Audubon

Audubon Background

Audubon focuses on the changes in our natural ecosystems and works to conserve and restore wildlife and their habitats. With the help of people like us, scientific studies can be conducted all over the world to create databases that allow a greater view of the animals and locations in need.

## Udacity AI/ML Product Manager Nanodegree
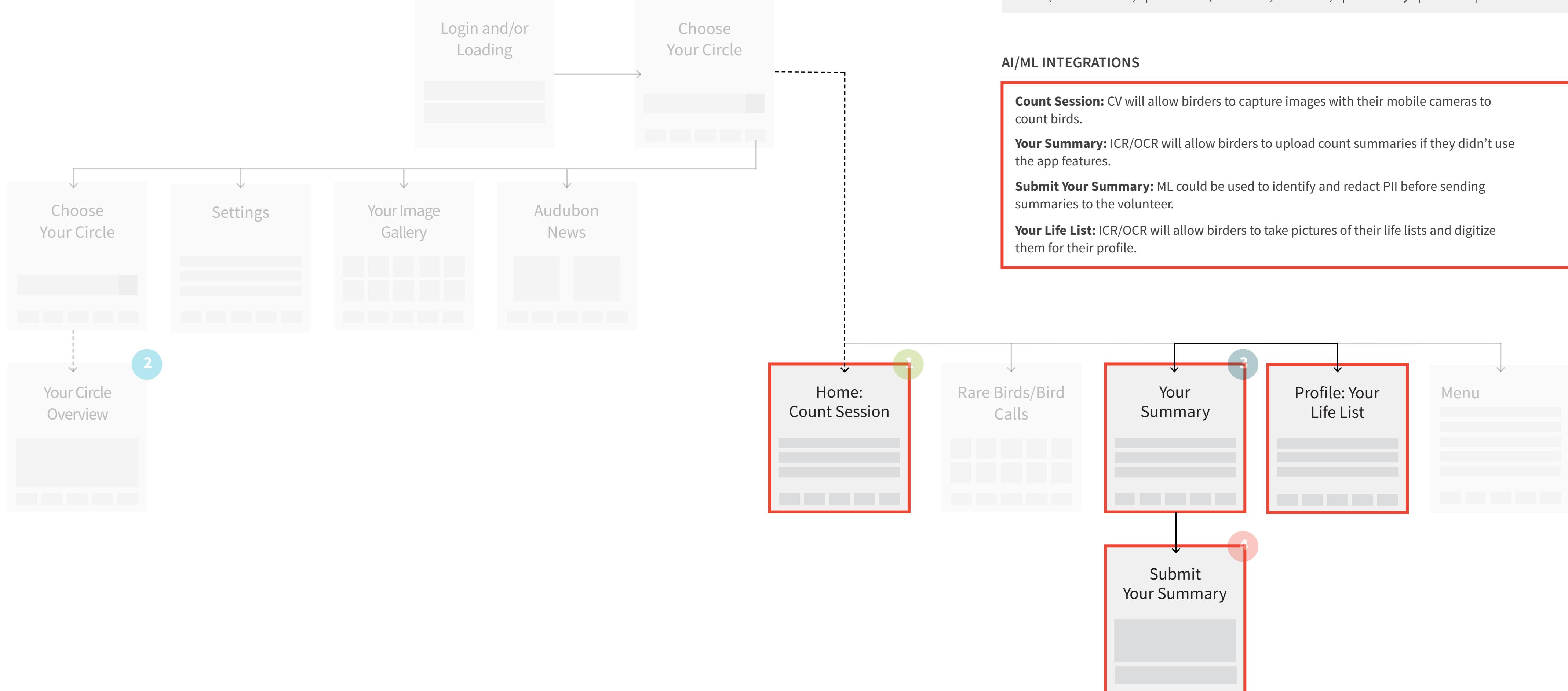
The AI/ML Product Manager capstone project brings together lessons in basic AI/ML principles, creating datasets, training models, measuring impact, and applying those foundations in a business proposal. I've revisited a mobile application concept from 2016 in an effort to improve the designs while also elevating features with AI/ML technology.

Udacity Business Proposal ↗   2016 Mobile App Designs ↗
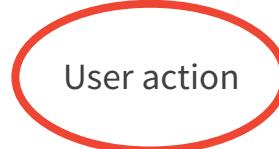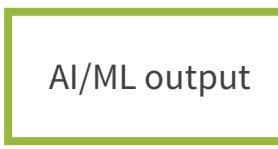
Mobile Application Site Map

2020 Sitemap

AI/ML INTEGRATIONS

Count Session: CV will allow birders to capture images with their mobile cameras to count birds.

Your Summary: ICR/OCR will allow birders to upload count summaries if they didn't use the app features.

Submit Your Summary: ML could be used to identify and redact PII before sending summaries to the volunteer.

Your Life List: ICR/OCR will allow birders to take pictures of their life lists and digitize them for their profile.

Login and/or Loading

Choose Your Circle

Choose Your Circle

Settings

Your Image Gallery

Audubon News

Your Circle Overview — 2

Home: Count Session — 1

Rare Birds/Bird Calls

Your Summary — 3

Profile: Your Life List

Menu

Submit Your Summary — 4

AI/ML Happy Path Workflows

# Happy path workflows

LEGEND   (User action)   [AI/ML output]

ICR/OCR for Handwritten Lists
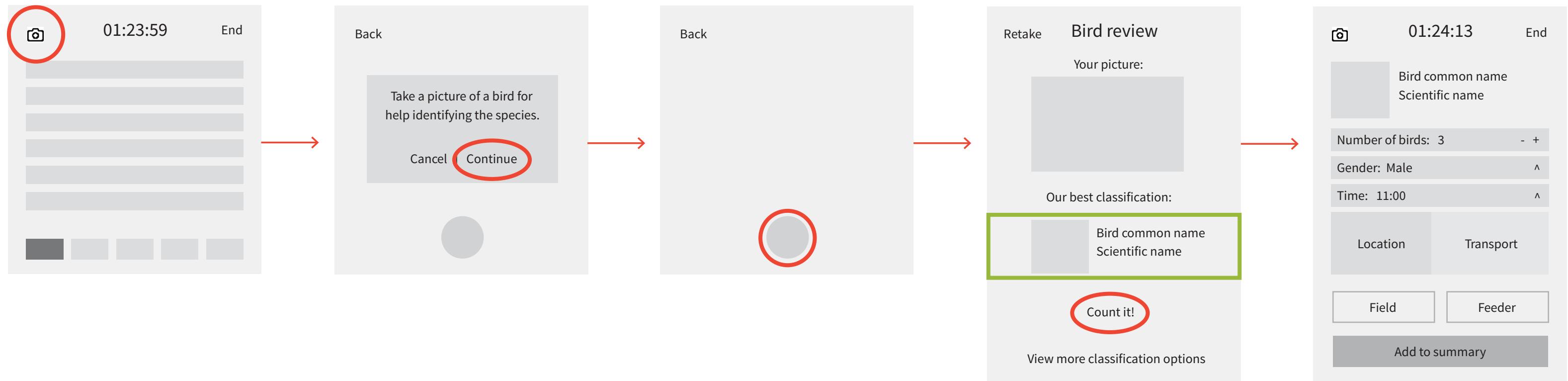
Your Life List: ICR/OCR will allow birders to take pictures of their life lists and digitize them for their profile.

Your Summary: ICR/OCR will allow birders to upload count summaries if they didn't use the app features.

📷 Life list

Back

Take a picture of your written life list and we'll upload it to your profile.

Cancel   Continue

Back

Retake   Review   Upload

Edit
Edit
Edit
Edit
Edit
Edit
Edit
Edit

📷 Life list
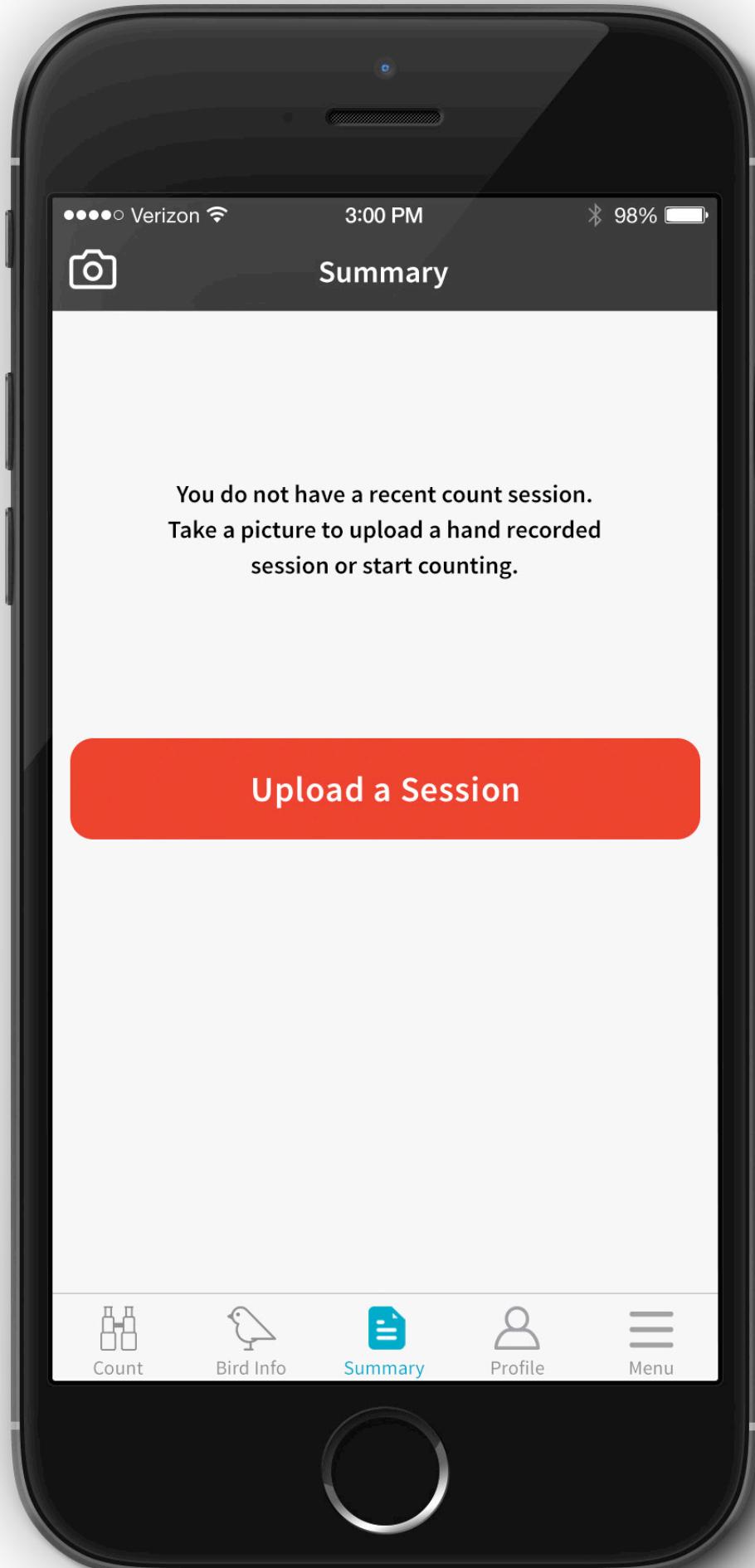
CV for Count Sessions

CV will allow birders to capture images with their mobile cameras to count birds.

📷 01:23:59   End

Back

Take a picture of a bird for help identifying the species.

Cancel   Continue

Back

Retake   Bird review

Your picture:

Our best classification:

Bird common name
Scientific name

Count it!

View more classification options

📷 01:24:13   End

Bird common name
Scientific name

Number of birds: 3   - +
Gender: Male   ^
Time: 11:00   ^

Location   Transport

Field   Feeder

Add to summary

AI/ML Mobile Application Screens
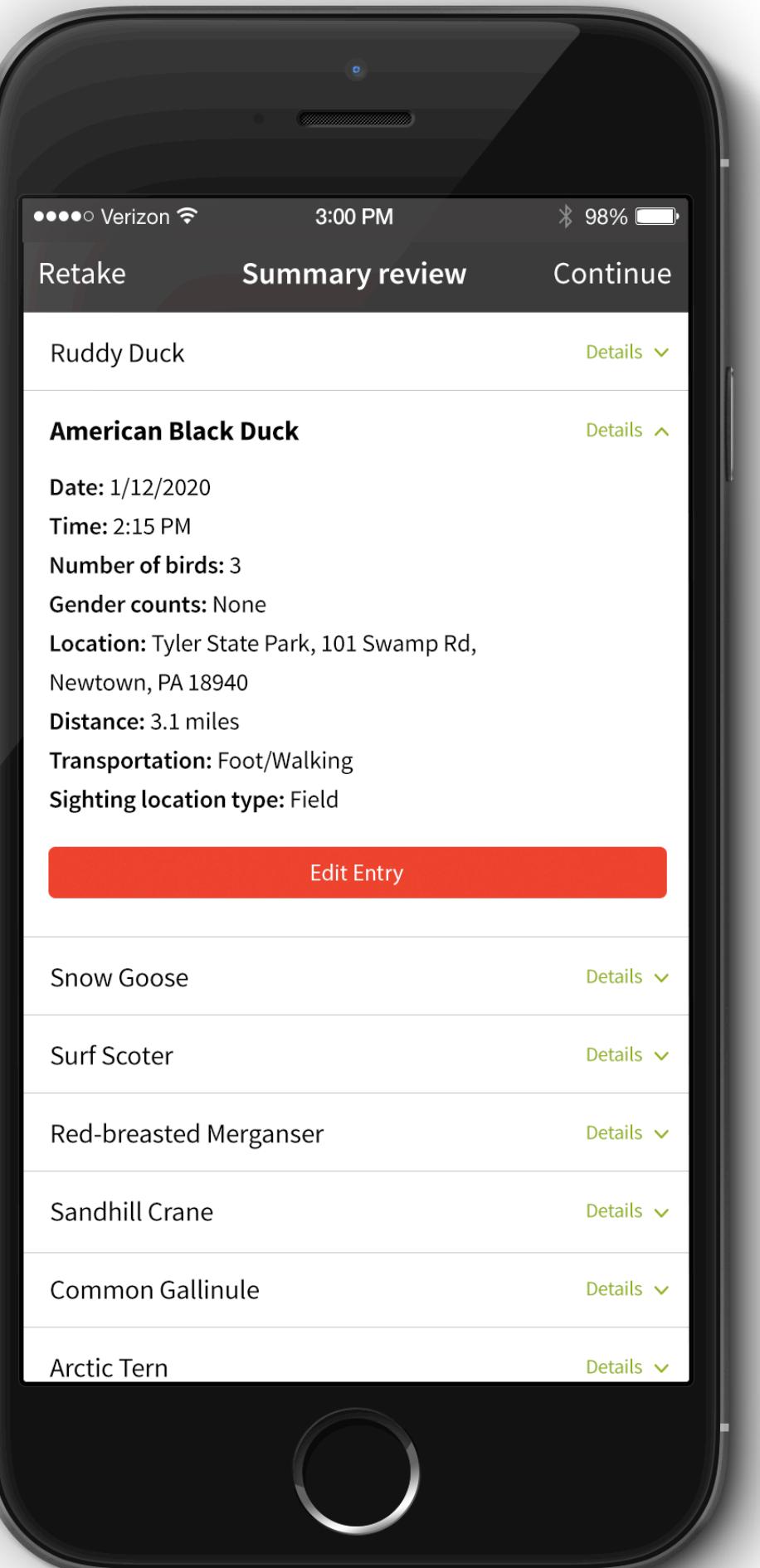
Summary submission screens
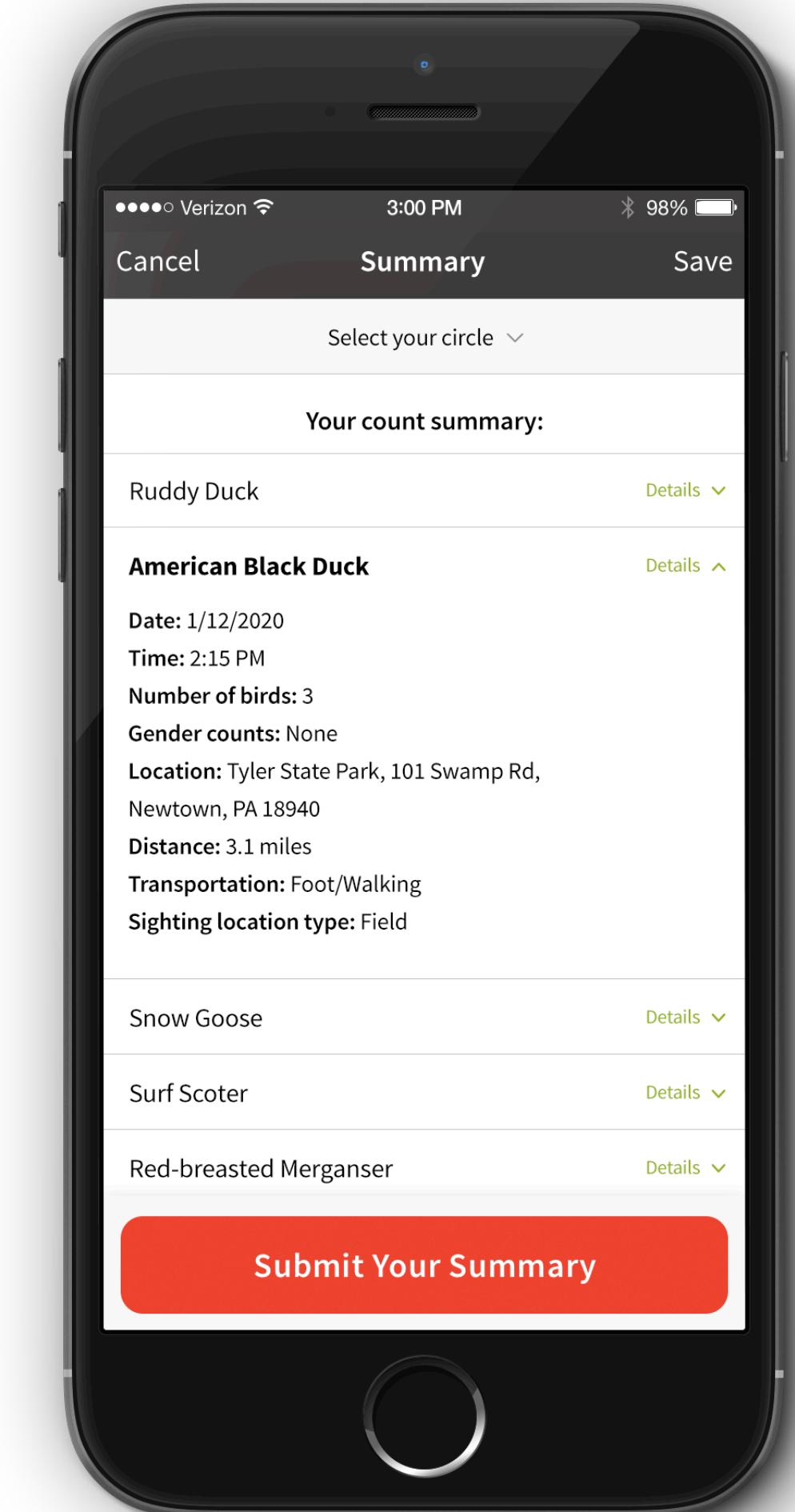
Summary landing

ICR/OCR image capture review
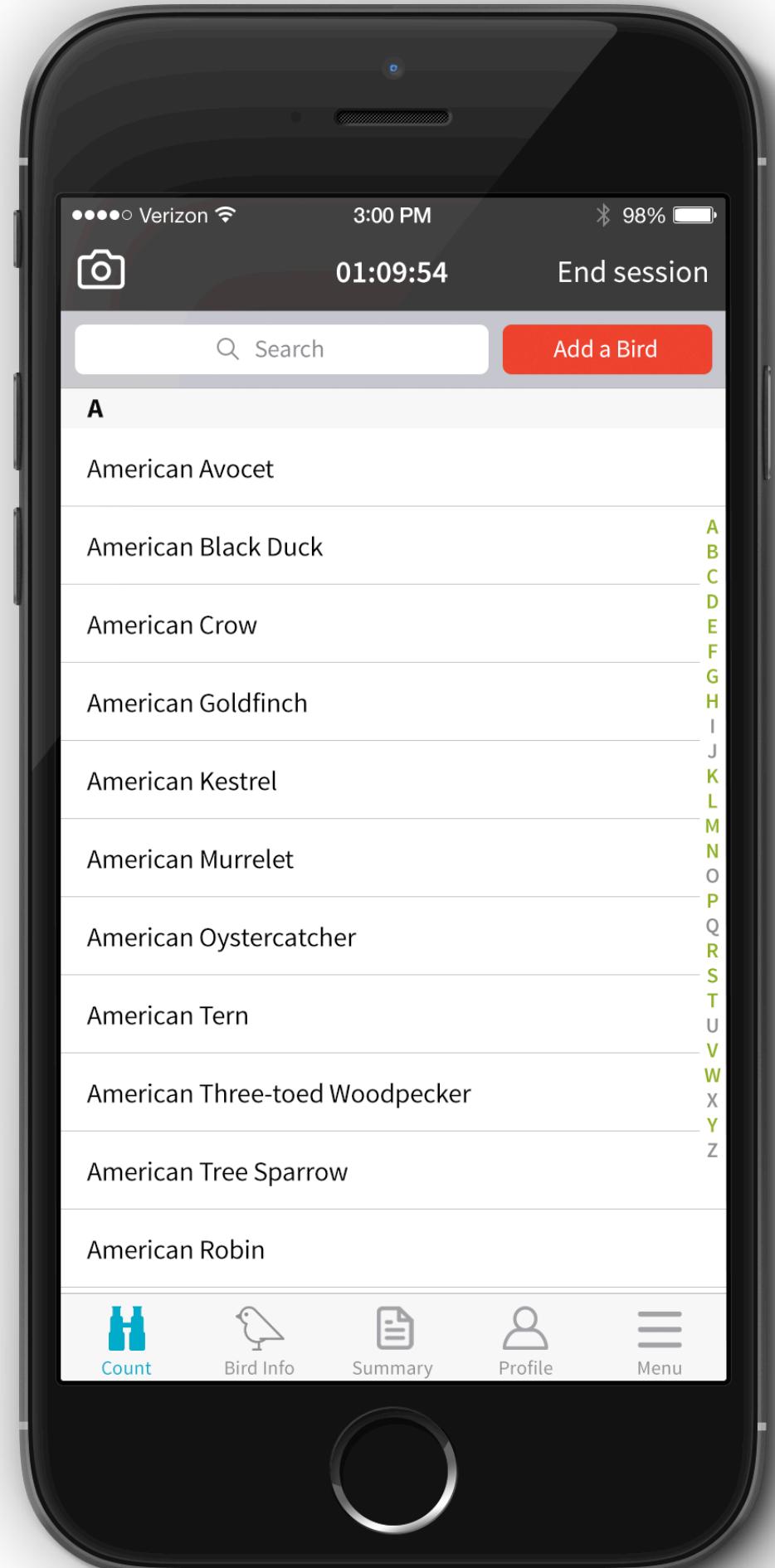
Summary submission overview
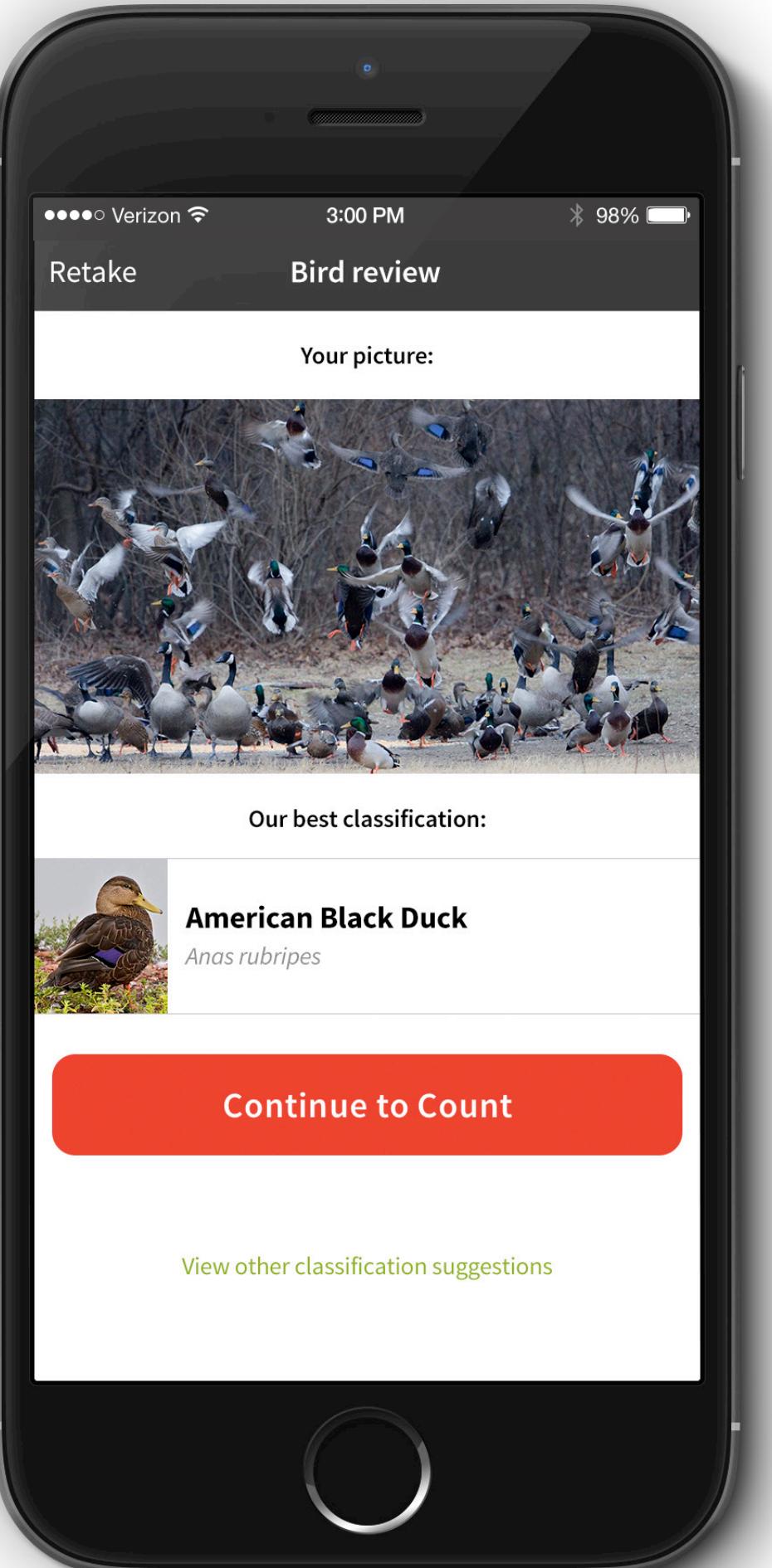
Count session screens

Count session landing

Count session landing

📷 01:09:54 End session

🔍 Search | Add a Bird

A

American Avocet

American Black Duck

American Crow

American Goldfinch

American Kestrel

American Murrelet

American Oystercatcher

American Tern

American Three-toed Woodpecker

American Tree Sparrow

American Robin

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Count | Bird Info | Summary | Profile | Menu
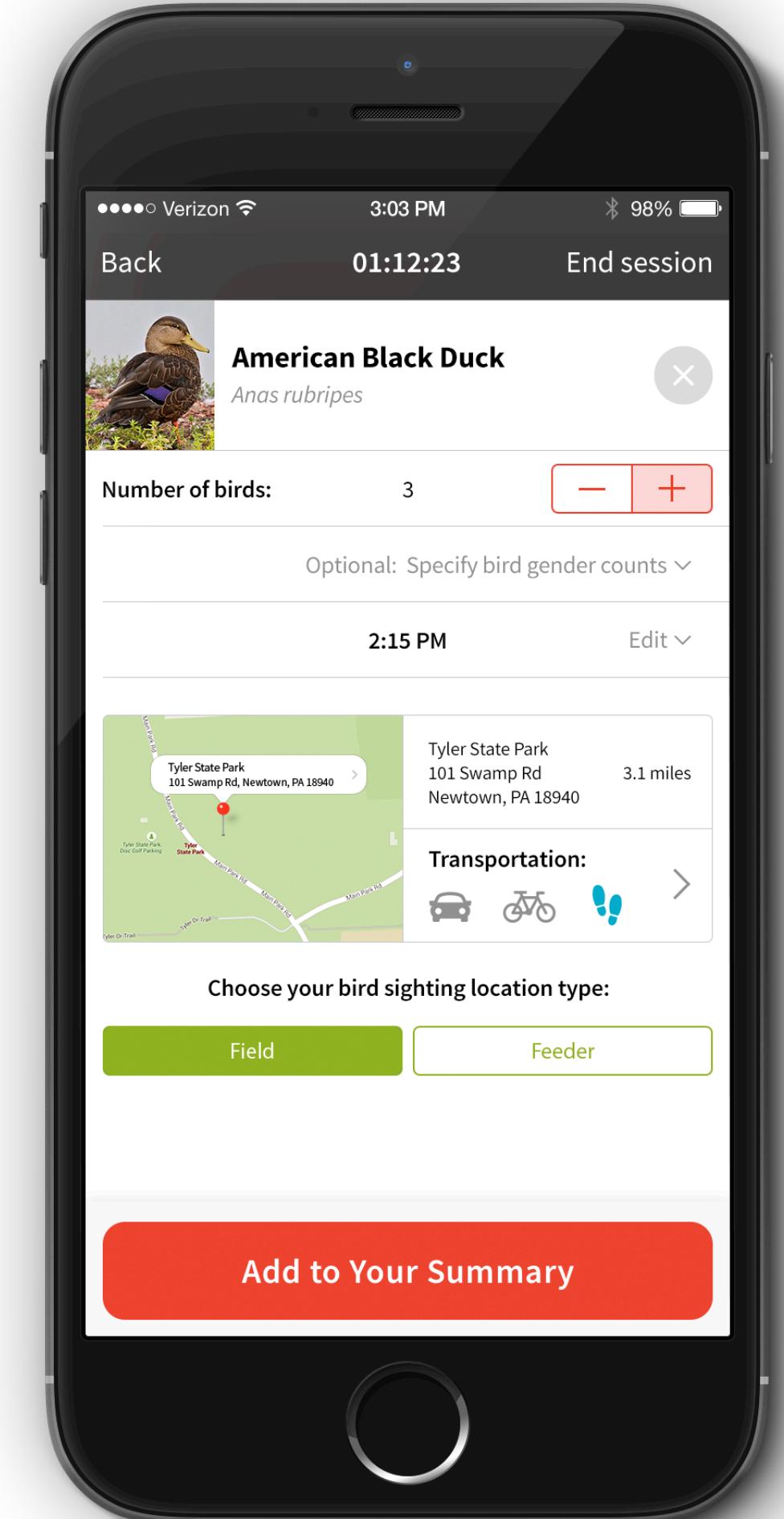
CV image capture classification review

📷 Verizon 3:00 PM 98%

Retake **Bird review**

Your picture:

Our best classification:

American Black Duck
Anas rubripes

Continue to Count

View other classification suggestions

Bird count detail input

📷 Verizon 3:03 PM 98%

Back 01:12:23 End session

American Black Duck
Anas rubripes ✕

Number of birds: 3 − +

Optional: Specify bird gender counts ⌄

2:15 PM Edit ⌄

Tyler State Park
101 Swamp Rd
Newtown, PA 18940 3.1 miles

Transportation:
🚗 🚲 👣 ›

Choose your bird sighting location type:

Field | Feeder

Add to Your Summary

Photography citations

Black Duck 1. Ohio. ODNR Division of Wildlife. https://wildlife.ohiodnr.gov/portals/wildlife/Species%20and%20Habitats/

Species%20Guide%20Index/Images/photogallery/blackduck1.jpg. 27 February 2020.

Biziaux-Scherson, Sandrine. Digital image. Audubon. N.p., n.d. Web. http://www.audubon.org/sites/default/files/styles/

featured_frontpage/public/sfw_apa_2016_a1_2618_3_vermilion-flycatcher_sandrine_biziaux-scherson_0.jpg?itok=Mokamhnz.

23 May 2016.

Maneno, Andy. American Black Duck. Digital image. Cabela's. N.p., n.d. Web. 29 May 2016.