

# Introduzione **OBIETTIVO:** Web app per gestire i dati sugli eventi e i **risultati** dei giochi olimpici invernali di Pechino 2022







- veloce
- breve
- **Just Modern Python**



#### React

- applicazioni dinamiche
- DOM virtuale
- altamente performante



### mongoDB

- schema less
- indicizzazione
- import dati da csv e json









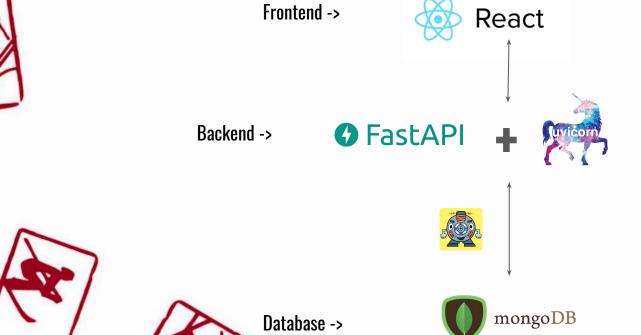








## Tecnologie utilizzate React

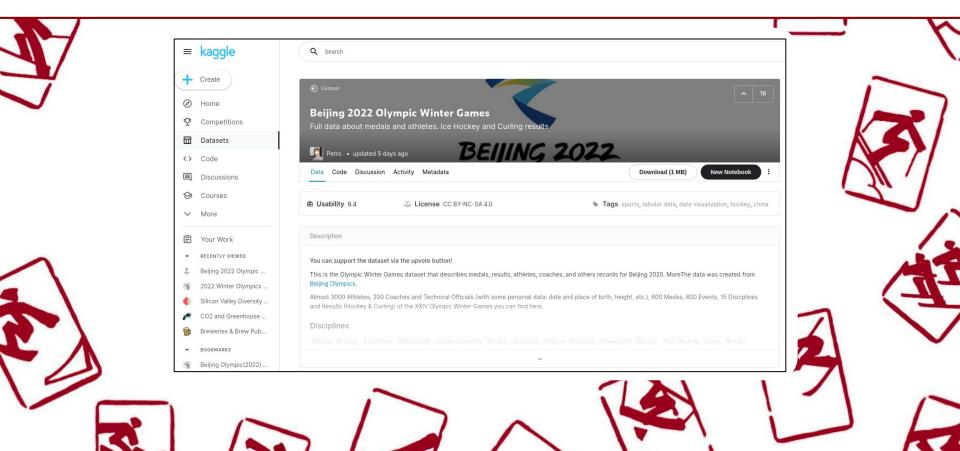


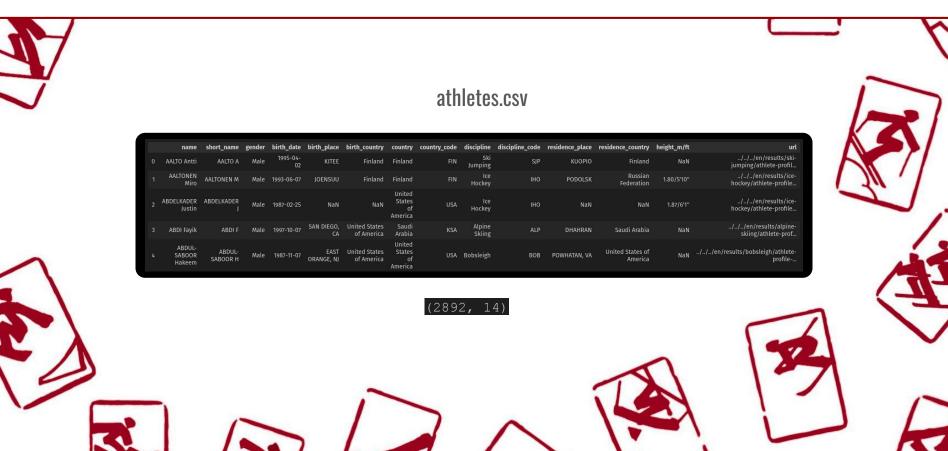


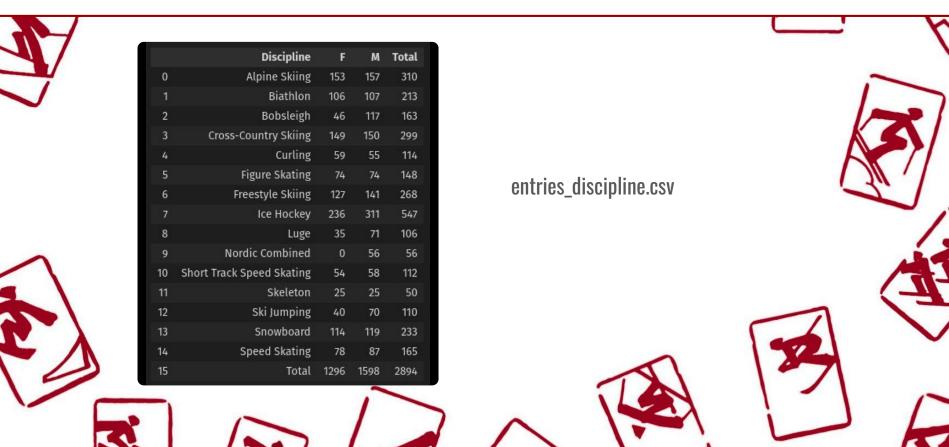


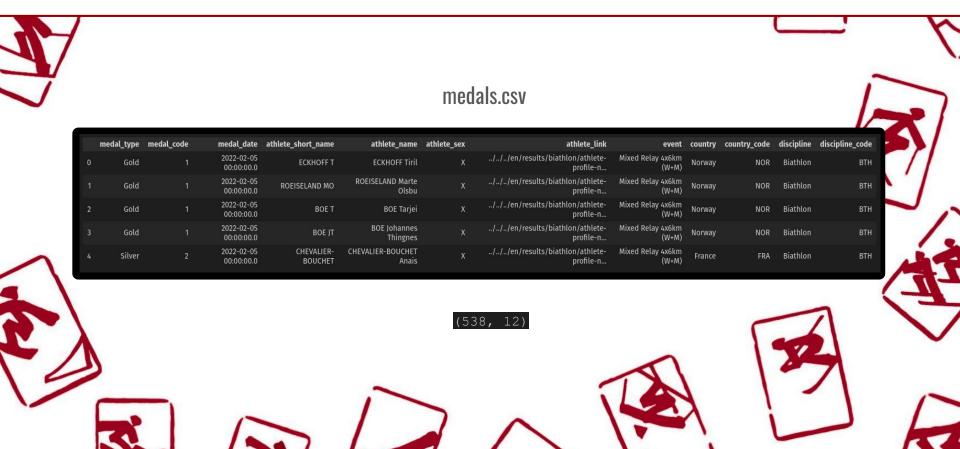




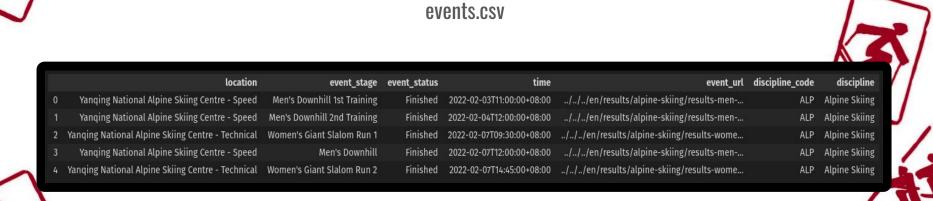














## **Database** entries\_disciplines.csv disciplines.json events.csv pandas ( rankings.json athletes.csv events.json medals.csv medals\_total.csv

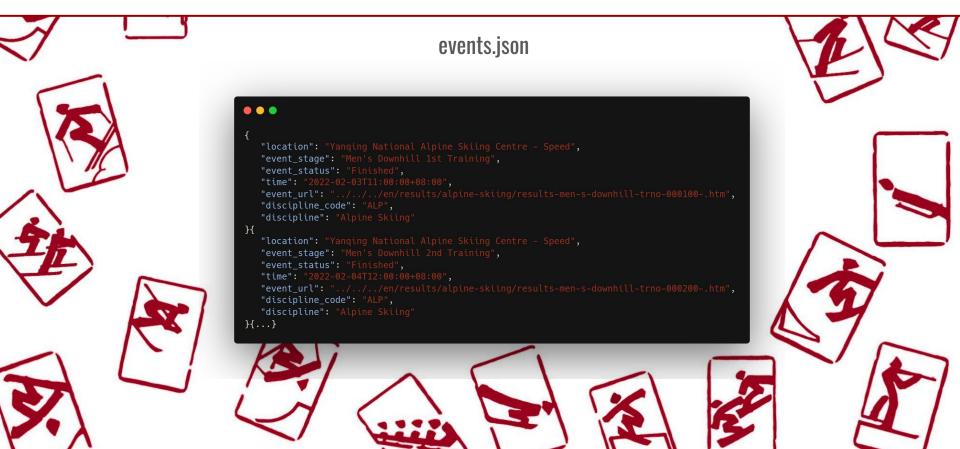
#### **Database**



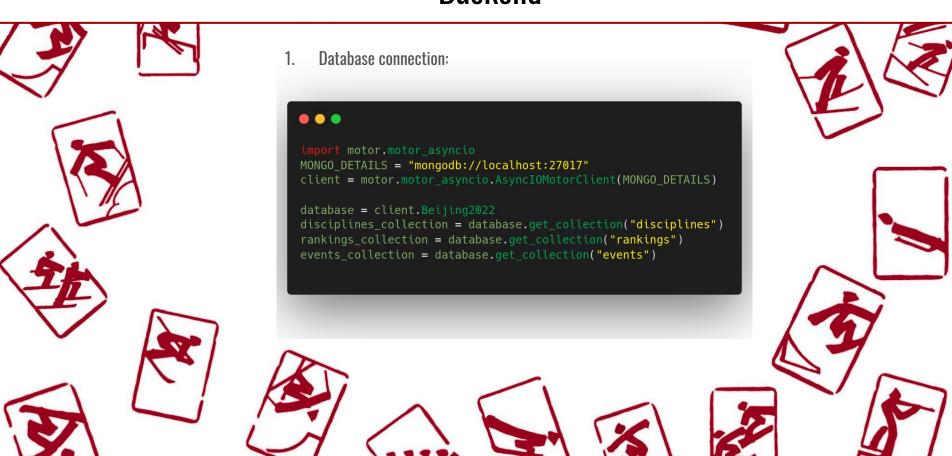
#### **Database**



#### **Database**



#### **Backend**

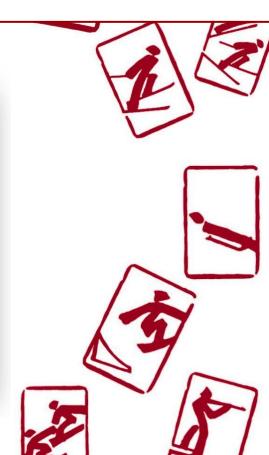


#### **Backend**



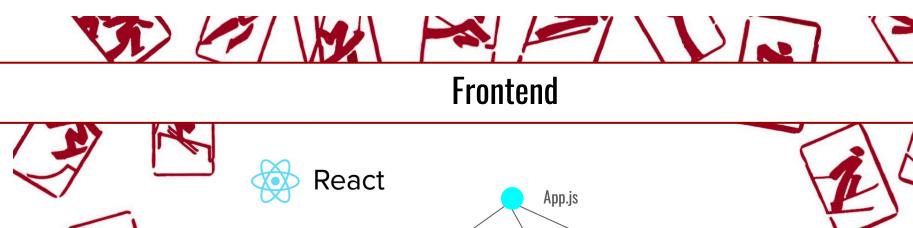
2. Database queries:

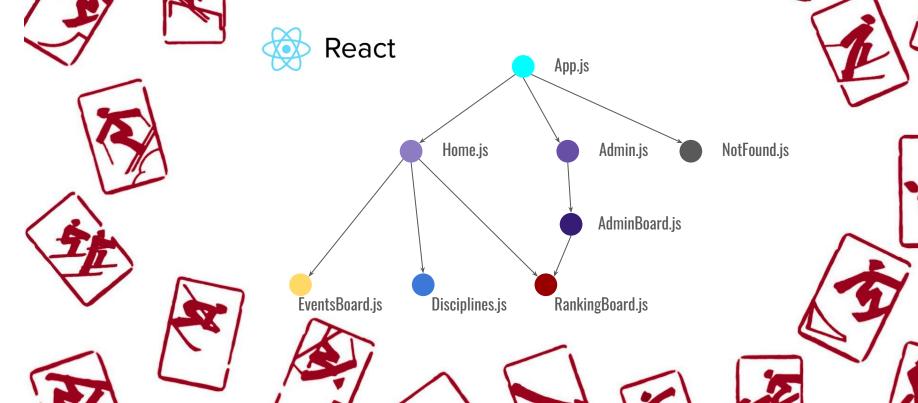
```
• • •
 def create a medal(medal: dict):
ranking_doc = await rankings_collection.find_one({"Country": medal["country"]})
   if medal["medal_type"] == "Gold":
      {"Country": medal["country"]},{"$push": {"silver_medals": medal} }
   elif medal["medal_type"] == "Bronze":
 updated_ranking_doc = await rankings_collection.update_one(
         {"Country": medal["country"]},{"$push": {"bronze_medals": medal} }
   if medal["medal_type"] == "Gold":
newGoldTotal = ranking_doc["Gold"] + 1
         {"Country": medal["country"]},{"$set": {"Gold": newGoldTotal } }
   elif medal["medal_type"] == "Silver":
```



#### **Backend**







#### 北京2022年冬奥会吉祥物和冬残奥会吉祥物

The Mascots of the Olympic and Paralympic Winter Games Beijing 2022

Let's see!



**1.20**<sup>元</sup>

中国邮政

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北京2022年冬奥会吉祥物