



ANIMALIA EXPLORER



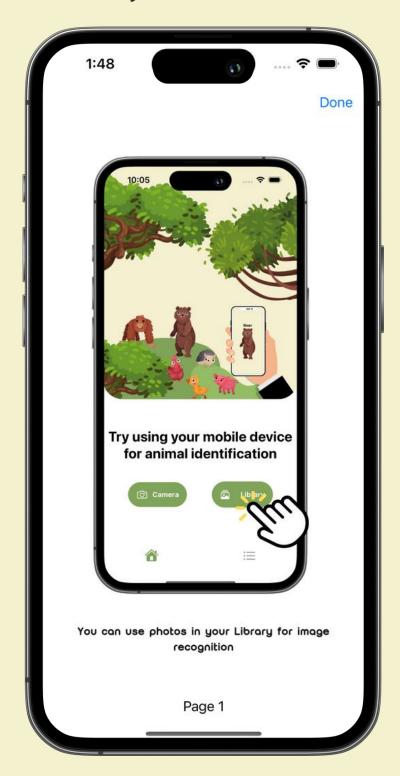
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Demo

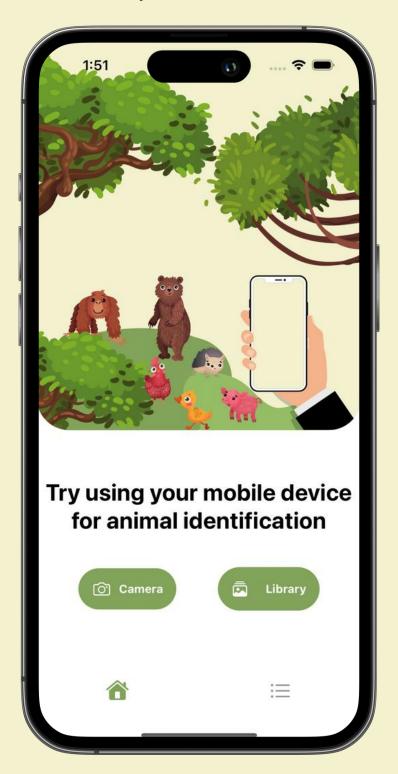


Our Views

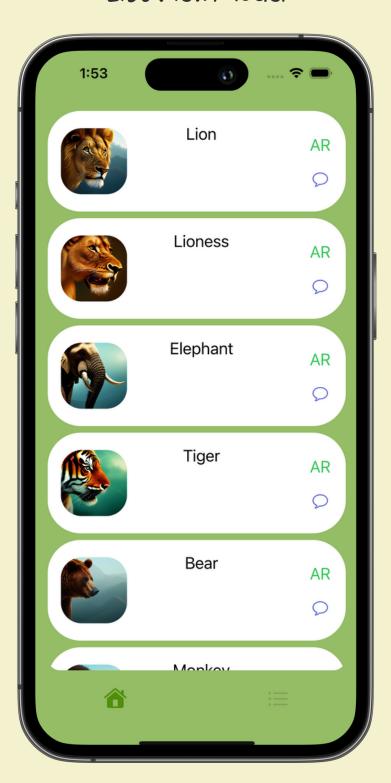
NavigationViewModel



MLRecognitionViewModel

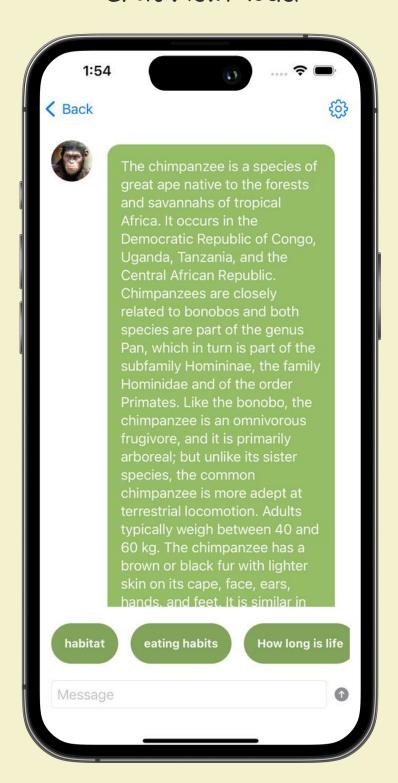


ListViewModel

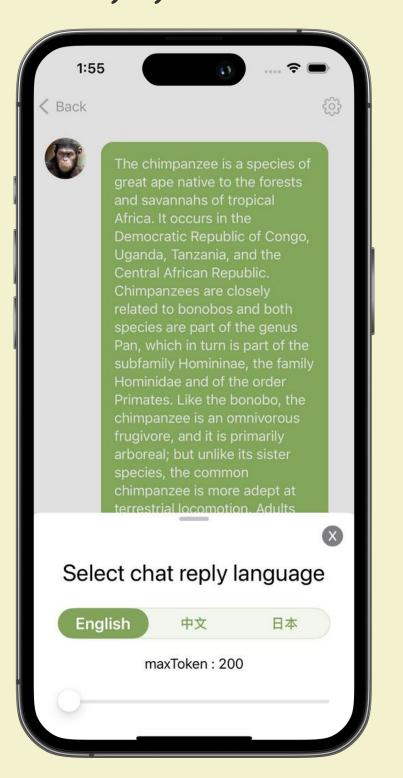


Our Views

ChatViewModel



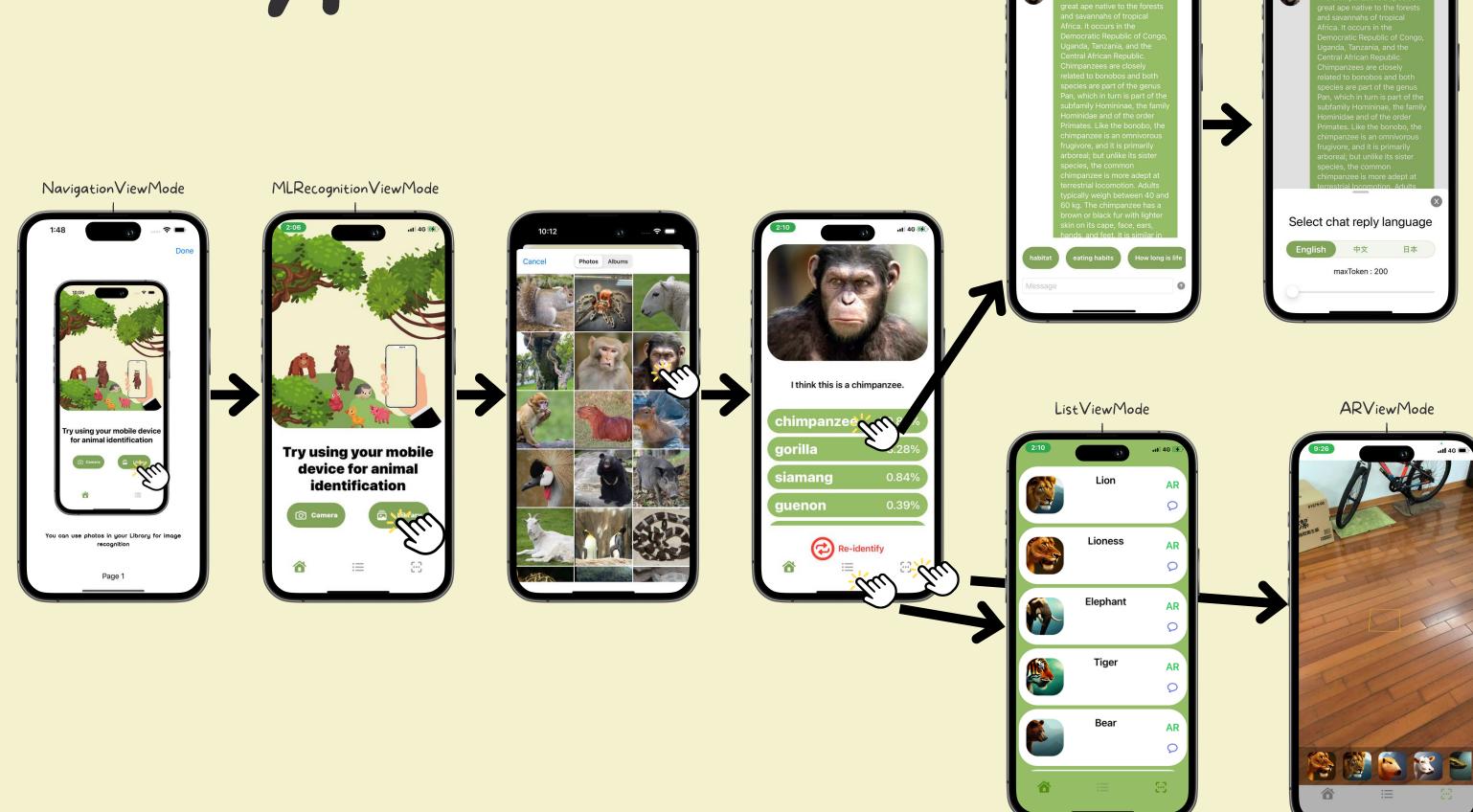
LanguageViewModel



ARViewModel

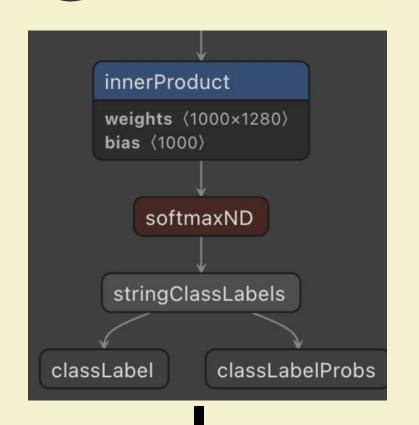


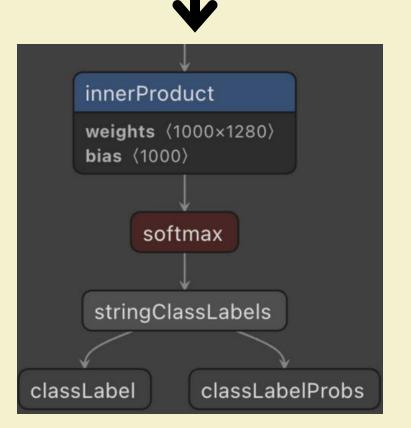
Prototype

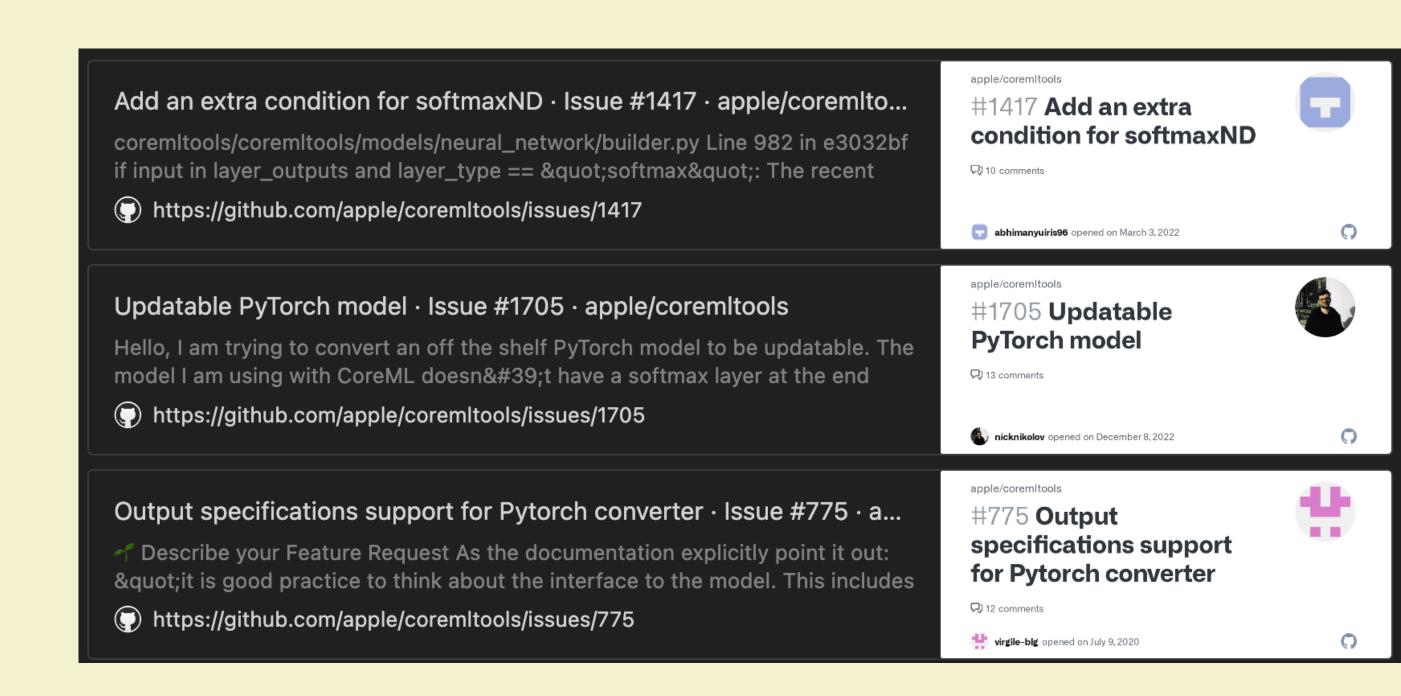


LanguageViewMode

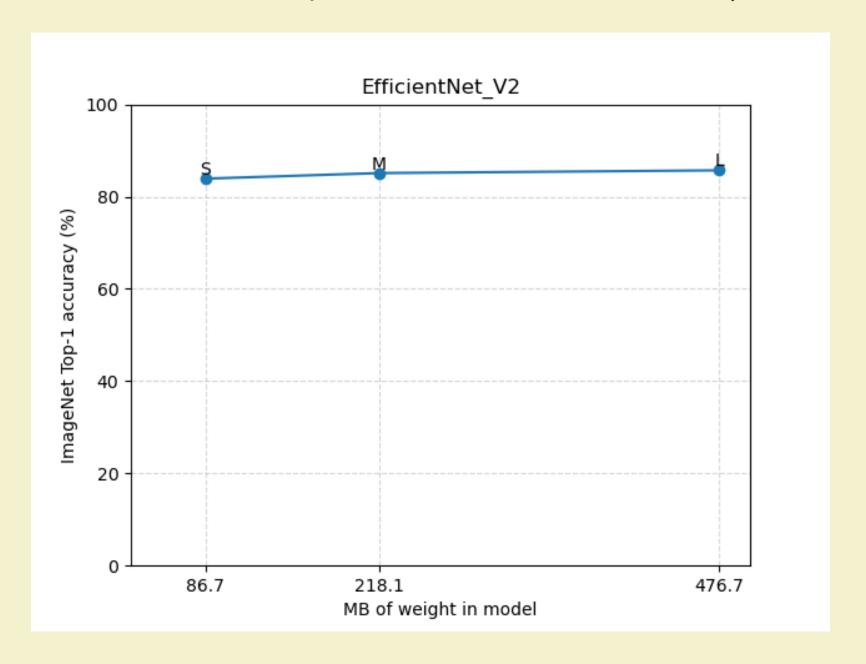
ChatViewMode

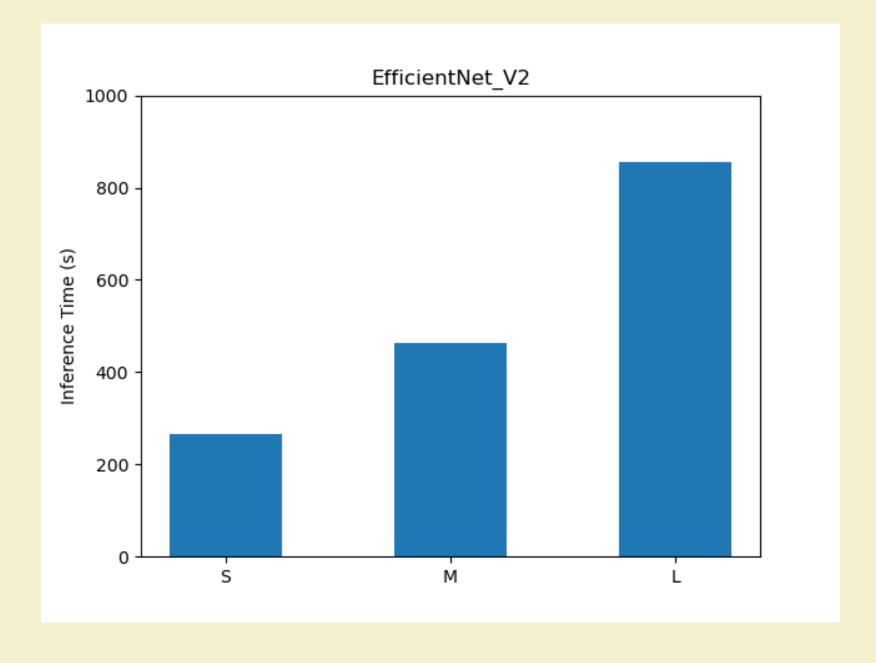




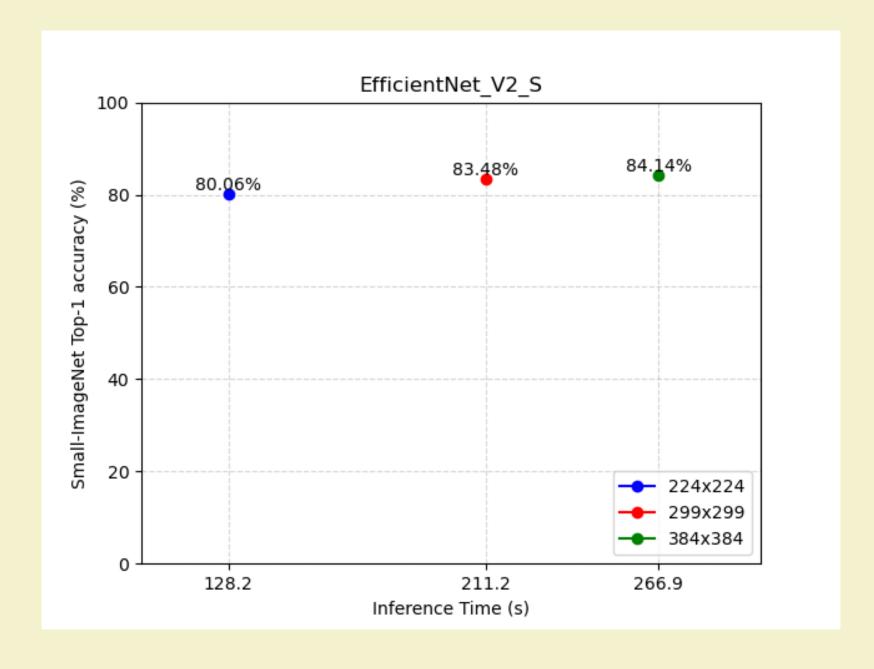


Compare the differences among different EfficientNetV2 models (S, M, L) in terms of ImageNet Top-I accuracy and model size

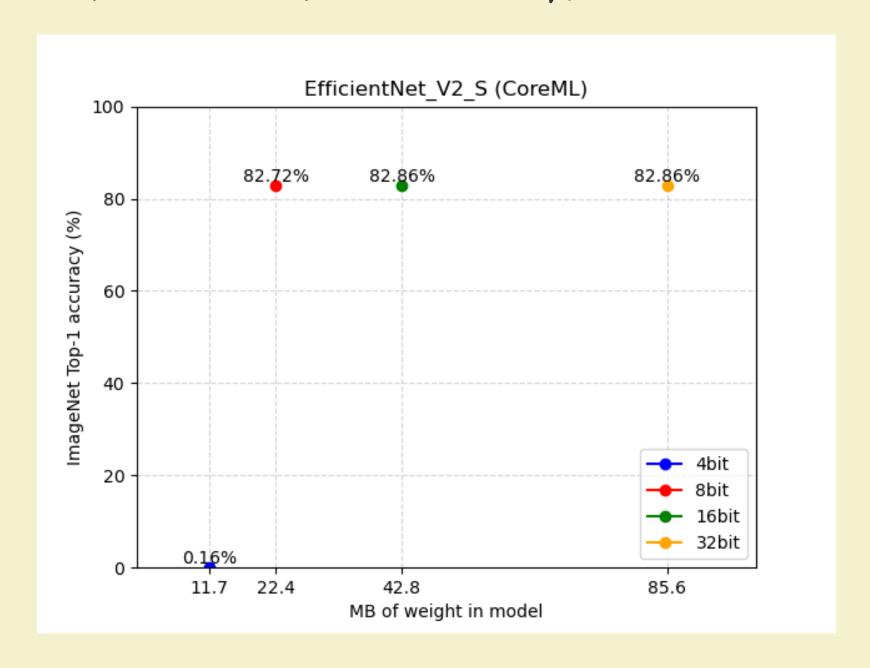


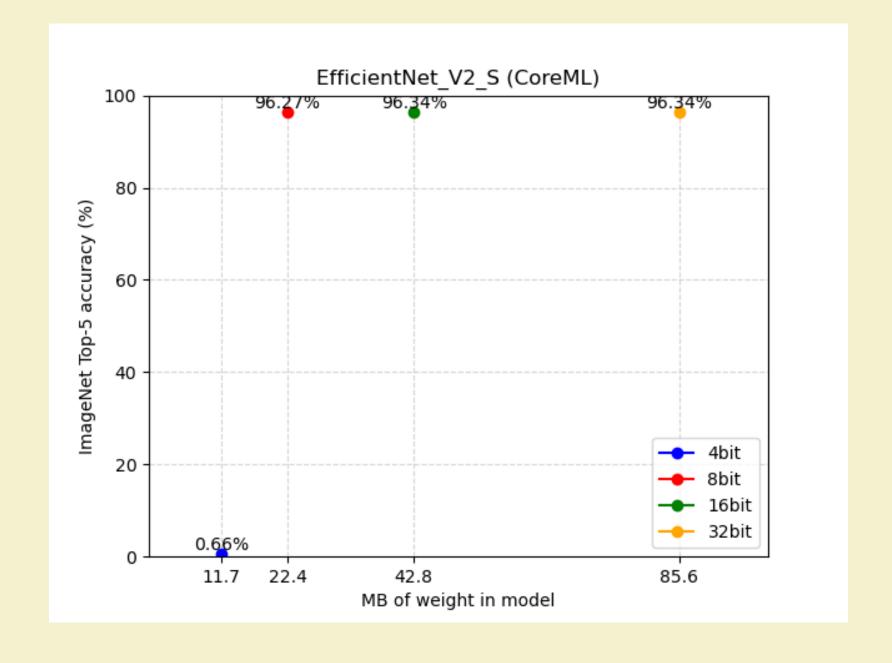


Compare the Small-ImageNet Top-I accuracy and inference time of different input image sizes in EfficientNetV2_S

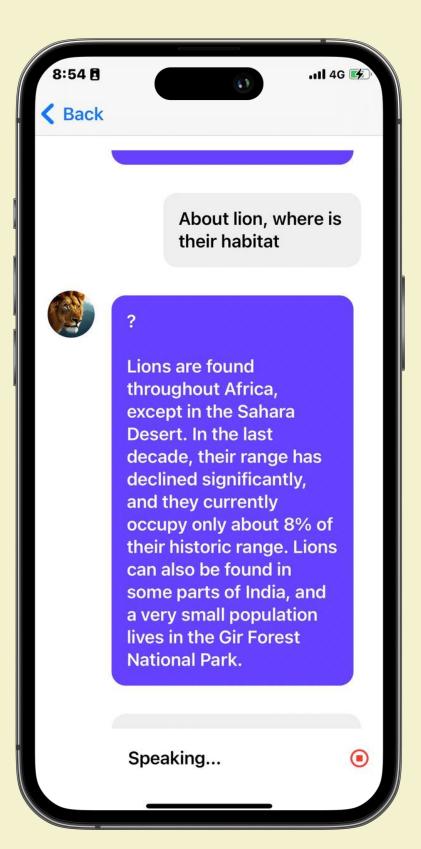


Compare the quantized accuracy and model size of EfficientNetV2_S (ImageNet Top-I and Top-5 accuracy)





OpenAl issues



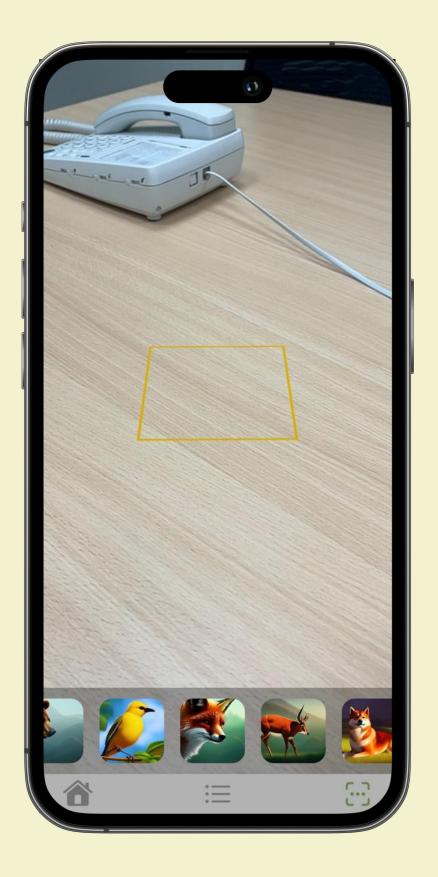
```
models.append("\(text)")
let chatMessage = "About animal \(animal) \(text)
    reply me in \(replyLanguage)"

viewModel.send(text: chatMessage, maxTokens:
    token) { response in
    DispatchQueue.main.async {
```

ARKit issues



FocusEntity



ARKit issues

swift, load model function can't play animation but load function I can play

let me=try! ModelEntity.load(named: filename)
 print("count is \((me.availableAnimations.count)")

https://stackoverflow.com/questions/70864045/swift-load-model-function-cant-play-animation-but-load-function-...





let modelEntity = try! ModelEntity.loadModel(named: filename)



let modelEntity = try! ModelEntity.load(named: filename)

ARKit issues



Future outlook

• Incorporating additional animal recognition models to accommodate different environments.

· Adding depth estimation in augmented reality.

• Enhanced UI design with a more polished and visually appealing interface.

Reference

MLRecognitionViewModel

- https://www.appcoda.com.tw/coreml-introduction/
- https://www.appcoda.com.tw/swiftui-camera-photo-library/
- https://coremltools.readme.io/docs
- https://pytorch.org/

LanguageViewModel

https://github.com/pratikg29/Custom-SegmentView?ref=iosexample.com/

ChatViewModel

https://www.youtube.com/watch?v=9DjbQpbQVFo&t=777s&ab_channel=iOSAcademy

ARViewModel

- https://sketchfab.com/feed
- https://github.com/maxxfrazer/FocusEntity
- https://www.patreon.com/posts/60599655

Demo

