

Bem-vindos ao HackaTruck MakerSpace!

O curso, o caminhão e tudo mais



REST - Consumindo APIs externas.

Vamos localizar API's públicas de preferencia sem autenticação pra esse primeiro contato com API's.

Conceitos

Conceitos:

Autenticação

JSON

Endpoint

Objetos

```
▼ 0:
  id: "9e3f7ce4-b9a7-4244-b709-dae5c1f1d4a8"
  name: "Harry Potter"
  ▼ alternate_names:
    0: "The Boy Who Lived"
    1: "The Chosen One"
  species: "human"
  gender: "male"
  house: "Gryffindor"
  dateOfBirth: "31-07-1980"
  yearOfBirth: 1980
  wizard: true
  ancestry: "half-blood"
  eyeColour: "green"
  hairColour: "black"
  ▼ wand:
    wood: "holly"
    core: "phoenix feather"
    length: 11
  patronus: "stag"
  hogwartsStudent: true
  hogwartsStaff: false
  actor: "Daniel Radcliffe"
  alternate_actors: []
  alive: true
  image: "https://ik.imagekit.io/hpapi/harry.jpg"
```

API Utilizada no Exemplo - HP-API

<https://hp-api.onrender.com/api/characters/house/gryffindor>

Use these routes to request data on Harry Potter characters:

View

- all characters:
 - <https://hp-api.onrender.com/api/characters>
- a specific character, based on their unique ID:
 - <https://hp-api.onrender.com/api/character/:id>
- characters who are Hogwarts students during the book series:
 - <https://hp-api.onrender.com/api/characters/students>
- characters who are Hogwarts staff during the book series:
 - <https://hp-api.onrender.com/api/characters/staff>
- characters in a certain house, e.g. /gryffindor:
 - <https://hp-api.onrender.com/api/characters/house/:house>
- all spells:
 - <https://hp-api.onrender.com/api/spells>

```
▼ 0:
  id: "9e3f7ce4-b9a7-4244-b709-dae5c1f1d4a8"
  name: "Harry Potter"
  ▼ alternate_names:
    0: "The Boy Who Lived"
    1: "The Chosen One"
  species: "human"
  gender: "male"
  house: "Gryffindor"
  dateOfBirth: "31-07-1980"
  yearOfBirth: 1980
  wizard: true
  ancestry: "half-blood"
  eyeColour: "green"
  hairColour: "black"
  ▼ wand:
    wood: "holly"
    core: "phoenix feather"
    length: 11
  patronus: "stag"
  hogwartsStudent: true
  hogwartsStaff: false
  actor: "Daniel Radcliffe"
  alternate_actors: []
  alive: true
  image: "https://ik.imagekit.io/hpapi/harry.jpg"
```

E no Swift?

Conceitos:

Codable

Optional

Objetos

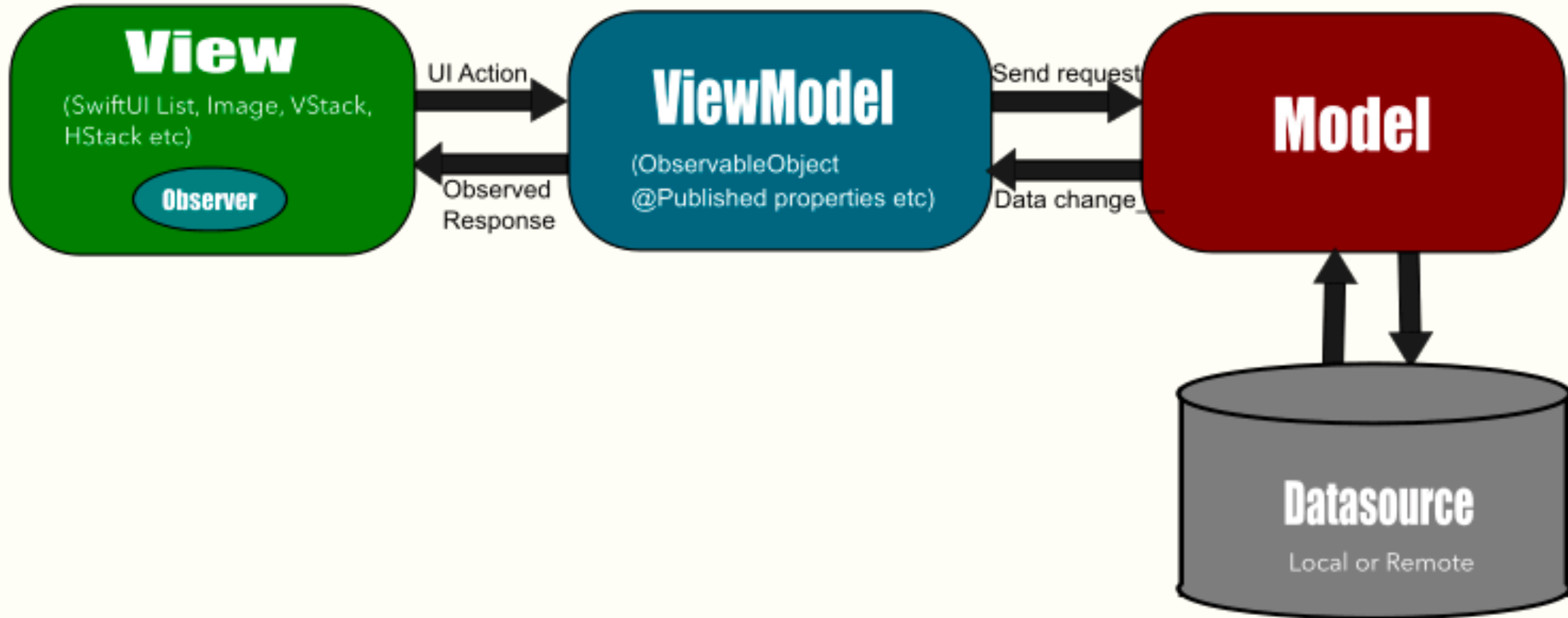
Observable Object

Published

State Object

```
struct Wand : Codable {  
    let wood : String?  
    let core : String?  
    let length : Double?  
}
```

Swift - MVVM



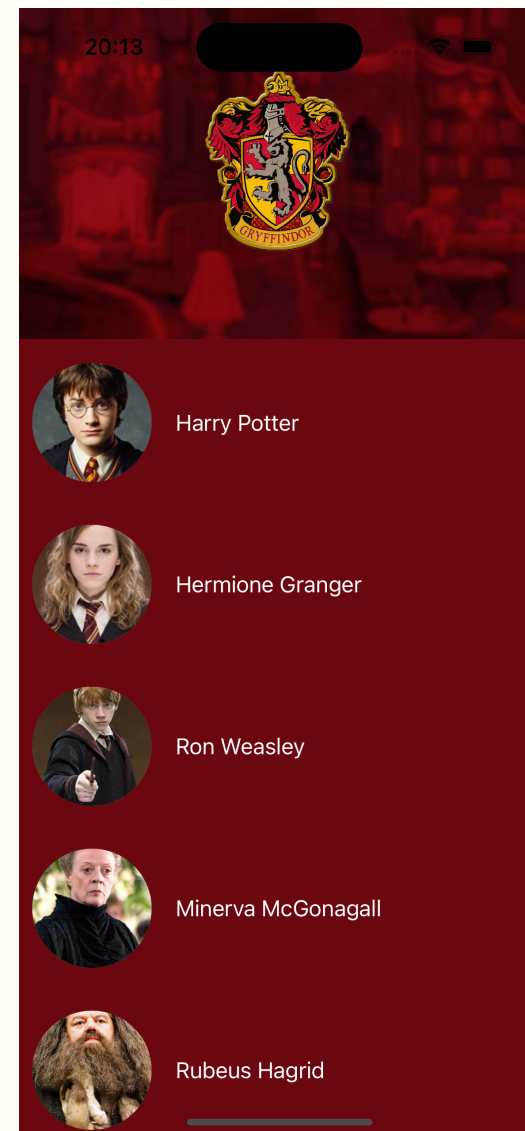
Desafio

Mapear uma API pública e exibir os dados em um App Swift

Link para busca:

<https://github.com/public-apis/public-apis>

Ou qualquer outra que você conheça.





/hackatruck



@hackatruck_makerspace



HACKATRUCK MAKERSPACE



www.hackatruck.com.br

