

# Real Time Tracking and Analysis of COVID Hotspots

---

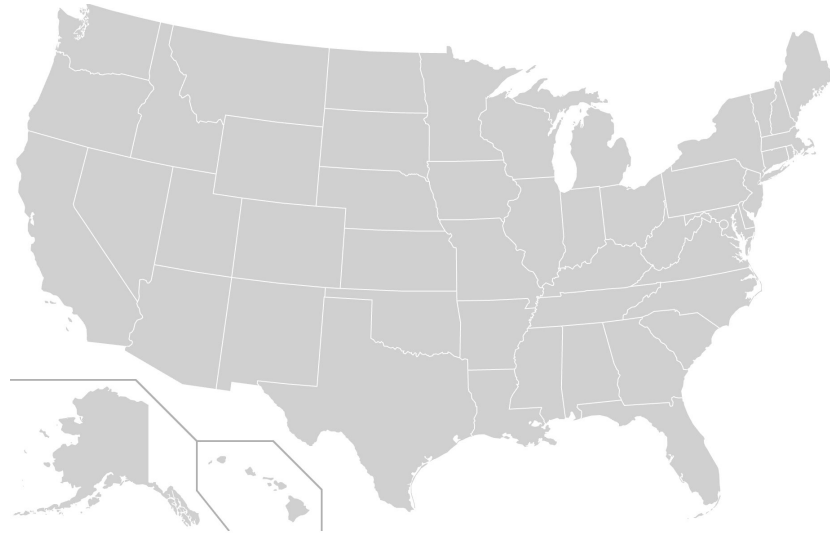
Demir Demirsoy

Berk Mankaliye

Arjun Misra

# Conceptualization

- ❖ An easy to navigate COVID-19 tracking website
- ❖ Benefits:
  - Search any US ZIP code and view current number of cases and hotspots
  - Lookup area history up to a month prior to current date
  - Lookup A.I. simulated future predictions for up to two weeks
- ❖ Data acquired from confirmed sources



Please Enter Zip Code, City, County, or  
Country...



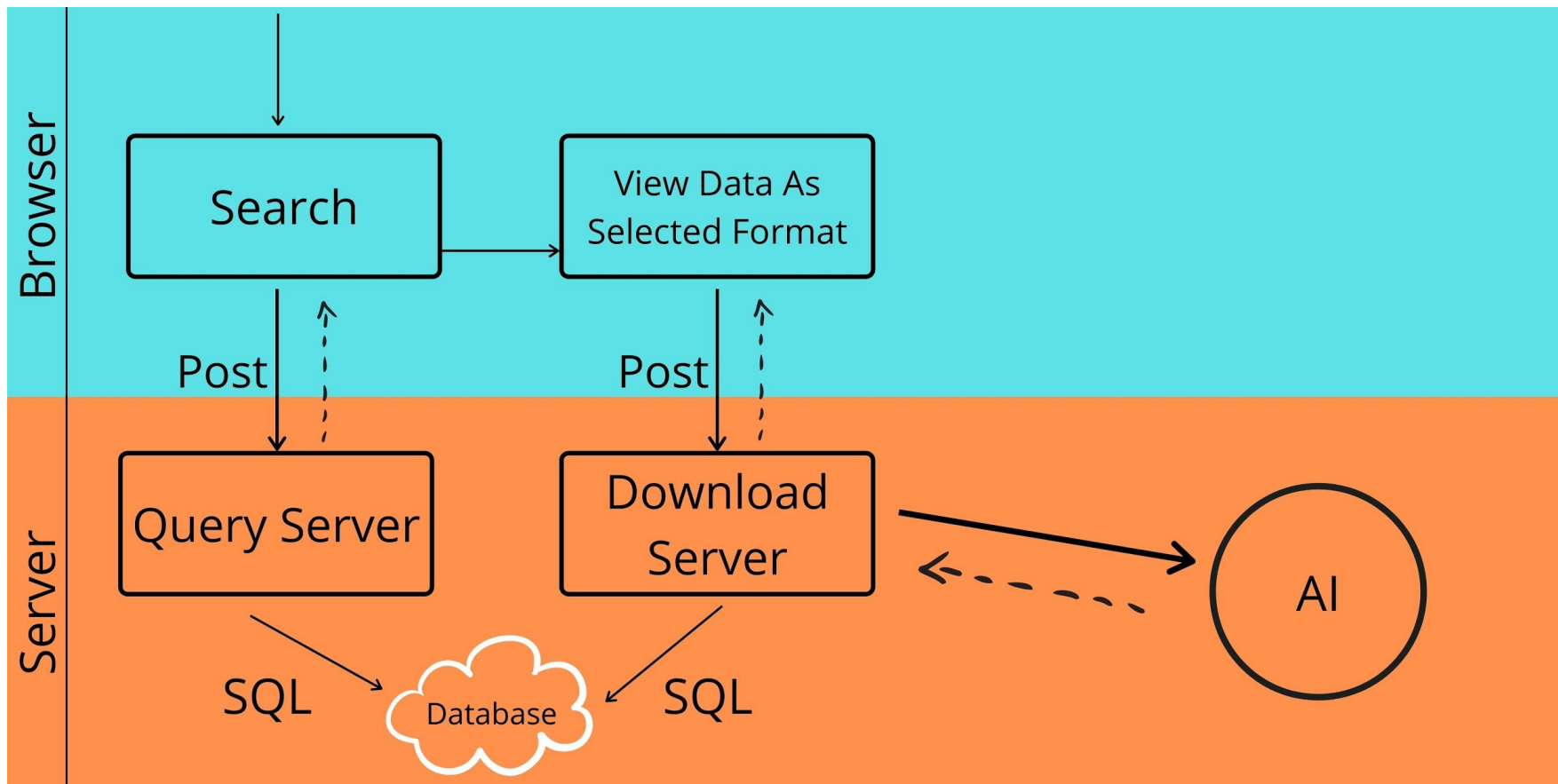
# Key Functional Requirements

- ❖ Gain Instantaneous Access to COVID Data in Real Time
- ❖ View Past Data and Predicted Future Data

# Key Non Functional Requirements

- ❖ Continuous, Live Updates From Server
- ❖ Continual Reallocation of Memory
- ❖ Simultaneous Execution and Coordination of Artificial Intelligence Algorithms

# Sample Use Case

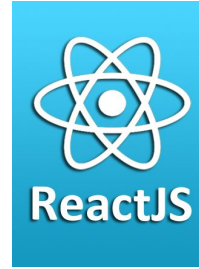


# System Constraints

- ❖ Internet connection (Wireless/Cellular)
- ❖ Adobe Flash Player
- ❖ Budgeting and Accessing Reliable Data



## System Constraints (cont.)



Questions?