Bem-vindos ao HackaTruck MakerSpace!

O curso, o caminhão e tudo mais

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REST - Consumindo APIS externas.

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

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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"
```

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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

```
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    alive:               true
    image:               "https://ik.imagekit.io/hpapi/harry.jpg"
```

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E no Swift?

Conceitos:

Codable
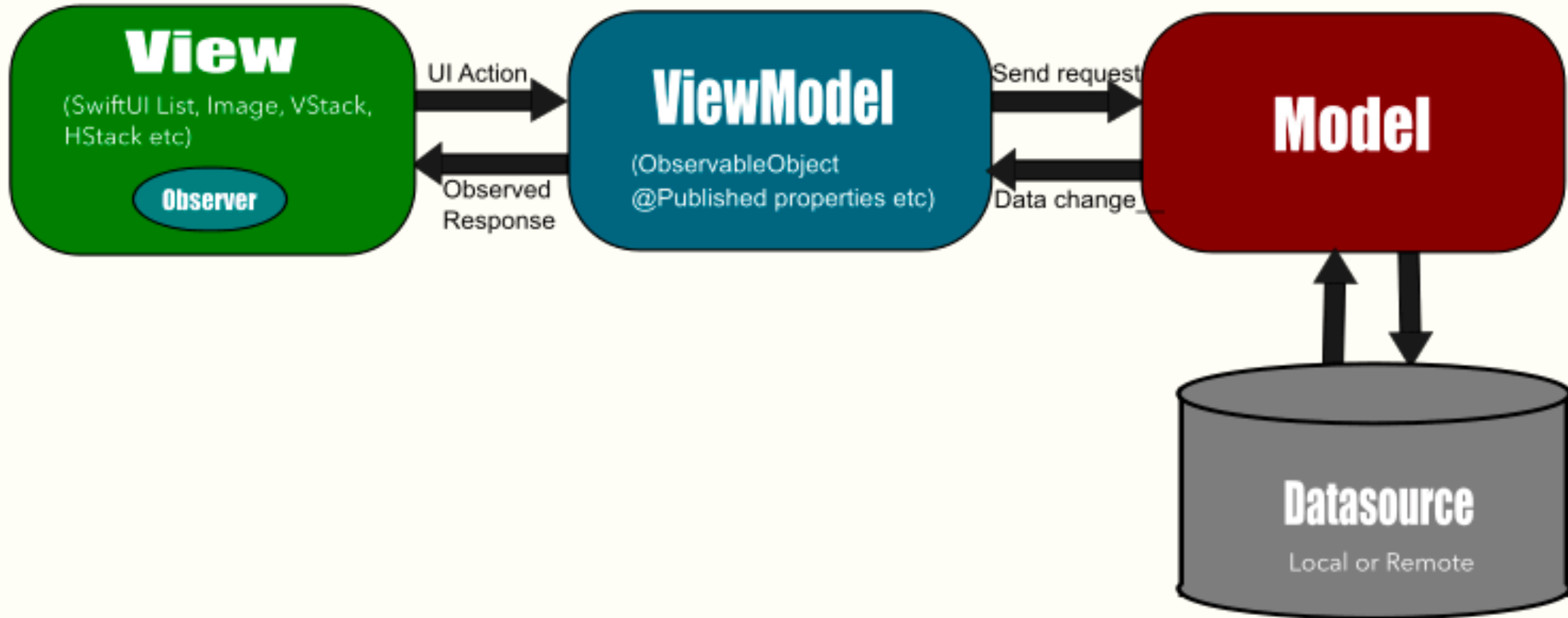
Optional

Objetos

Observable Object

Published

State Object

```swift
struct Wand : Codable {
    let wood : String?
    let core : String?
    let length : Double?
}
```
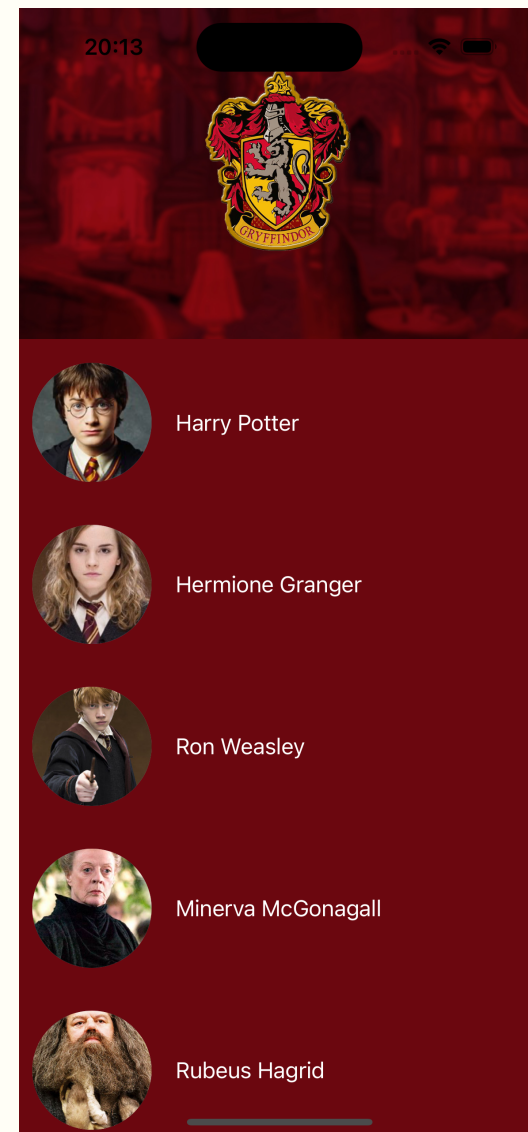
Swift - MVVM

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.

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