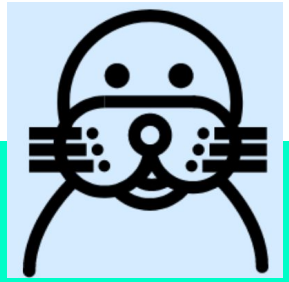
Save our species(SOS)



Helping marine organizations be more prepared for animal strandings

Who are we - image of us at the beach

Maya Apotheker

Azizkhuja Asomiddinov

Harrison Fox

Ashley Pauley

Pavel Yakovlev

Natalie Wilson

PROBLEM

Currently, the system is reporting strandings through hotlines

Issues with this are:

- Inaccurate location being relayed
- Phone line being busy
- Human misinterpretation of information

Project Goal

iOS app that streamlines the process

Demo - What we were able to do

Screenshots of app/gifs of app

Figma designs

Slack

Complications and Challenges

- No experience working with Swift or iOS development
- Many unknown bugs and errors that took days to figure out
- We could only work in DSC at certain hours
- Apple Developer account and Firebase database Cost

Achievements

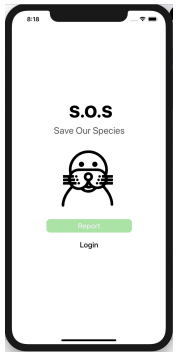
- Creating a multi-component app
- Productive time management
- Clear communication and collaboration
- Learned new material and new language

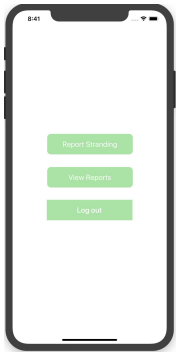
Scrum Process and teamwork

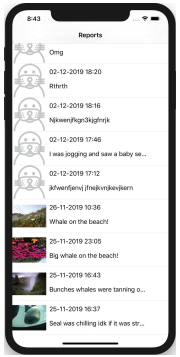
1 hour meetings 3 times a week (usually met 2-4 times a week to pair program)

Emphasize communication: Slack had 551 messages, averaging 10 messages a day (texting had another 300+)

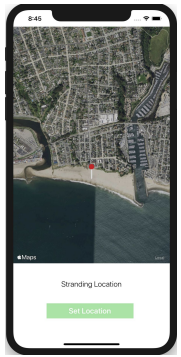
Structure


8:18
S.O.S
Save Our Species
Report
Login


8:41
Report Stranding
View Reports
Log out


8:43
Reports
Omg
02-12-2019 18:20
Rthrth
02-12-2019 18:16
Njkwenfjkgn3kjgfnrjk
02-12-2019 17:46
I was jogging and saw a baby se...
02-12-2019 17:12
jkfwenfjenvj jfnejkvnjkevjkern
26-11-2019 10:36
Whale on the beach!
25-11-2019 23:05
Big whale on the beach!
25-11-2019 16:43
Bunches whales were tanning o...
25-11-2019 16:37
Seal was chilling idk if it was str...

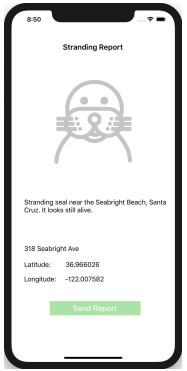
8:43
Reports
25-11-2019 16:37
Description
Seal was chilling idk if it was stranded
Location
1 Stockton St
Get Directions

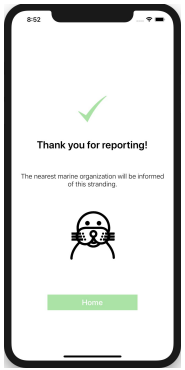

8:45
Maps
Stranding Location
Set Location

8:46
Please describe the location, time you saw the animal, description of the animal (size, color, spots), and if the animal is dead or alive.
Add Description to Report
Done

8:48
Please describe the location, time you saw the animal, description of the animal (size, color, spots), and if the animal is dead or alive.
Stranding seal near the Seabright Beach, Santa Cruz. It looks still alive.
Add Description to Report
Done

8:49
Add a Picture
Click the image below to open camera
Add Photo to Report

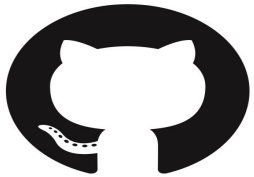

8:50
Stranding Report
Stranding seal near the Seabright Beach, Santa Cruz. It looks still alive.
318 Seabright Ave
Latitude: 36.966026
Longitude: -122.007582
Send Report


8:52
Thank you for reporting!
The nearest marine organization will be informed of this stranding.
Home

Technologies - He doesnt want tech soup like this

Jira: Project management

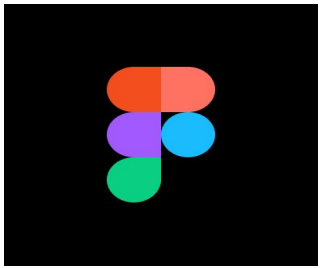
Firebase: Database



Github: Collaborative version control

Slack: Communication

Figma: Wireframe Design



Xcode: IDE

Moving forward

Notifications: Live notifications for organizations when stranding report comes in

Data visualization: Able to see all stranding reports on map

Camera: Able to add photo to report

Stranding status: Organization able to notify if they are on the way

Things we Enjoyed

- Working with friends on something very cool
- Coding jams

Things we didn't enjoy

- Underestimating our tasks and ending up staying late
- Thanksgiving break (should have not happened)
-

Thank you