

# CAT scan

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# Our Team



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# 01

## Introduction

Why we created this app...

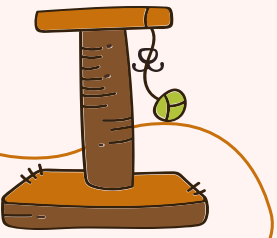




# Purpose

*Why we made this:*

- **CAT Scan** helps users instantly identify cat breeds through photo uploads.
- Provides info on breed traits, health risks, and care tips.
- Promotes early awareness of health issues.
- Encourages more informed and responsible pet ownership.
- Turns every cat photo into a chance to learn and connect.





# 02

## App UI

How it looks...

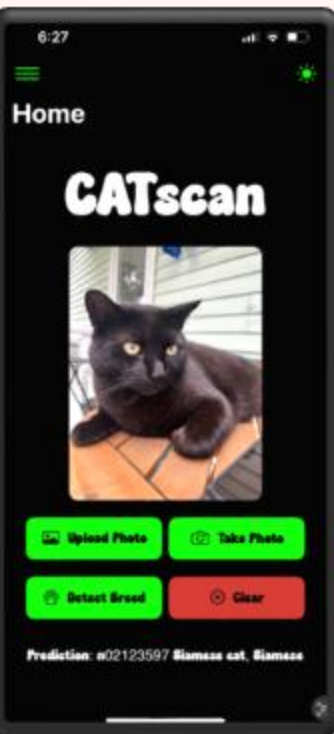




# Mobile App Setup



Light mode



Dark mode



Dark mode

# Mobile App Setup

**Button:** Settings tab

**Subtitle:** Page name

**Sun Icon:** Toggle between light and dark mode

**Title:** App name

**Screen:** Photo Display

**Button:** Upload Photo from camera roll

**Button:** Take a photo using your camera

**Button:** Detect the breed in the photo

**Button:** Clear the photo



# Navigation Bar

Dark mode

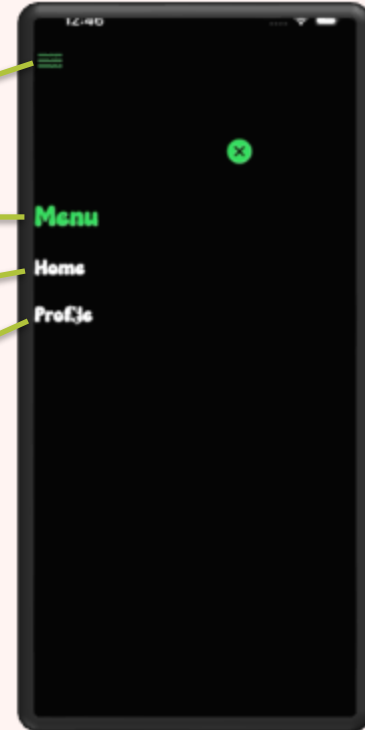


**Button:** Home tab

**Subtitle:** Page name

**Button:** Home button

**Button:** Profile view





Dark mode

# Mobile App Setup

**Button:** Settings tab

Profile

Menu

Home

Profile

**Button:** Home tab

**Subtitle:** Page name

**Text:** Cat name

**Button:** renaming button



**Picture:** Profile view

Catman

**User:** Username

Saved Breeds

Name: Prince  
Breed: Persian Cat

**Text:** Detected breed



**Screen:** Photo display

Rename Delete

**Button:** Saved cat deletion





# 03

## Dataset

Cat Distribution System



# Cat Breeds



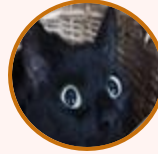
Abyssinian



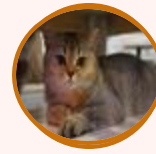
Bengal



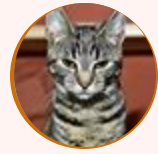
Birman



Bombay



British Shorthair



Egyptian Mau



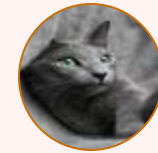
Maine Coon



Persian



Ragdoll



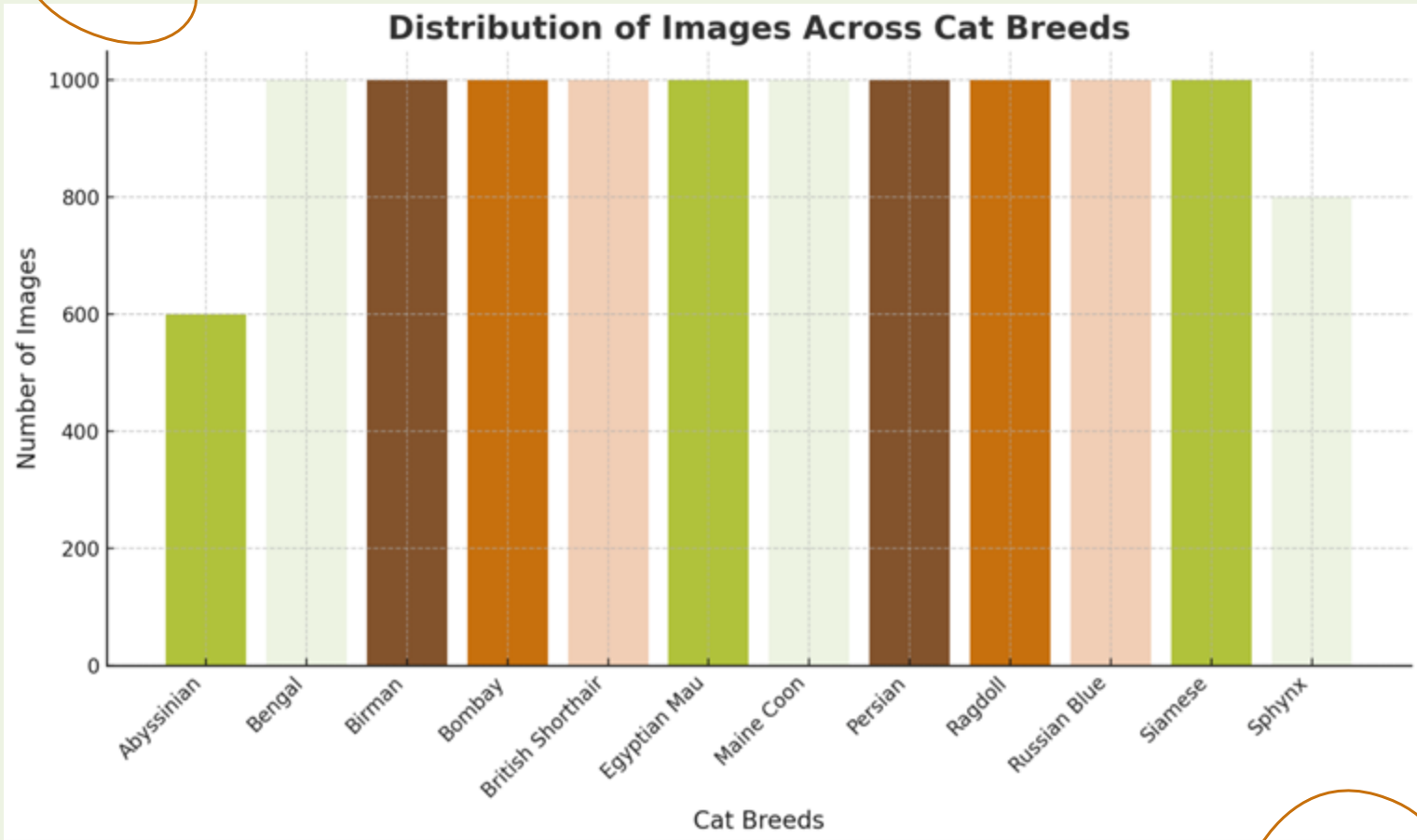
Russian Blue



Siamese



Sphynx





# 03

## Evaluation Metrics



# Three metrics we chose:



## Accuracy

measures the proportion of correctly identified cat breeds out of all predictions made by the model.



## Precision

measures the proportion of correct predictions for a specific breed out of all predictions made for that breed.



## Recall

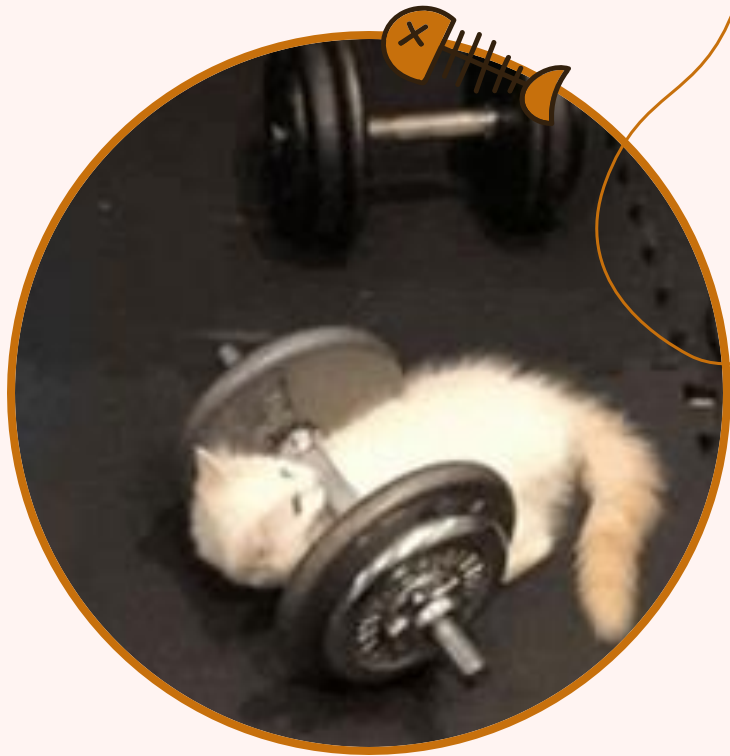
measures the proportion of actual instances of a breed correctly identified by the AI model.



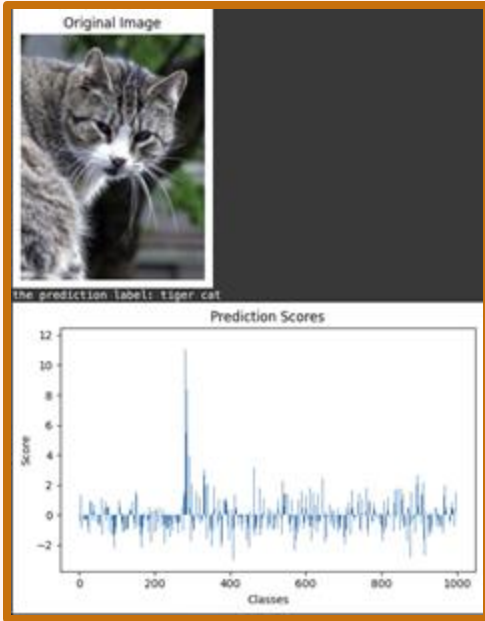


# 04

## Training Method



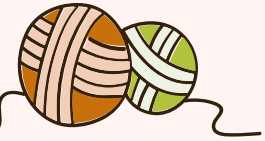
# Custom Method



*Results*

The process of using a model to estimate or predict outcomes:

- A. Load
- B. Prep
- C. Classify
- D. Print







05

App Output





Dark mode

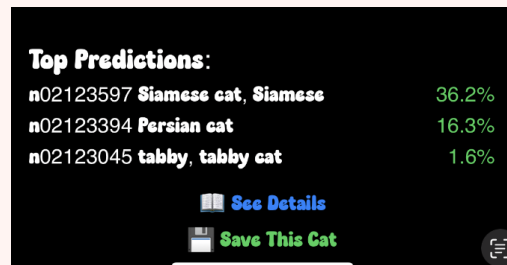
# Scanning...





Dark mode

# Prediction Update:



Dark mode

# Video Demo:





Dark mode

# Pebble's results...





# THANKS!

Do you have any questions?

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