

# **HOCUS POCUS HOME ASSISTANT**



**Team BUET\_Bleh**

# Introduction

We have built a smart Home Assistant Software which can communicate with the user and execute tasks accordingly.

## External APIs Used in this Project

- Speech to Text Recognition API from Microsoft Azure
- Music Track Search API from Spotify
- News API from Google News
- Search API from Serpapi
- Routes API from MapQuest
- TV Show API from TVMaze
- Weather API from WeatherStack

**API Documentation:** <https://documenter.getpostman.com/view/13141050/VUjLK6Vf>

# **Phase 1**

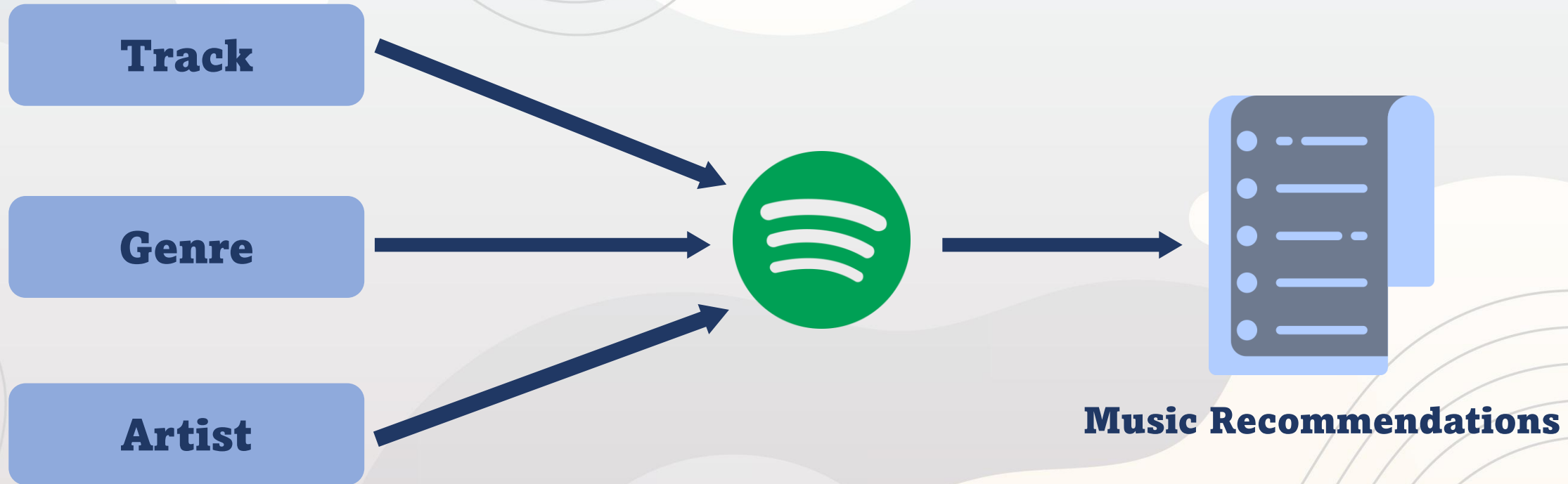
- **Speech to Text Recognition**
- **Music Recommendation**
- **Parsing Top News in the Area**

# Speech to Text Recognition



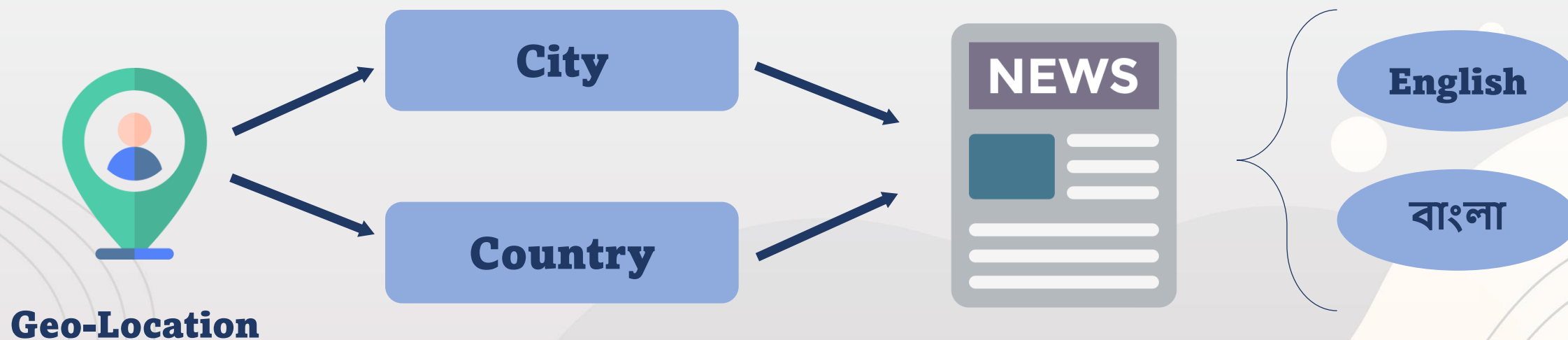
Source: <https://www.npmjs.com/package/microsoft-cognitiveservices-speech-sdk>

# Music Recommendation



Source: <https://api.spotify.com/v1/search>

# Parsing Top News in the Area

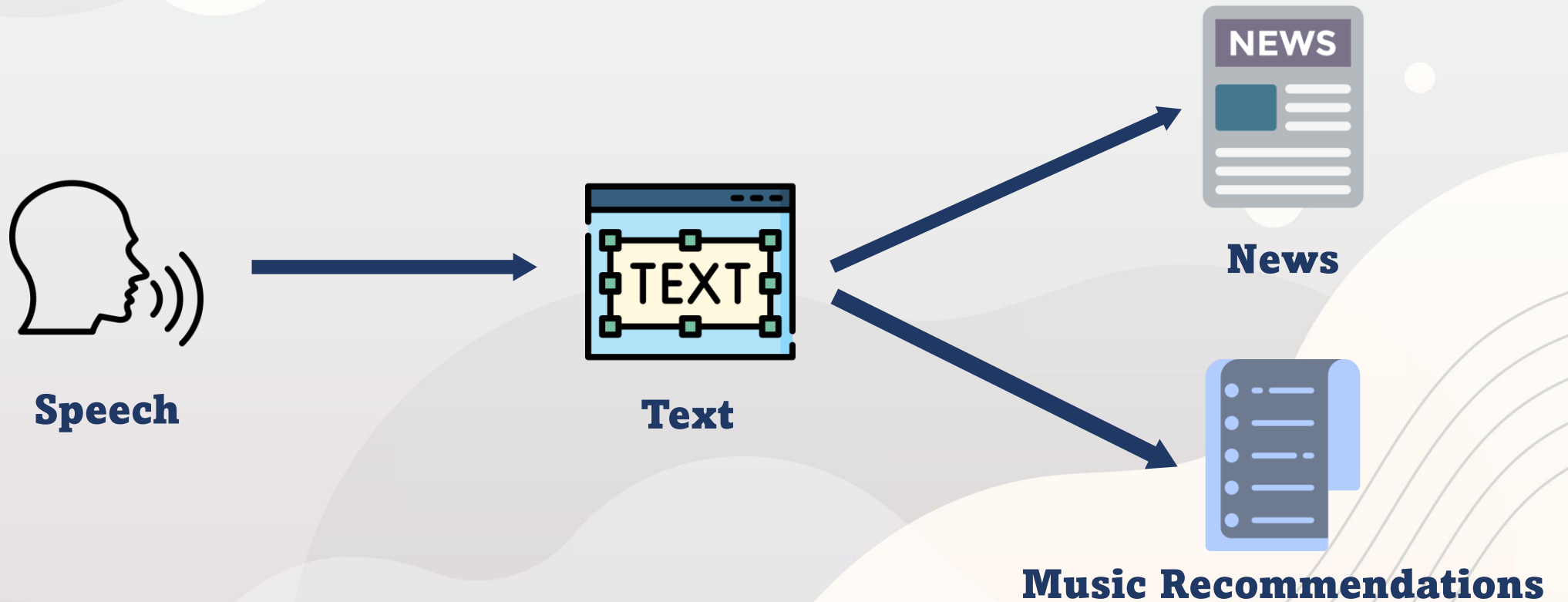


Source: [https://google-news.p.rapidapi.com/v1/geo\\_headlines](https://google-news.p.rapidapi.com/v1/geo_headlines)

## **Phase 2**

- **Integration of features from Phase 1**
- **Search**
- **Route Planning**

# Integration of System





# Search

**Keywords**



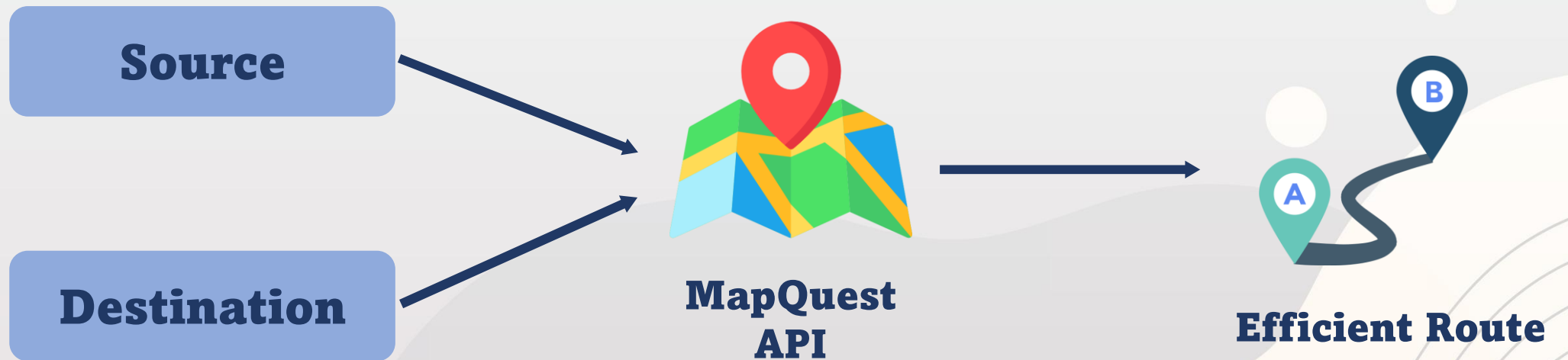
**Search Engine & Bin**



**Search Results**

**Source:** <https://serpapi.com/searches/87fa874d05a7fcc5/6165916694c6c7025deef5ab.json>  
<https://www.npmjs.com/package/google-search-results-nodejs>

# Route Planning

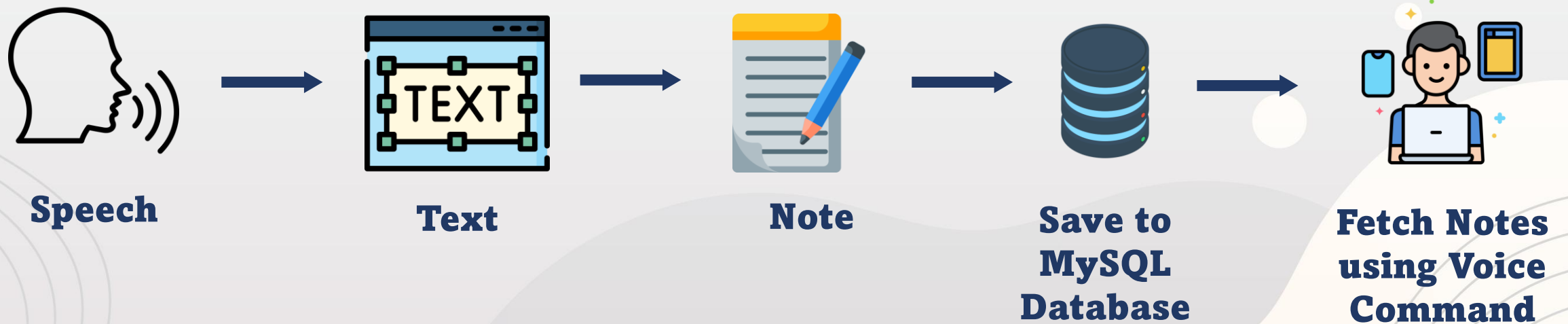


Source: <https://www.mapquestapi.com/directions/v2/route>

## **Phase 3**

- **Taking Notes from Speech**
- **Additional Features**
  - **TV Show Recommendations**
  - **See Current Weather**

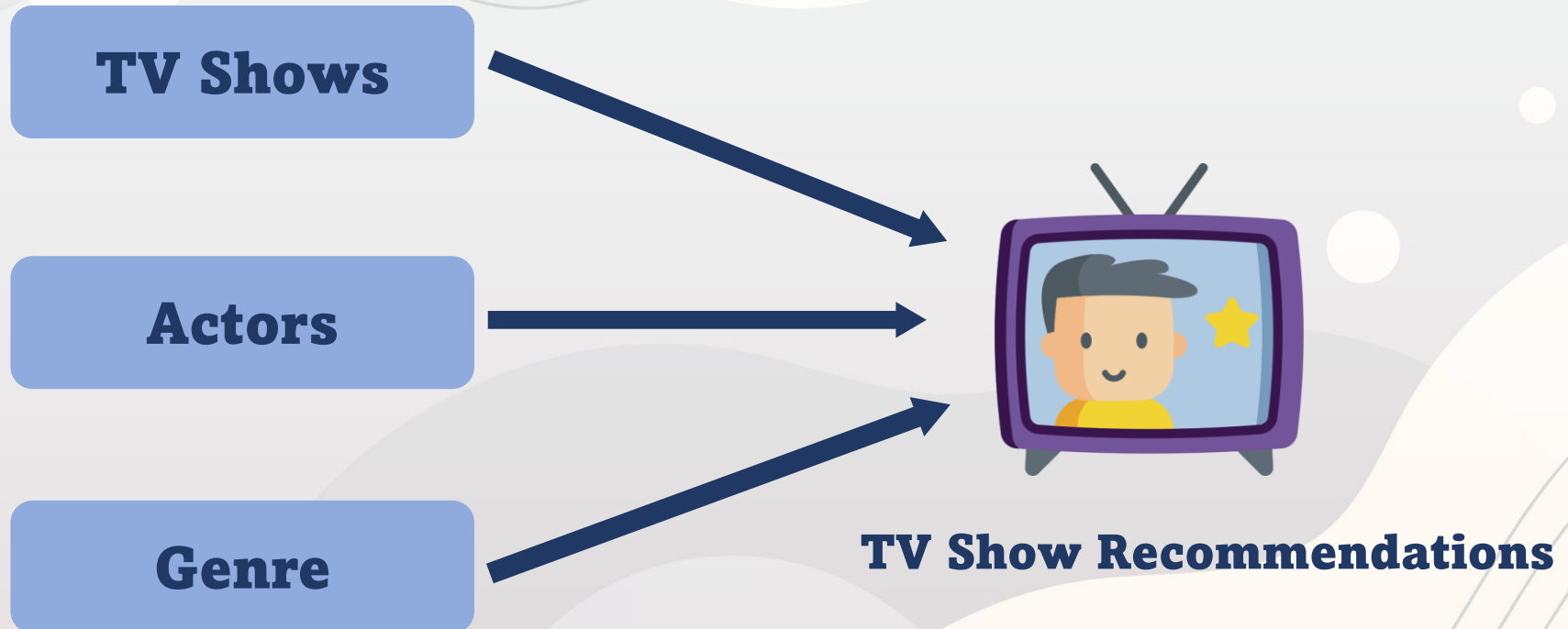
# Taking Notes from Speech



API : <http://localhost:3000/api/uploadNote>

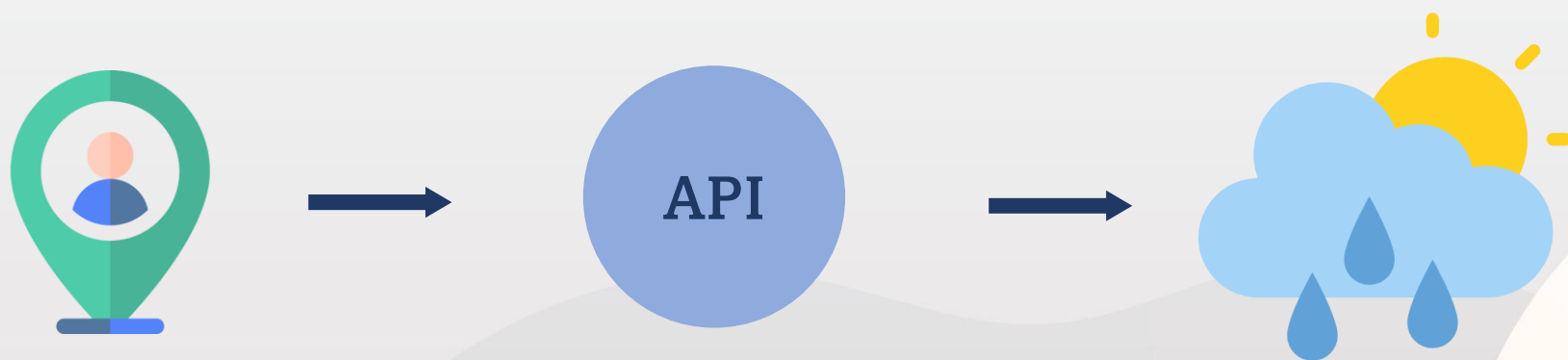
<http://localhost:3000/api/getAllNotes>

# TV Show Recommendations



Source: <https://api.tvmaze.com/search/shows>

# See Current Weather



Source: <http://api.weatherstack.com/current>



**Thank You!**