

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



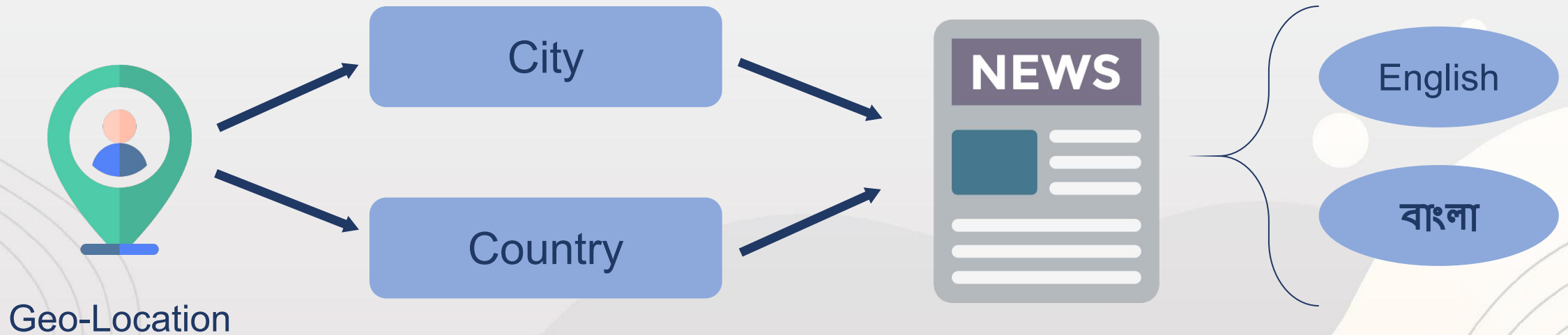
Source: <https://www.npmjs.com/package/microsoft-cognitiveservices-speech-sdk>

Music Recommendation



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

Parsing Top News in the Area

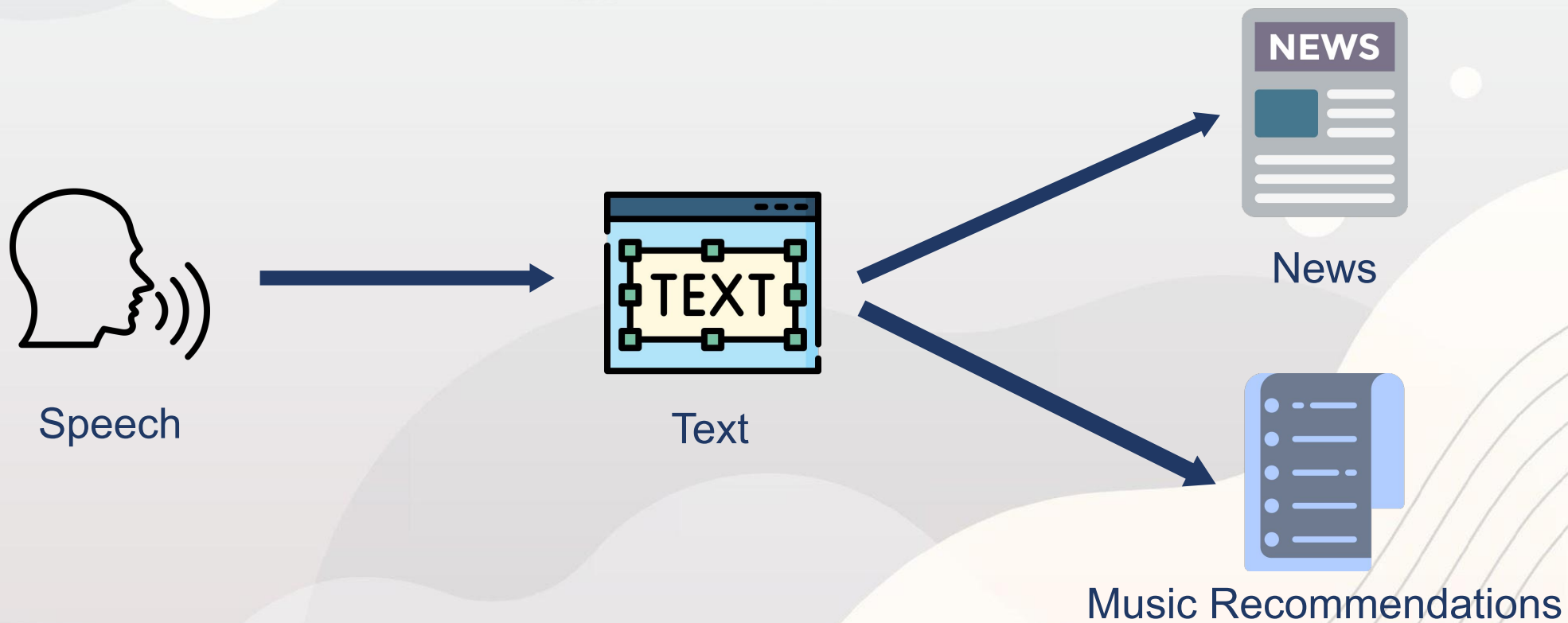


Source: https://google-news.p.rapidapi.com/v1/geo_headlines

Phase 2

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

Integration of System



Search

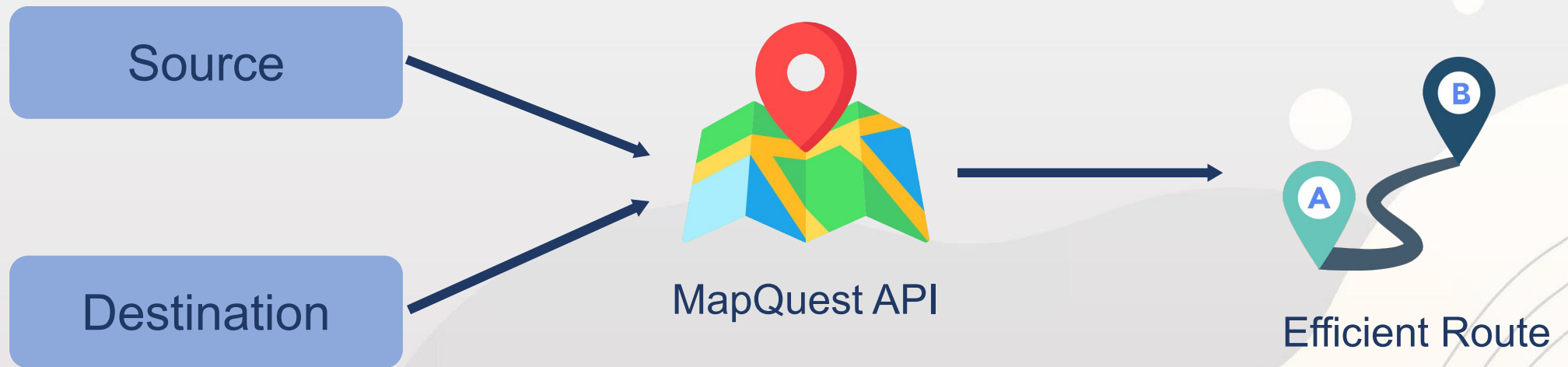


Source:

<https://serpapi.com/searches/87fa874d05a7fcc5/6165916694c6c7025deef5ab.json>

<https://www.npmjs.com/package/google-search-results-nodejs>

Route Planning

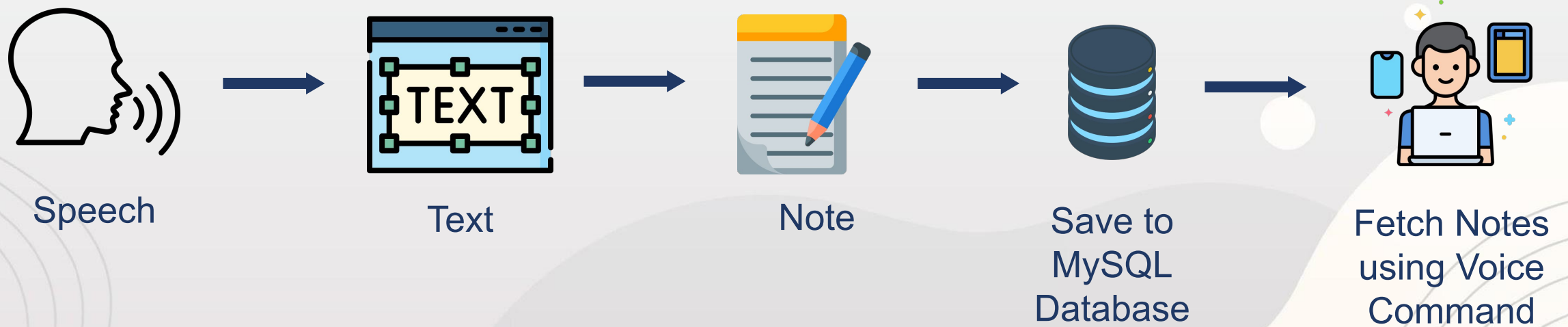


Source: <https://www.mapquestapi.com/directions/v2/route>

Phase 3

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

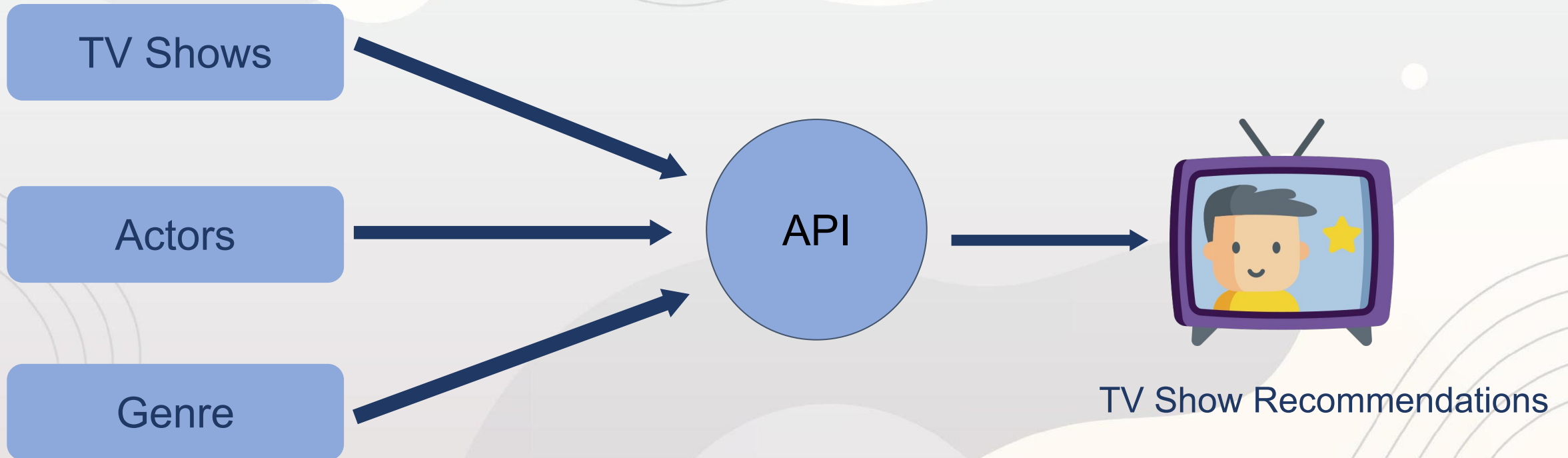
Taking Notes from Speech



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

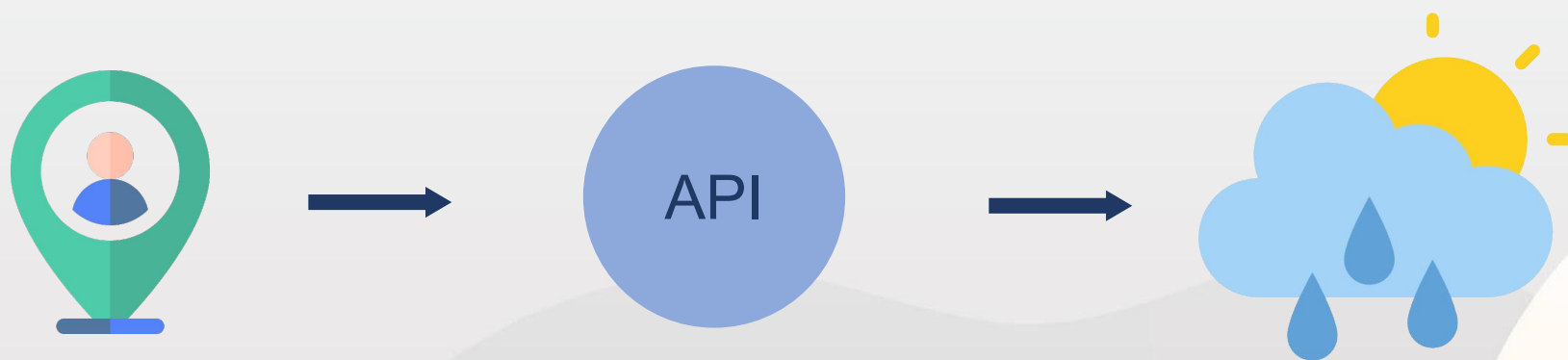
<http://localhost:3000/api/getAllNotes>

TV Show Recommendations



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

See Current Weather



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



Thank You!