



Stat Vision

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What Is StatVision?

StatVision aims to develop a comprehensive sports tracker and analytics website for casual fans, fantasy sports players, and analysts. The platform enables casual fans to look up statistics on their favorite athletes and teams, staying updated on performance metrics. Fantasy sports players can access updated statistics on their rostered players to make informed decisions. Sports analysts can easily access extensive data across leagues for their projects. By integrating real-time data and advanced analytics, our platform bridges the gap between raw sports data and meaningful insights, serving all users.

Notable Challenges

- Finding one free and open-source API which allows us to access data across all sports leagues within our scope.
- Legal restrictions on the use of data for certain sports leagues, as well as the usage of team logos and player pictures.
- Matching the user input to SQL query and handling input that our data does not handle.

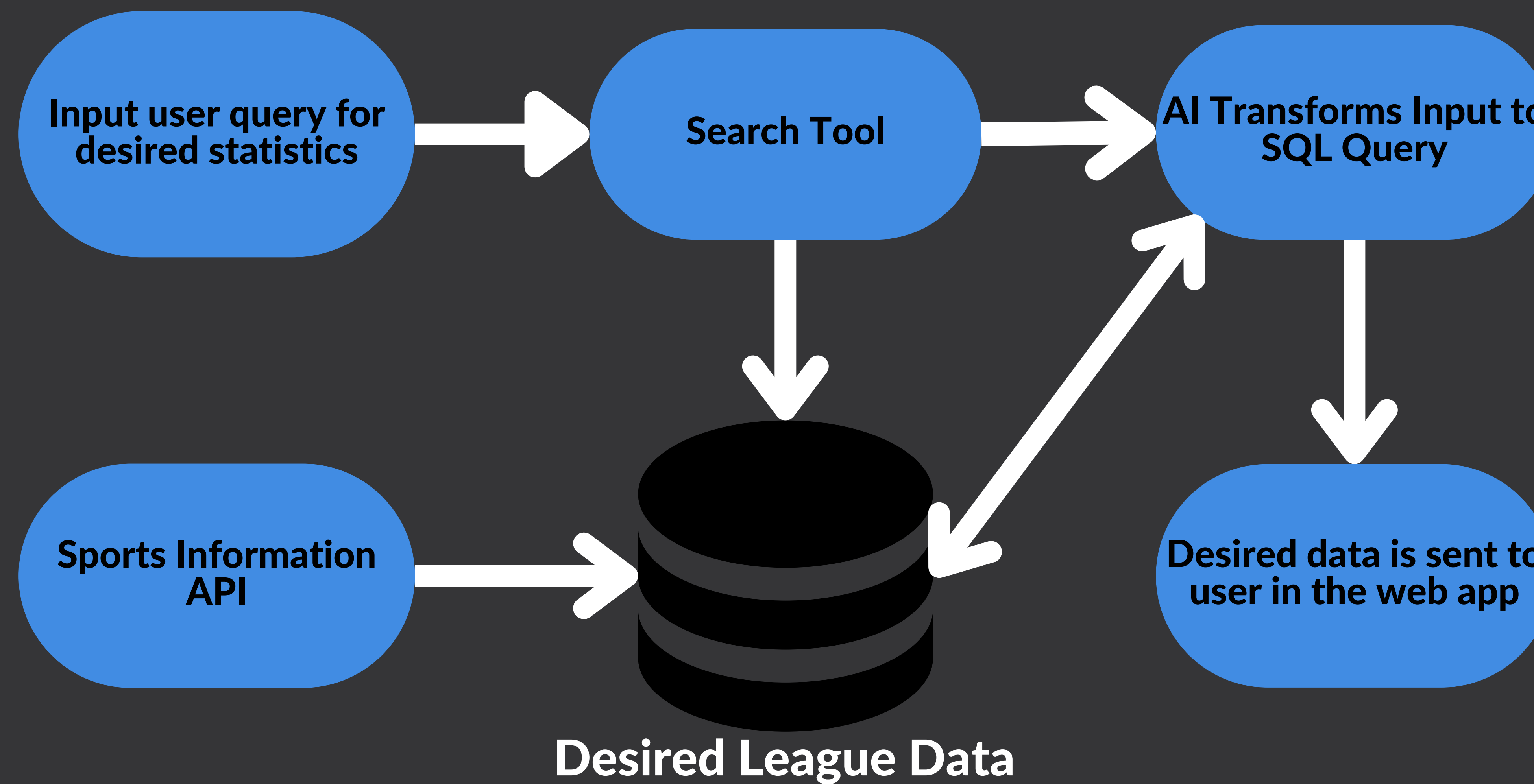


Diagram 1 outlines the top-level functionality of our project from user input to output. Using our search tool, the input is compared against our database, then our custom API processes the result and returns the output in the desired format.

Tools/Technologies

- Website & Database Application Hosting: AWS
- Data Retrieval from APIs and Database
- Sports Information(RapidAPI) - API for retrieving covered leagues data
- Using AI to transform user input into SQL Query.

Our Purpose

- **Effortless Statistics Search:** Enable users to easily find statistics on their favorite teams and players through a simple search function.
- **Centralized Sports Data Platform:** Provide a unified platform for accessing sports data across multiple leagues.
- **Real-Time Updates:** Support real-time updates to keep users informed of the latest statistics.
- **Data-Driven Decision-Making:** Facilitate informed decisions for fantasy sports players and analysts through accessible data.

Notable Accomplishments

- User-Friendly Front End, and Search Filtering Options
- Data Retrieval from APIs and Database
- Data Visualization in Real Time
- Users Can Search For Stats and Receive Their Desired Data in our Format in Real Time.