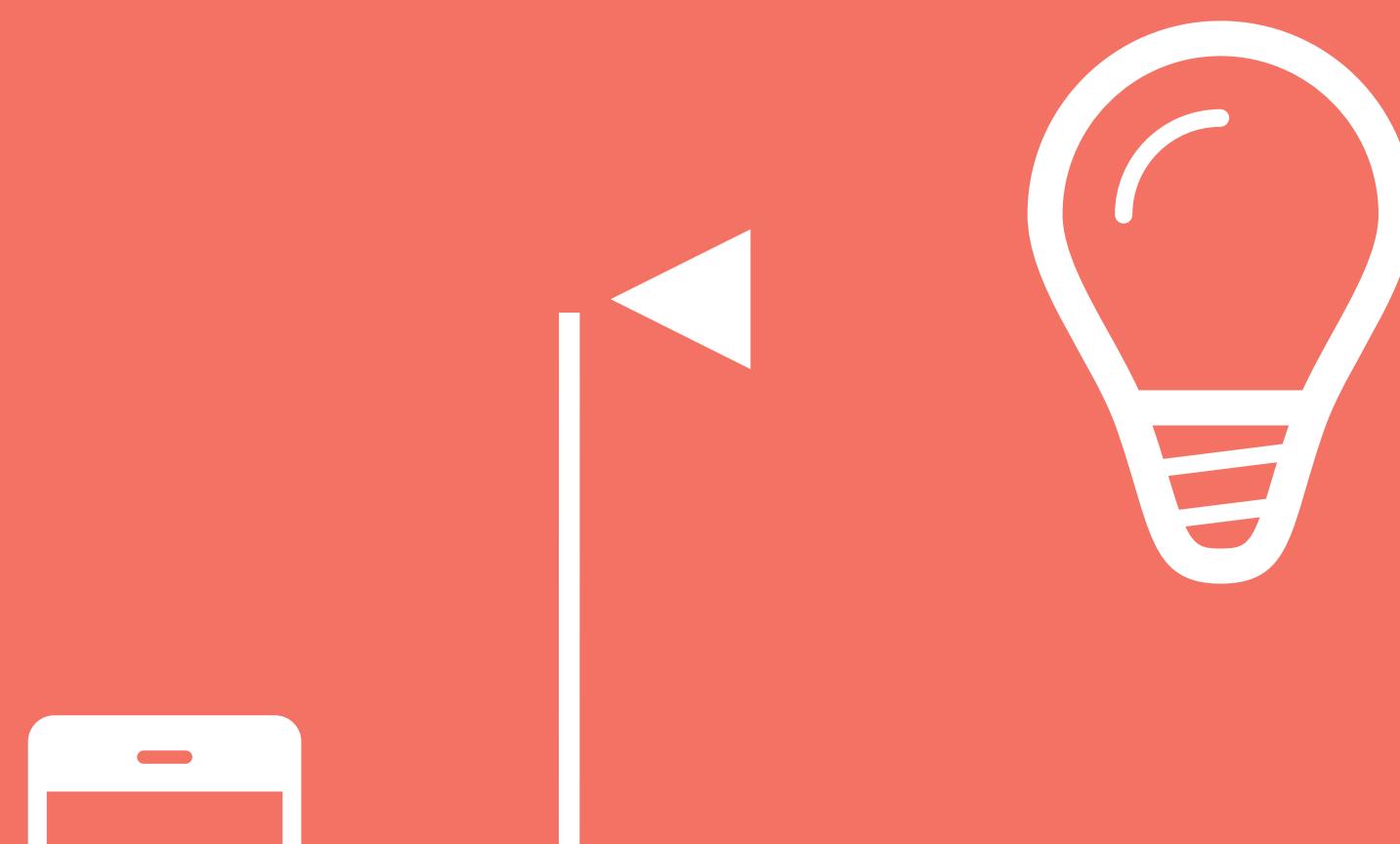


Temas

Diseño de interfaces

- Diseño practico
- Paleta de colores
- Diseño responsive

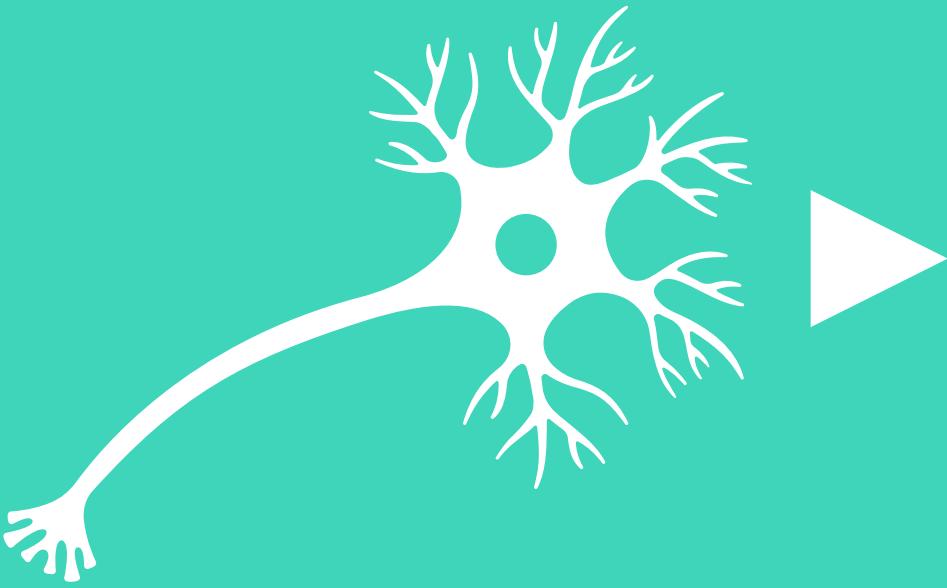


Básicos

- Introducción a Swift
- De C++ a Swift
- Clases
- Particularidades

Machine Learning

- Eligiendo un dataset
- CoreML
- Modelos de predicción
- Elección del imageset
- Modelos en imágenes
- Entrenamiento e implementación del modelo
- Audioset

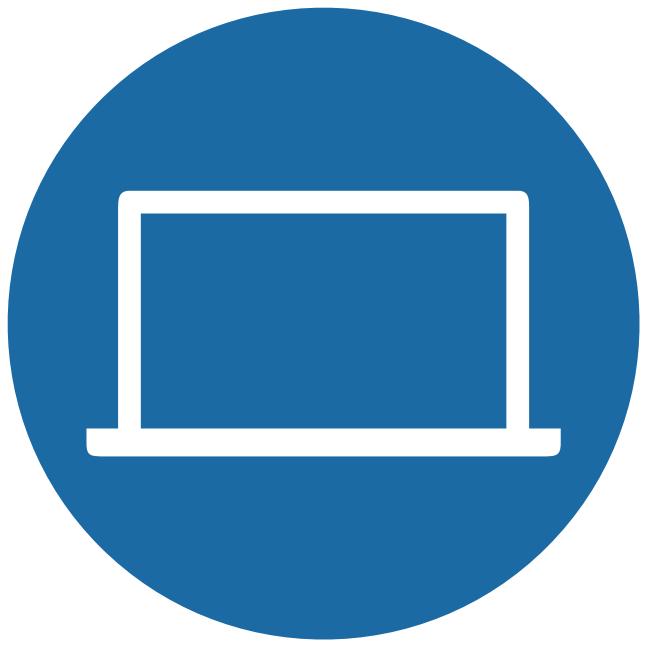


API's web

- Comprendiendo las API
- Respuestas JSON
- Formateo de datos
- Manejo de errores de red
- Del modelo a la vista



Requisitos iniciales



MacBook

- MacBook 2015
- MacBook Pro Mid 2012
- MacBook Air Mid 2012



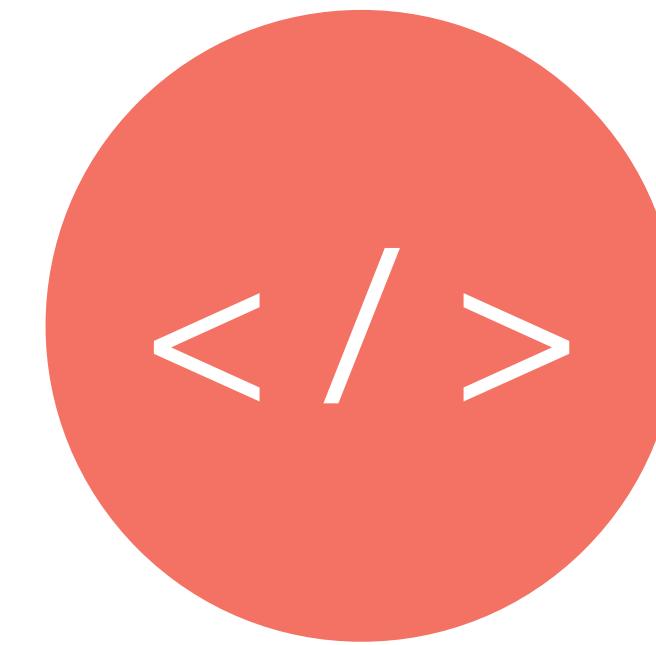
iOS

- iPhone 6
- iPad Air



macOS

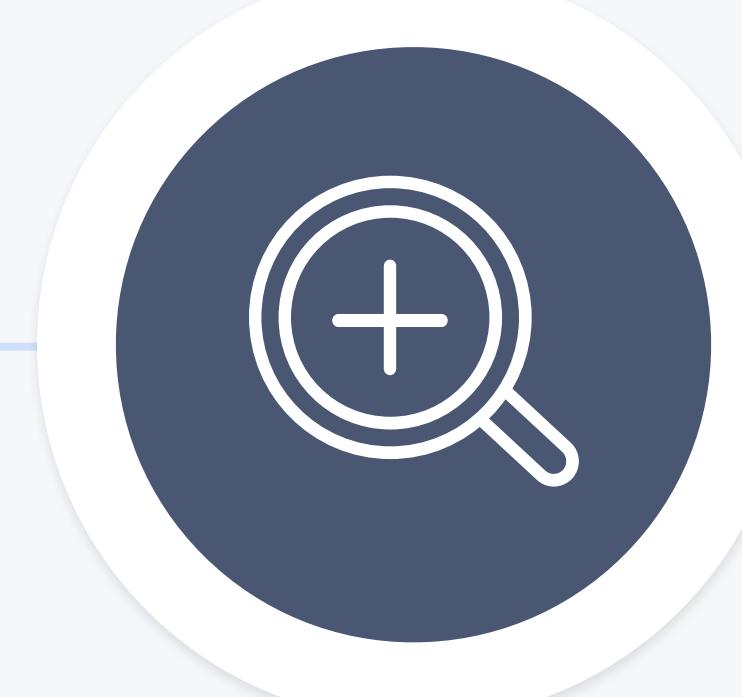
macOS Mojave
10.14.2



Developer Account

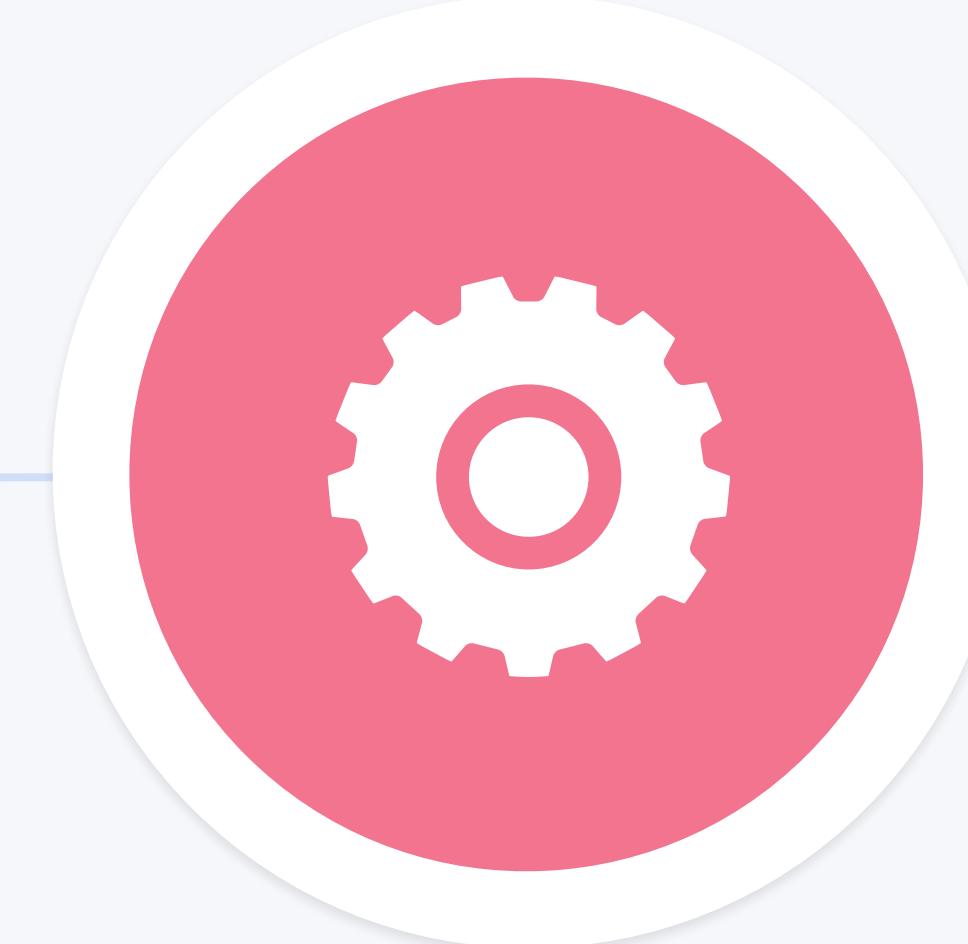
Cuenta de desarrollo activa de Apple

macOS en PC



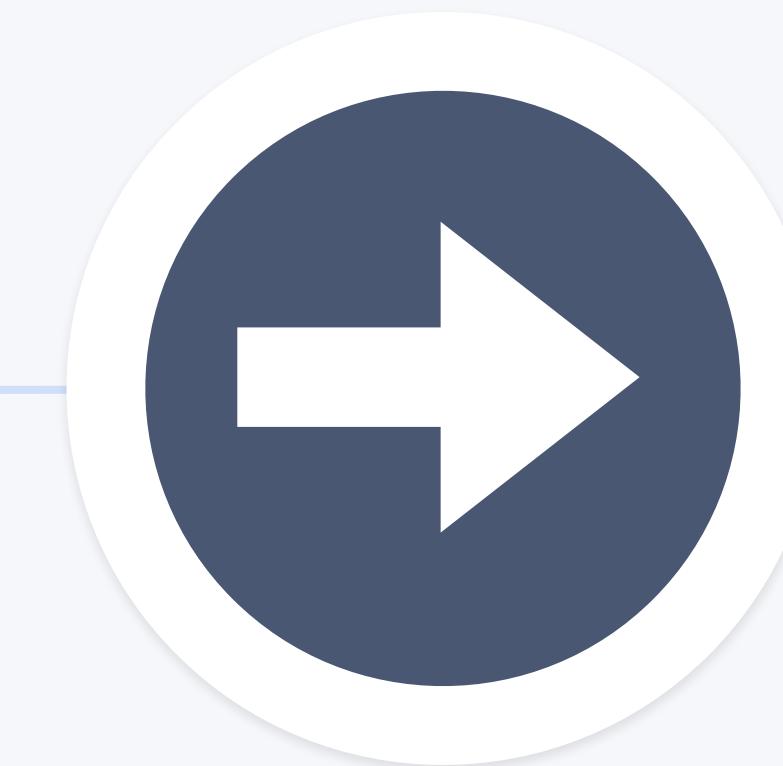
Revisión de hardware

Elegir el método de instalación según el hardware disponible



Instalación

Crear el medio de instalación, comprobar si arranca el instalador, particionar e instalar el sistema



Post-Install

Agregar los controladores faltantes, arreglar fallos y descargar software de desarrollo

Proyectos



Interfaces

Diseño de una aplicación de música que evolucionará con web scrapping



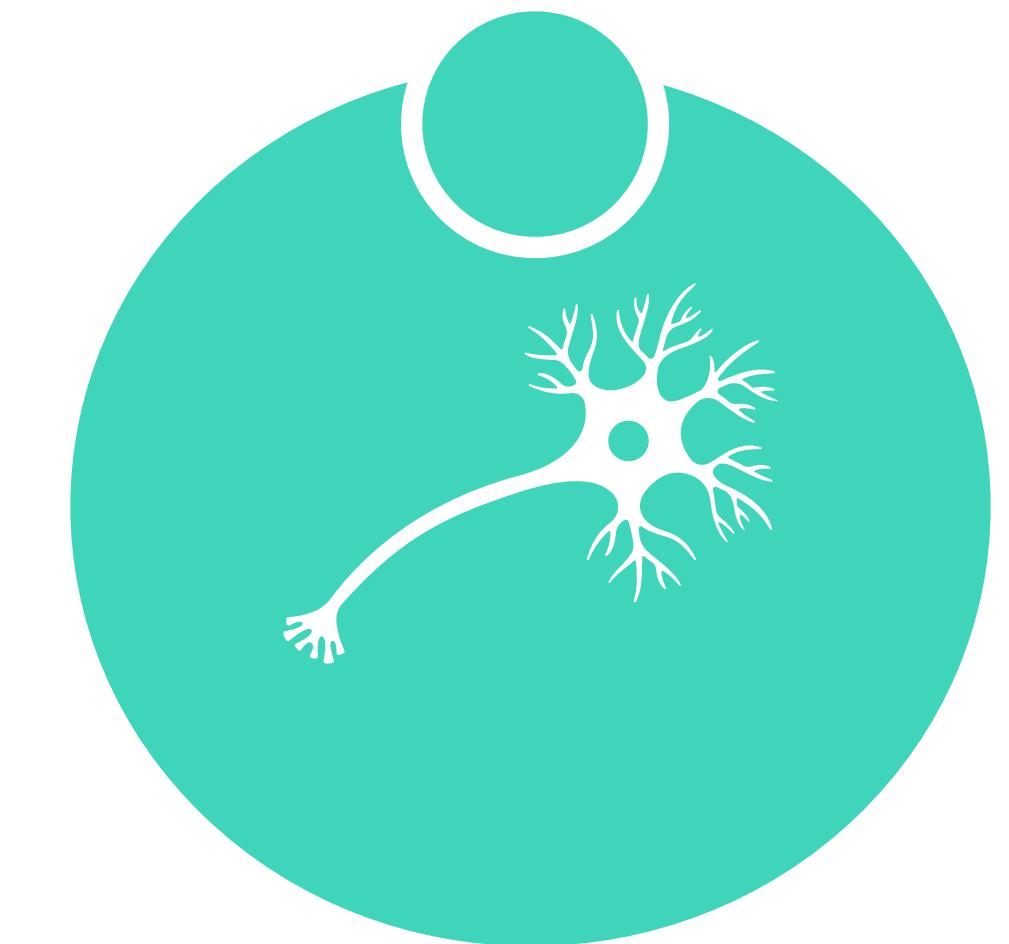
Machine Learning

Aplicación capaz de determinar el precio de venta de casas con un dataset de 100 mil datos.
Aplicación capaz de detectar el objeto frente a ella con una foto



Scraping

Obteniendo datos directamente desde páginas web sin API's



```
#include <iostream>

int main() {
    std::cout<<“Hello World”<<std::endl;
    return 0;
}
```

```
print("Hello World")
```

```
Vector<int> numberArray = {1, 2, 3, 4};
```

```
var numberArray = [1, 2, 3, 4]
```

```
#include <bits/stdc++.h>
using namespace std;

// An interval has start time and end time
struct Interval {
    int start, end;
};

// Compares two intervals according to staring times.
bool compareInterval(Interval i1, Interval i2)
{
    return (i1.start < i2.start);
}

int main()
{
    vector<Interval> v { { 6, 8 }, { 1, 9 }, { 2, 4 }, { 4, 7 } };

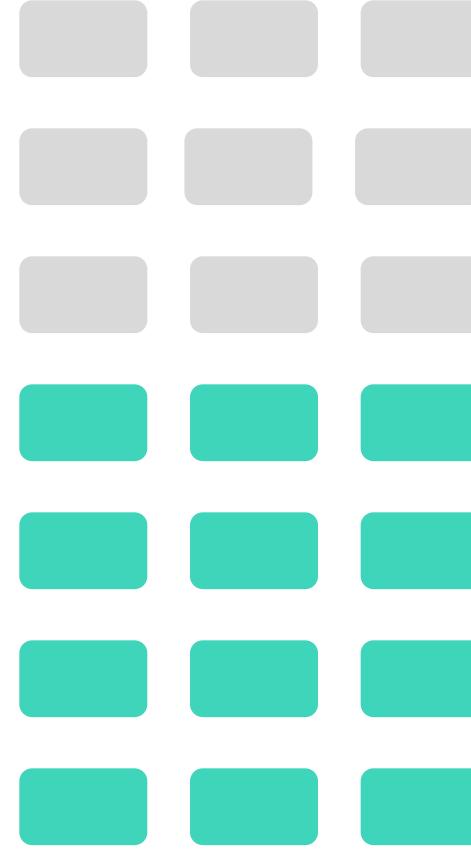
    // sort the intervals in increasing order of
    // start time
    sort(v.begin(), v.end(), compareInterval);

    cout << "Intervals sorted by start time : \n";
    for (auto x : v)
        cout << "[" << x.start << ", " << x.end << "] ";

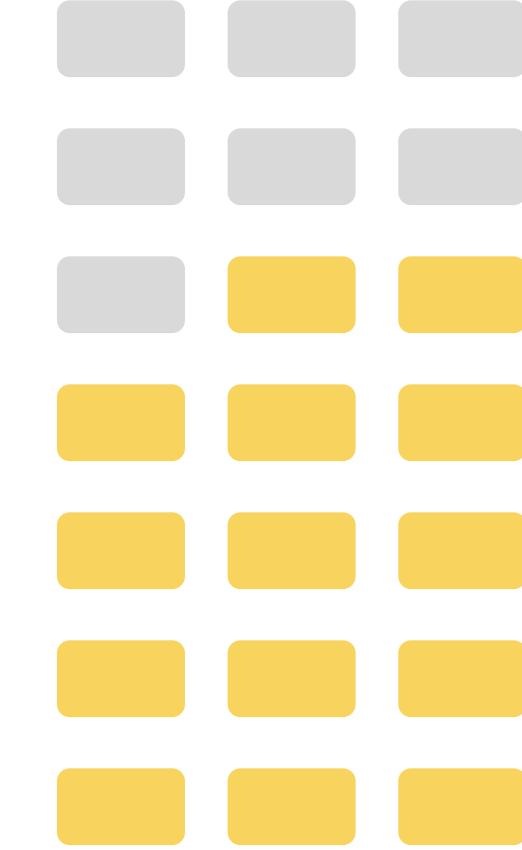
    return 0;
}
```

```
struct Interval {  
    var start: Int  
    var end: Int  
}  
  
var v = [[6,8], [1,9], [2,4], [4,7]]  
  
v.sorted(by: { $0 < $1 })  
  
print("Intervals sorted by start time: ")  
for i in v {  
    print(" [\(i.start), \(i.end) ]")  
}
```

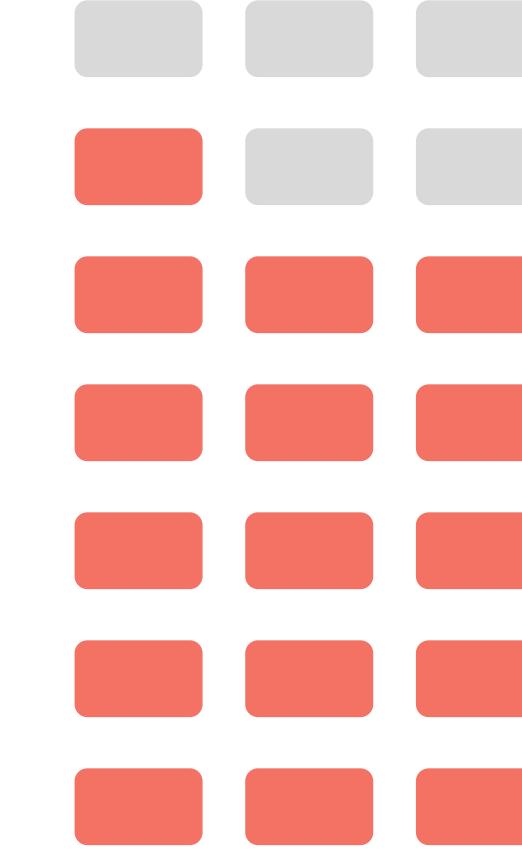
Salario promedio (US) por hora



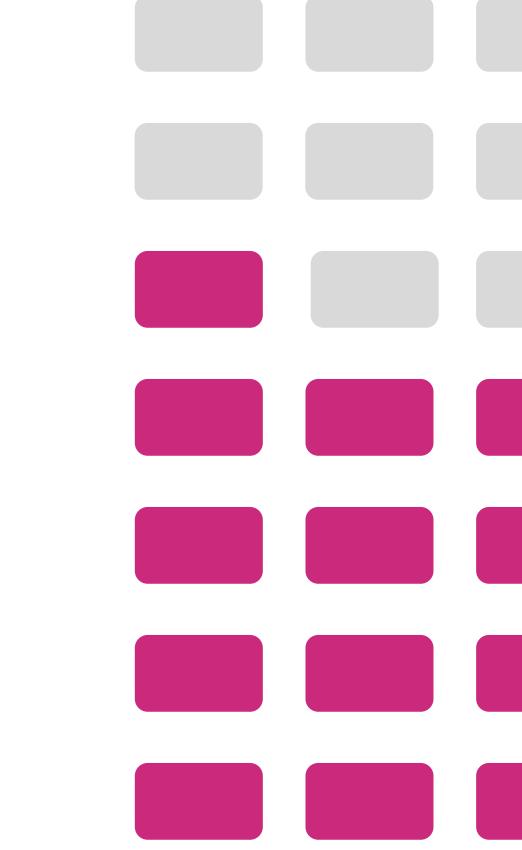
\$26.50



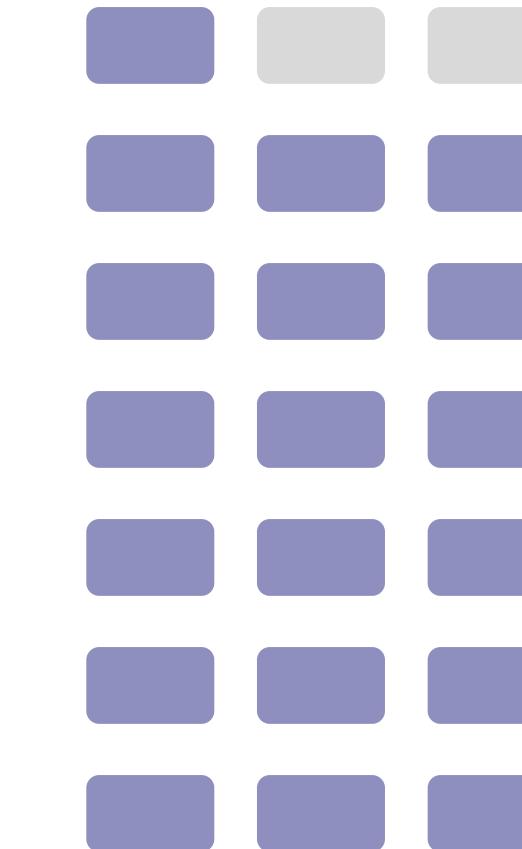
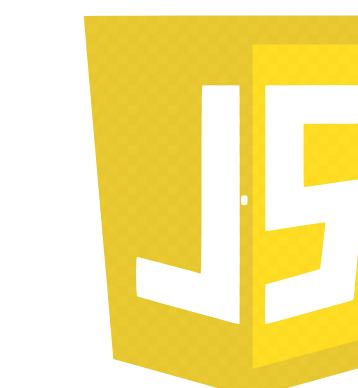
\$36.53



\$40.23



\$29.00



\$55.29



Comparación de salarios Swift y Java



■ Swift

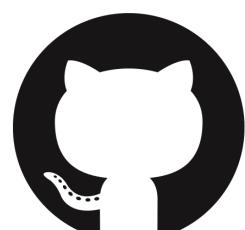
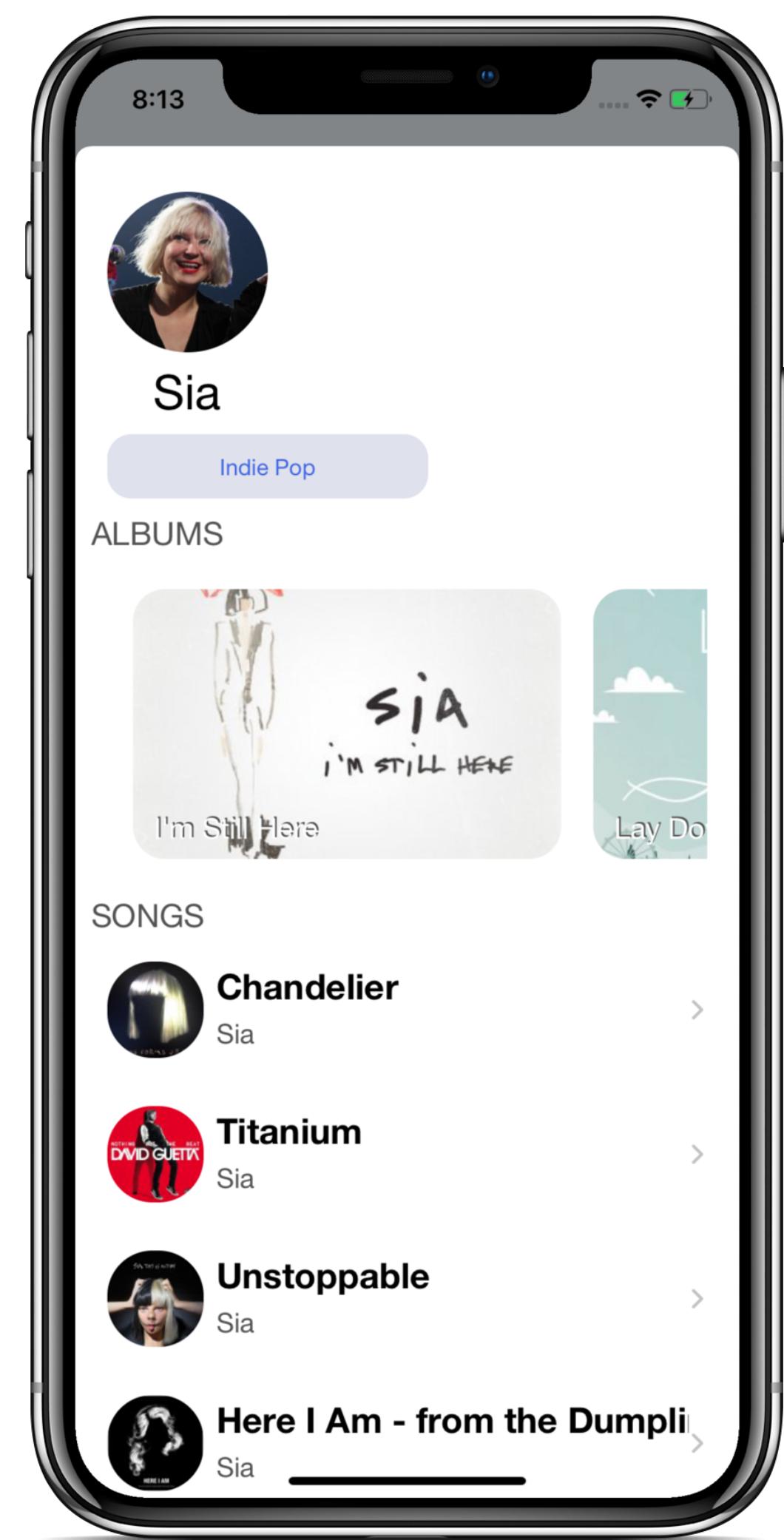
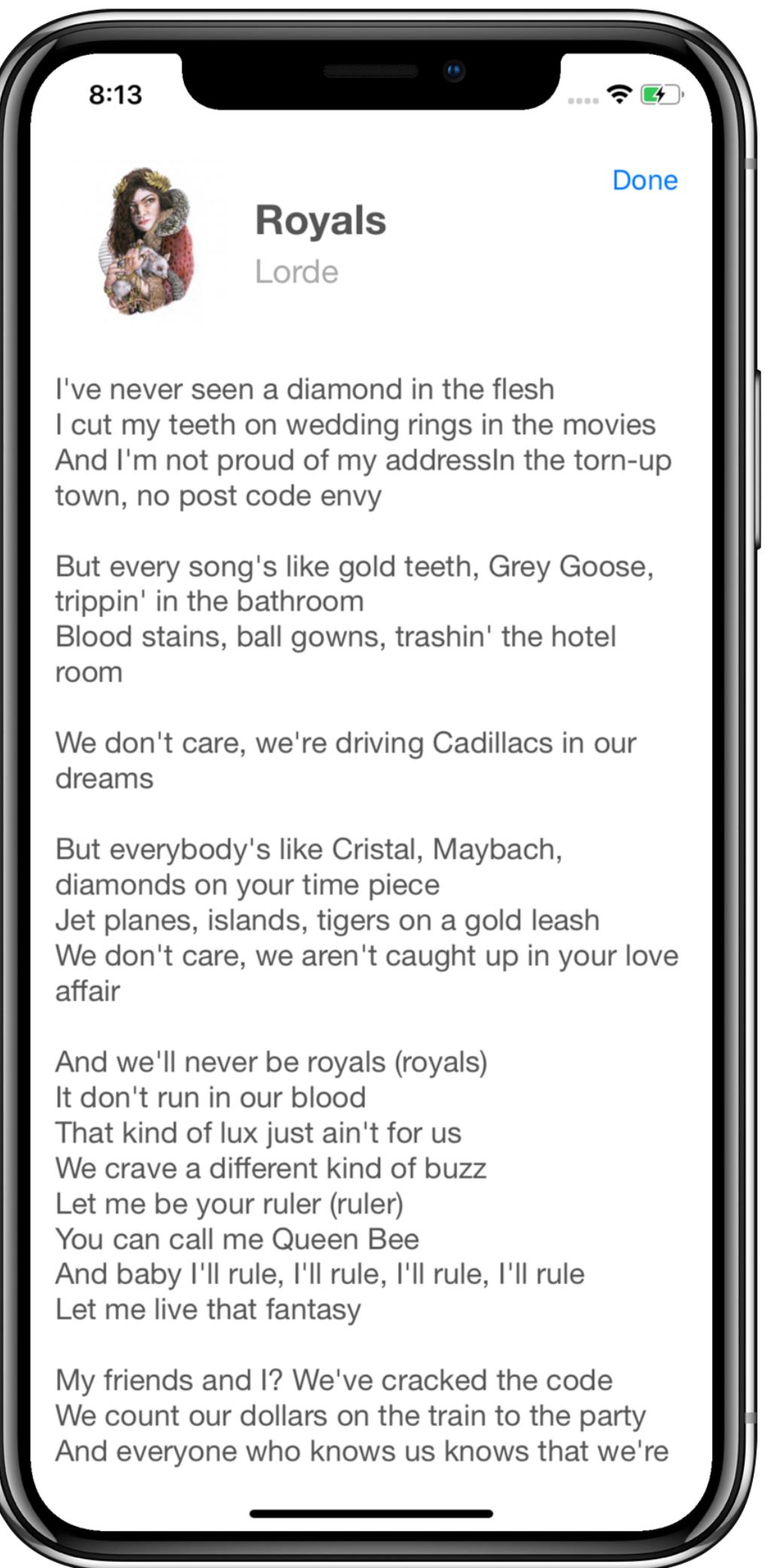
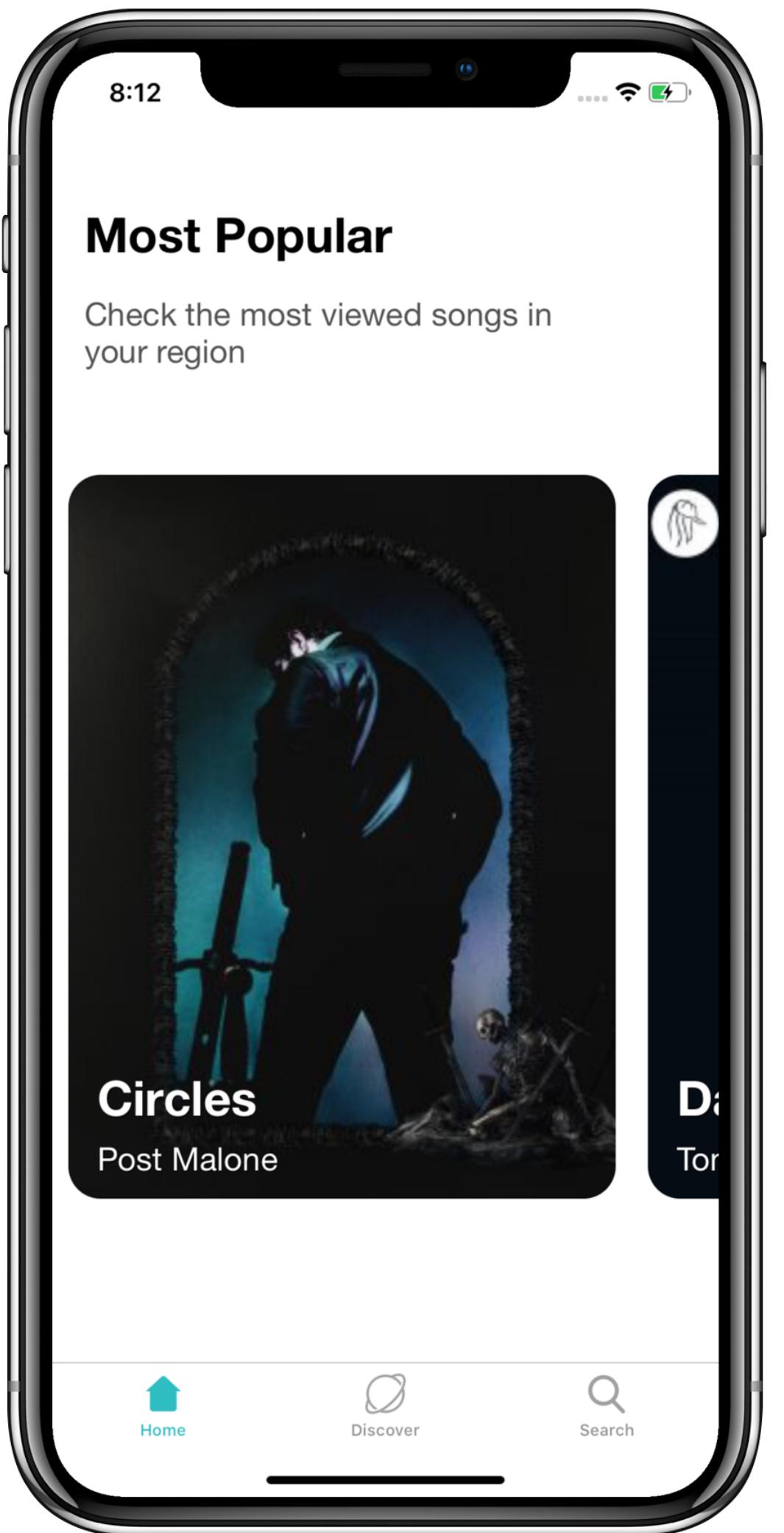
USD 87.17



■ Java

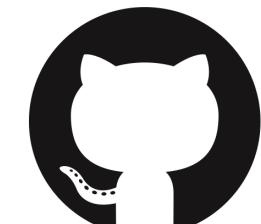
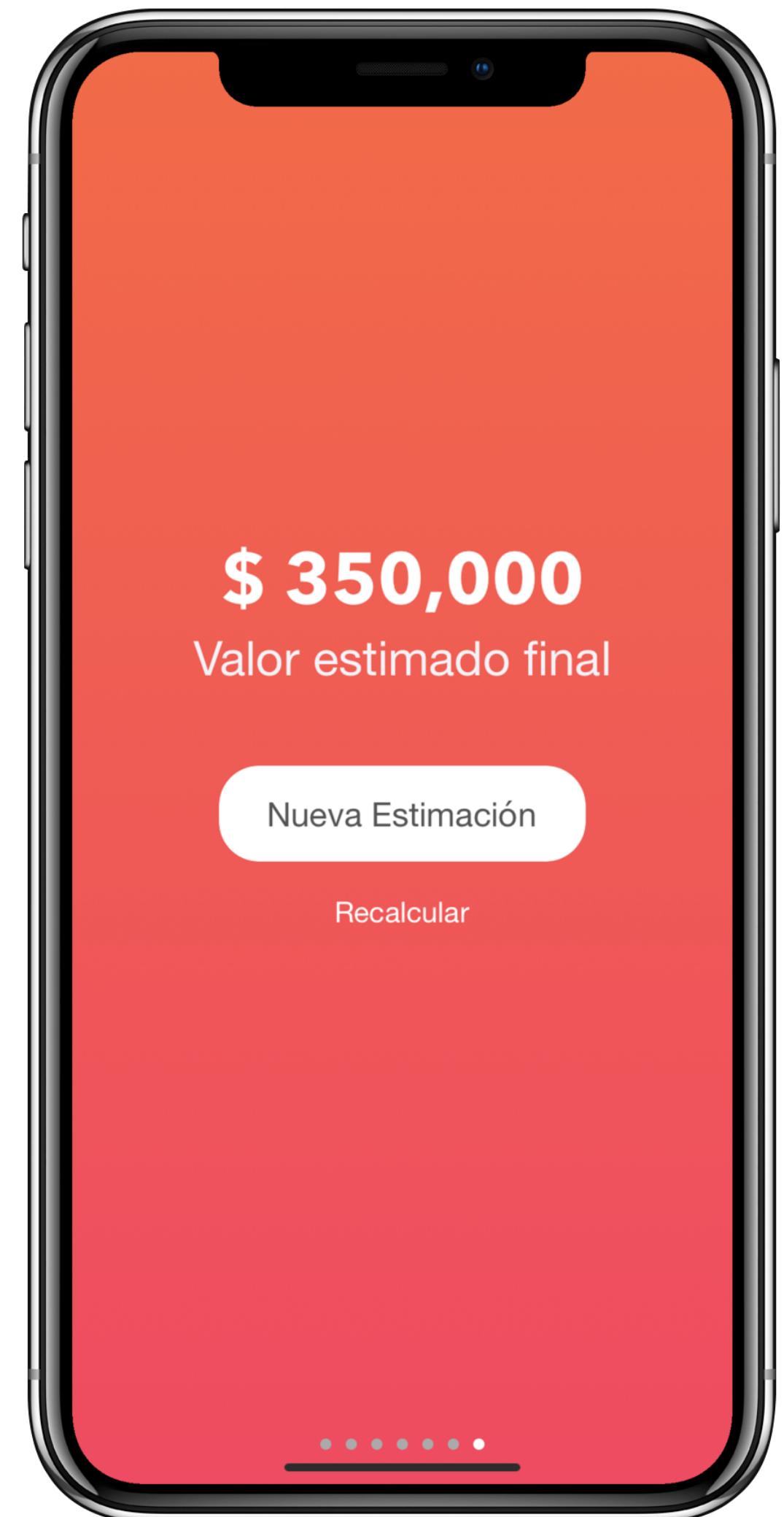
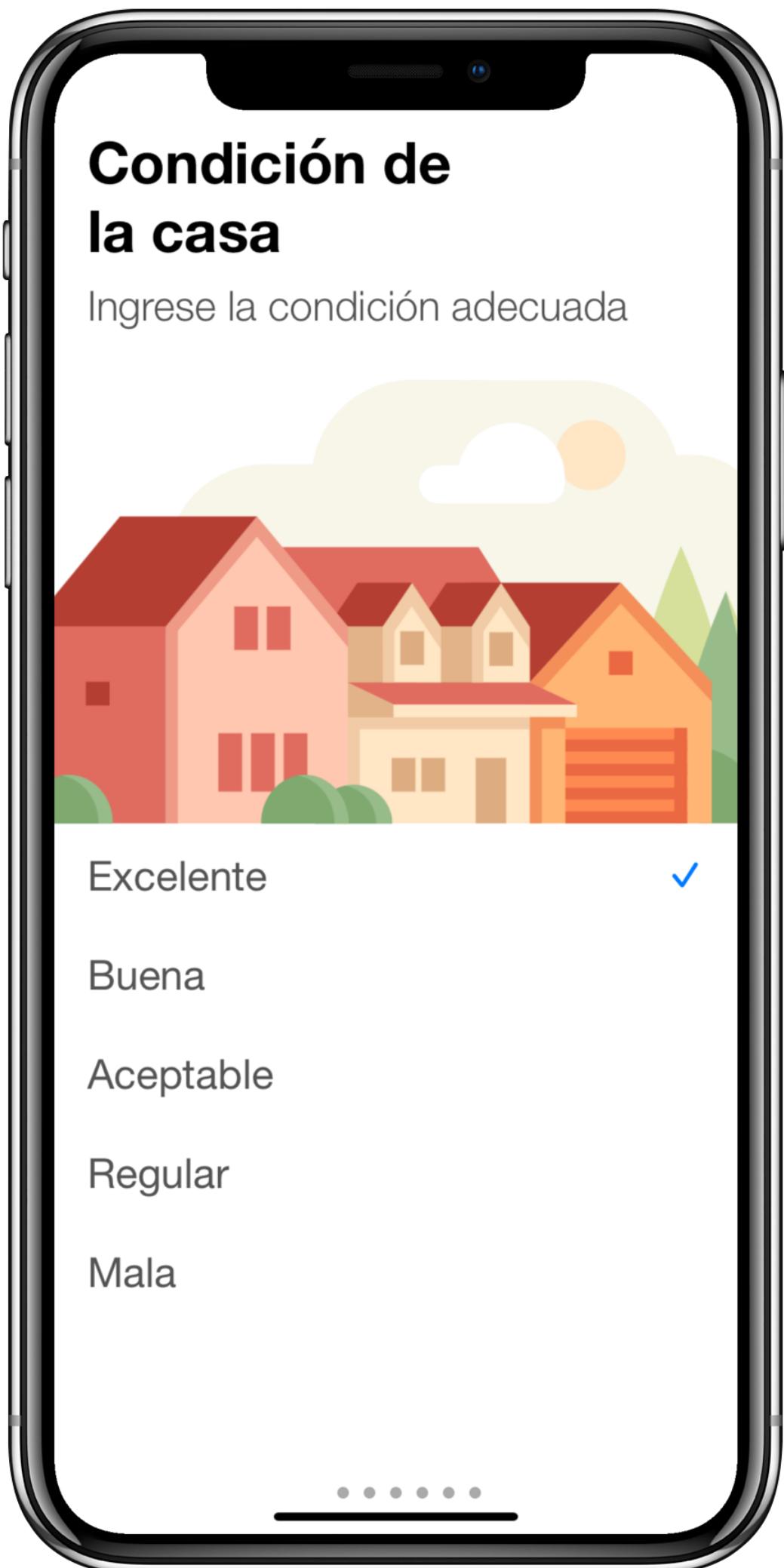
USD 66.52

Web Scraping

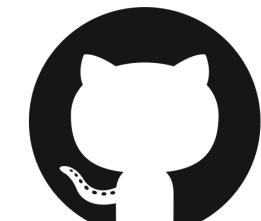
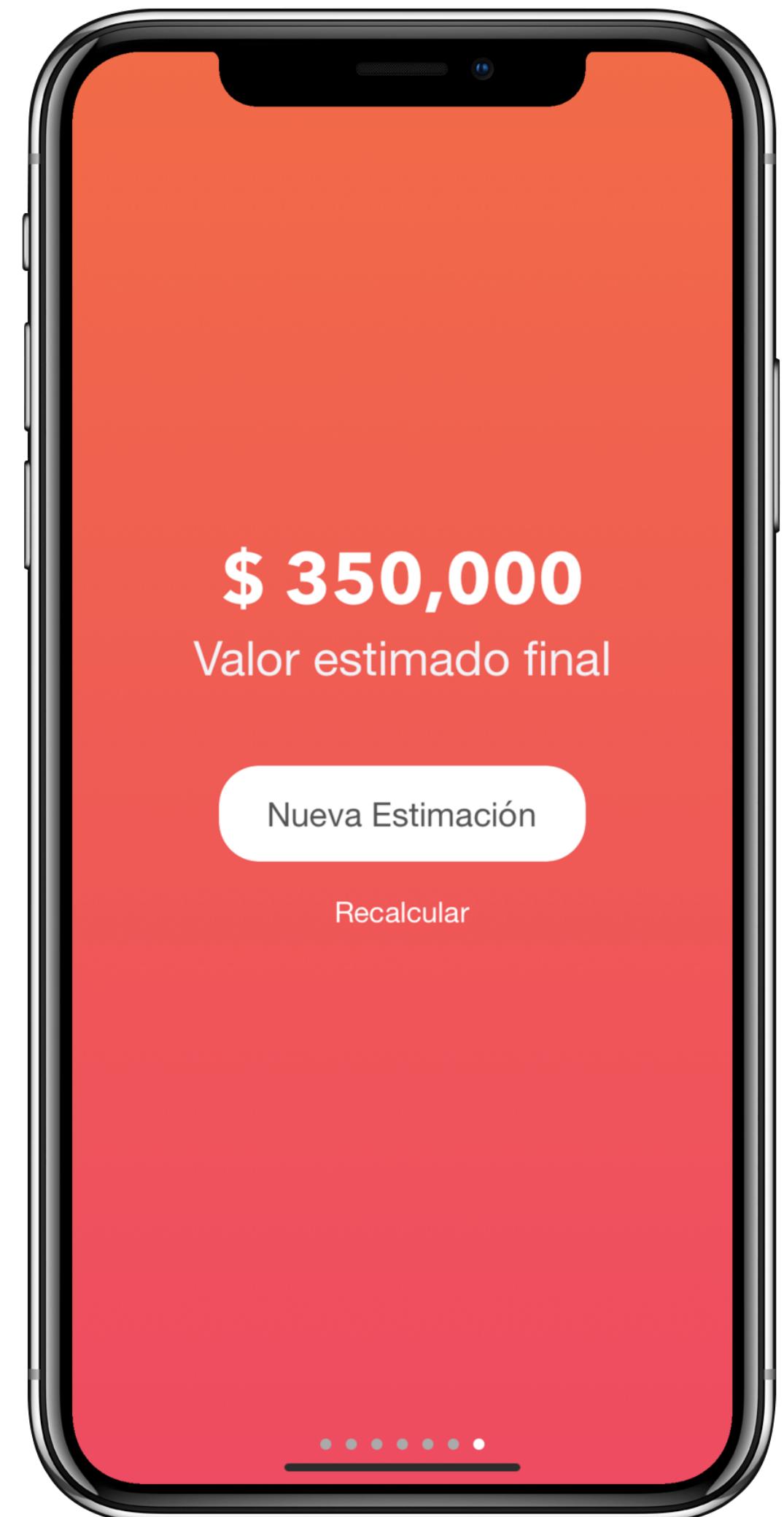
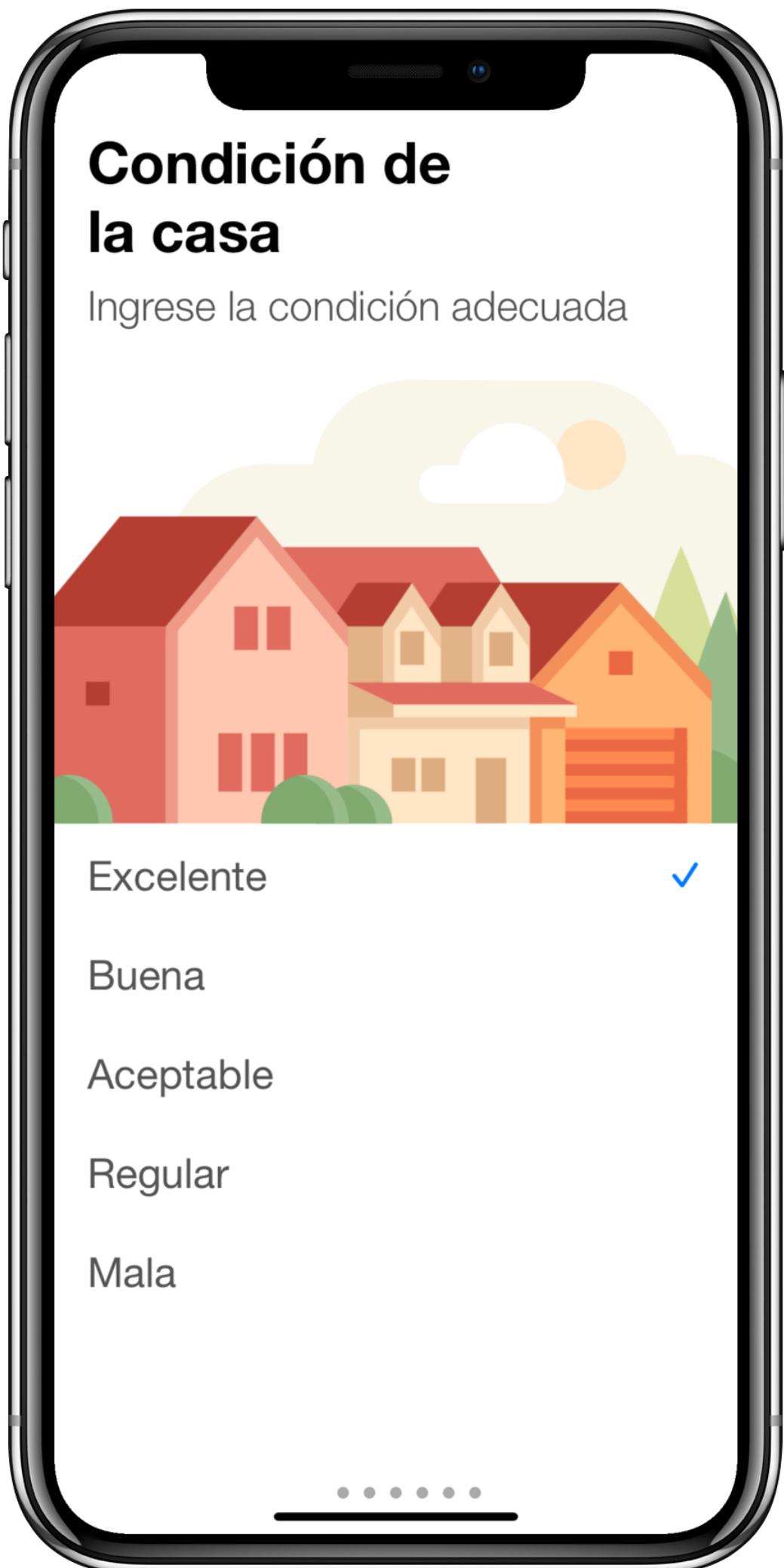


<https://github.com/ColeMacGrath/SwiftFromScratch>

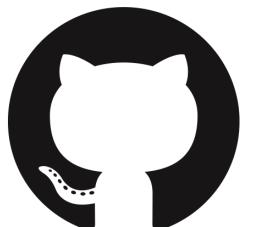
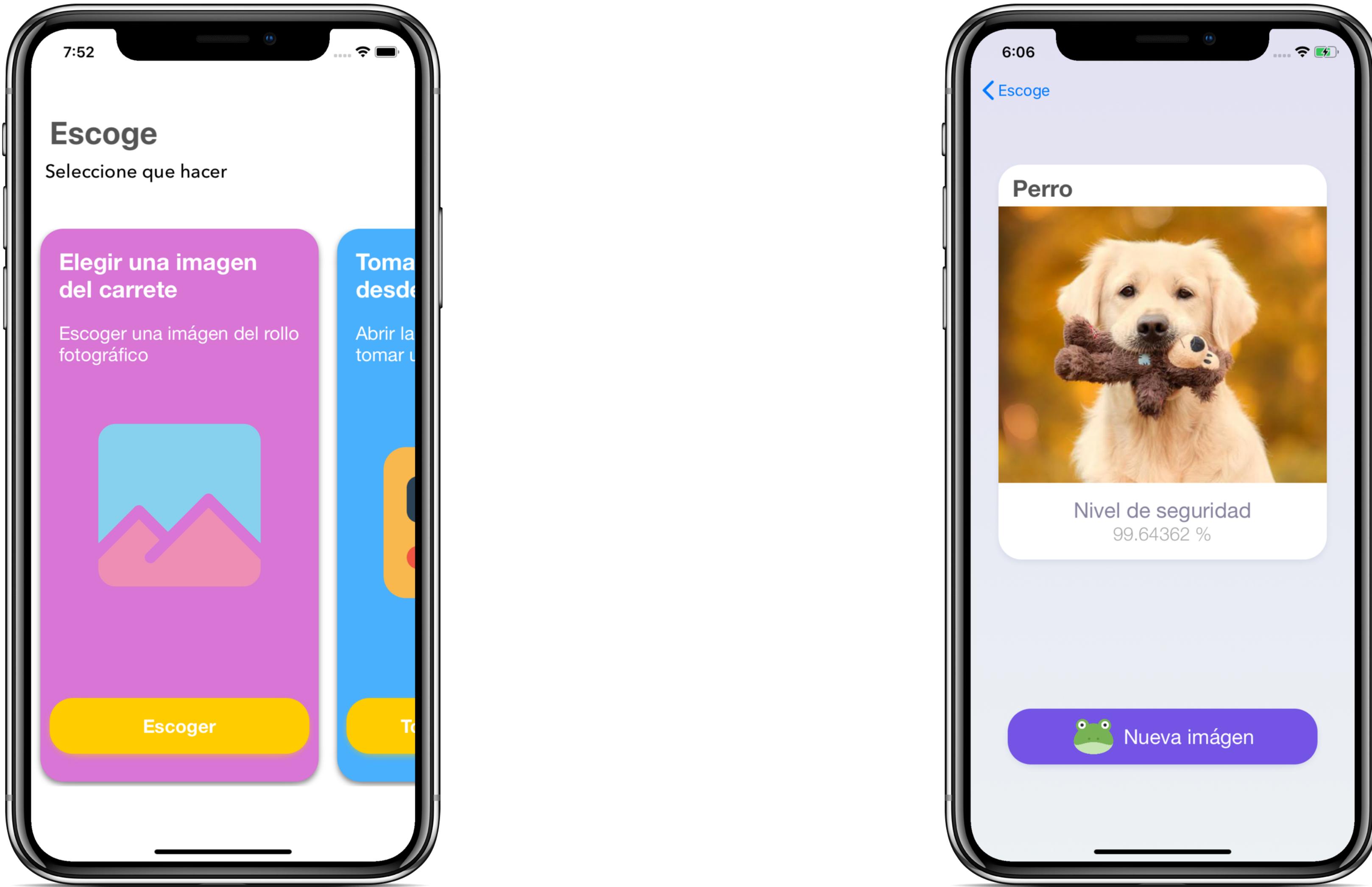
Machine Learning (Regresión)



Machine Learning (Regresión)



Machine Learning (Imagenes)



<https://github.com/ColeMacGrath/SwiftFromScratch>

Bases de datos (Instagram)

