



AIR TRAFFIC DATA EXPLORATION

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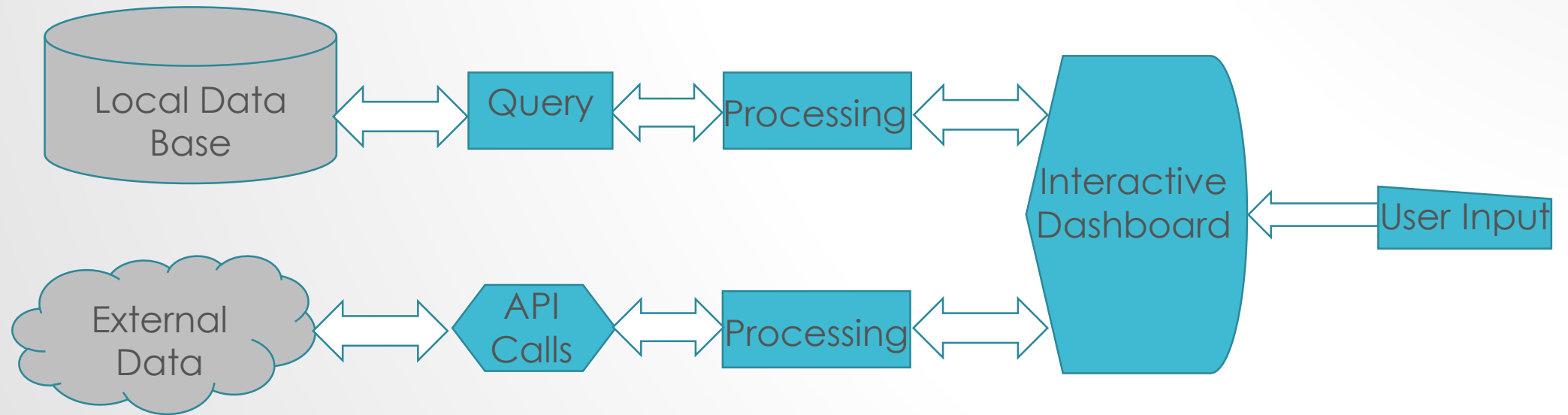
PROJECT OVERVIEW

- Topic: Using a combination of real-time and historical data provide visualization of data related to aircraft flights over specific time periods and geographic locations
- Rationale: Vast amounts of air traffic data is generated daily requiring applications using visualization libraries to aid decision makers and stakeholders.
 - Display/Identify aircraft operating in/around specific airports
 - Display airline on-time performance over a selected period of time
- Project Focus: Dashboard Page
- Data Sets
 - OpenSky Network: Live APIs and Aircraft Data Bases
 - FlightAware: Live APIs, Aircraft Data Bases, FBO Tool Box
 - US Department of Transportation

DEVELOPMENT TOOLS/APPLICATIONS

- Applications/Libraries/Software
 - HTML/CSS
 - D3
 - Python Flask
 - MongoDB or MySQL
 - JavaScript
 - JQuery
- GitHub: <https://github.com/Thirdhuman/Project-ArmBop.git>

High-Level Design



DEVELOPMENT APPROACH

- Develop a list of questions that we want to answer
- Identify the information needed to answer the questions
- Identify the relevant sources of information and data needed
- Build the solution platform
- Collect and process the data
- Start answering the questions