus when form is originally opened
8. Date value is auto-filled with the date (in format MM/dd/yyyy) the page was opened
9. Time value is auto-filled with the time (in format hh:mm pp) the page was opened
10. Initial value for category is “Nest”
11. Initial value for activity is “Flying”
12. Button at the bottom of the page says “Submit”

Navigation:

1. Verify click on Menu button shows you choices for “Settings” and “Add Activity”
2. Verify click on Camera button takes you to the camera page
3. Verify click on Map button takes you to the map page
4. Verify click on Camera icon on the page below the page title takes you to the camera page
5. Verify click on Back button takes you to the menu page, even after you have taken a picture

Common Name field:

1. Should have focus when form is originally opened
2. Should only allow entry of 55 characters. Any characters after that are disregarded.
3. Enter numeric data and click “Submit” button. Verify that a red exclamation mark is displayed on the Common bird name field and an error message is received “Bird name must be alpha characters only!”
4. Enter non alpha-numeric data and click “Submit” button. Verify that a red exclamation mark is displayed on the Common bird name field and an error message is received “Bird name must be alpha characters only!”
5. Leave Common name field blank. Enter data in the Scientific name field and the Notes field and click the “Submit” button.
   1. Verify that an alert box is displayed with the message “Do you want to submit a sighting without Bird Name?”
   2. Verify that the alert box has options “No” and “Yes”.
   3. Verify that when you click the “No” button that you go back to the bird sighting form, that it has all your initial information and that you don’t receive a message “Your Sighting has been Saved”.
   4. Verify that when you click the “Yes” button that you receive a message “Your Sighting has been Saved”, the phone vibrates, and you now see a blank bird sighting form.

Scientific Name field:

1. Should only allow entry of 55 characters. Any characters after that are disregarded.
2. Enter numeric data and click “Submit” button. Verify that a red exclamation mark is displayed on the Scientific bird name field and an error message is received “Scientific name must be alpha characters only!”
3. Enter non alpha-numeric data and click “Submit” button. Verify that a red exclamation mark is displayed on the Scientific bird name field and an error message is received “Scientific name must be alpha characters only!”
4. Leave Scientific name field blank. Enter data in the Common name field and the Notes field and click the “Submit” button.
   1. Verify that an alert box is displayed with the message “Do you want to submit a sighting without Scientific Name?”
   2. Verify that the alert box has options “No” and “Yes”.
   3. Verify that when you click the “No” button that you go back to the bird sighting form, that it has all your initial information and that you don’t receive a message “Your Sighting has been Saved”
   4. Verify that when you click the “Yes” button that you receive a message “Your Sighting has been Saved”, the phone vibrates, and you now see a blank bird sighting form.

Notes field:

1. Should only allow entry of 255 characters that are alphanumeric or symbols like “!” and “$”. Any characters after that length are disregarded.
2. Leave Notes field blank. Enter data in the Common name field and the Scientific name field and click the “Submit” button.
   1. Verify that an alert box is displayed with the message “Do you want to submit a sighting without Notes?”
   2. Verify that the alert box has options “No” and “Yes”.
   3. Verify that when you click the “No” button that you go back to the bird sighting form, that it has all your initial information and that you don’t receive a message “Your Sighting has been Saved”
   4. Verify that when you click the “Yes” button that you receive a message “Your Sighting has been Saved”, the phone vibrates, and you now see a blank bird sighting form.

Multiple text fields:

1. Enter data in the Common name field. Leave the Scientific name field and the Notes field blank, and then click the “Submit” button.
   1. Verify that an alert box is displayed with the message “Do you want to submit a sighting without Scientific Name or Notes?”

Category spinner:

1. Verify initial value is “Nest”
2. Verify clicking on “Nest” opens the “Select the Desired Category” dialog box with a list of categories.
3. Select “Sighting”
   1. Verify dialog box is closed
   2. Verify “Sighting” shows in the spinner now
   3. Verify category spinner now has focus

Activity spinner:

1. Verify initial value is “Flying”
2. Verify clicking on “Flying” opens the “Select the Observed Activity” dialog box with a list of activities.
3. Select “Hunting”
   1. Verify dialog box is closed
   2. Verify “Hunting” shows in the spinner now
   3. Verify activity spinner now has focus

Latitude and Longitude fields with the device’s GPS turned on:

1. Open this application and click on “Submit A Sighting”.
   1. Verify Latitude and Longitude have values. Catalyst Beaverton office is approximately 45.51363059 and -122.83222389.

Latitude and Longitude fields with the device’s GPS turned off:

1. Open this application and click on “Submit A Sighting”.
   1. Verify Latitude and Longitude have blank values.
   2. Note: this may be an issue if the device stores these values even when GPS is turned off)

GPS Coordinates button:

1. If GPS is turned off,
   1. Verify the coordinates button is red and says “Coordinates not available”.
   2. Verify clicking the coordinates button does not change it
2. If GPS is turned off currently, but I have the coordinates from the GPS being on previously,
   1. Verify the button is red and says “Coordinates are out-of-date”
   2. Click the coordinates button
   3. Verify the button is green and says “Coordinates are up-to-date”
3. If GPS is turned on
   1. Verify the button is red and says “Coordinates are out-of-date”
   2. Click the coordinates button
   3. Verify the button is green and says “Coordinates are up-to-date”
4. If GPS is turned on
   1. Verify the button is red and says “Coordinates are out-of-date”
   2. Click the coordinates button
   3. Verify the button is green and says “Coordinates are up-to-date”
   4. Wait 5 minutes
   5. Verify the button is red and says “Coordinates are out-of-date”

GPS Prompt when GPS is turned off and GPS prompt is turned on:

1. Click on “Submit A Sighting” to open the Bird Sighting Form.
   1. Verify dialog box is displayed “GPS is turned OFF”.
   2. Verify that the alert box has options “No” and “Yes”.
   3. Verify that when you click the “No” button that you go back to the bird sighting form and that you receive a message “Prompting for GPS has been disabled. To reactivate this feature, go to Settings”.
   4. Verify that when you click the “Yes” button that you are sent to the phone’s location services to turn the GPS on

GPS Prompt when GPS is turned off and GPS prompt is turned off:

1. Click on “Submit A Sighting” to open the Bird Sighting Form.
   1. Verify no dialog box is display with “GPS is turned OFF” message.

GPS Prompt when GPS is turned on and GPS prompt is turned off:

1. Click on “Submit A Sighting” to open the Bird Sighting Form.
   1. Verify no dialog box is display with “GPS is turned OFF” message.

GPS Prompt when GPS is turned on and GPS prompt is turned on:

1. Click on “Submit A Sighting” to open the Bird Sighting Form.
   1. Verify no dialog box is display with “GPS is turned OFF” message.

Miscellaneous issues:

1. Open the Bird Form page
2. Turn off the display
3. Turn display back on
   1. Verify app does not crash
   2. Verify Bird Form is displayed correctly
4. Turn device to landscape mod
   1. Verify app does not crash