QuackyInfo

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SoftDev1 pd 6
P01 -- ArRESTed Development
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Project Overview
　　　　Users will be able to create accounts and have their own calendars. With Ipapi the user's location can be obtained, which will be the main link connecting the usage of the other APIs. With the location, NewsAPI can be used to find news in the location's vicinity, AirVisual can be used to find the weather, and Ticketmaster can be used to find events to add to their calendars. The calendars and their events will be stored in a database. Users will also be able to search cities and favorite/star them, and these cities along with their news and weather can be found on their profile. These favorite cities will also be stored in database tables.

Database Schema

Profile Table	
Column Name	Type
UserID	INTEGER PRIMARY_KEY
Username	TEXT
Password	TEXT (hash code)
CalendarEvents	TEXT (List)
StarredLocations	TEXT (List of ID)

Location Table	
Column Name	Type
LocationID	INTEGER PRIMARY_KEY
Location Name	TEXT

Events table	

Column Name	Type
EventID	INTEGER PRIMARY_KEY
Event Name	TEXT
Date	DATETIME
Location	TEXT

Features:
- [Calendar](#)
- Weather
- Searching

APIs
- NewsAPI
- Ipapi
- Ticketmaster (maybe)
- AirVisual

Structure
- Get IP address using ipapi api
    - From the api get the weather
    - Get the news from the location
    - Get some events to add to the calendar
- Search for location
    - Goes back to above points

Site Map

Login

Username: _____
Password: _____

Not registered yet?

Logout

Hello, Username!
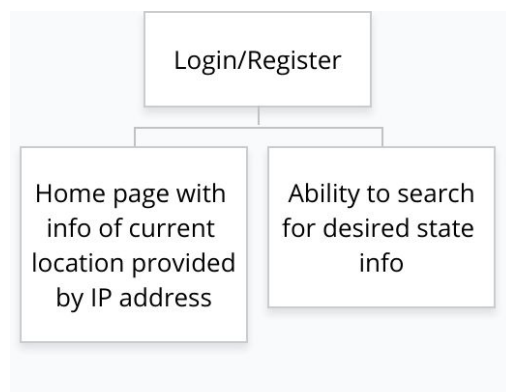IP Address: _____

Weather - NY

Temperature: __
Humidity: __
Wind speed: __
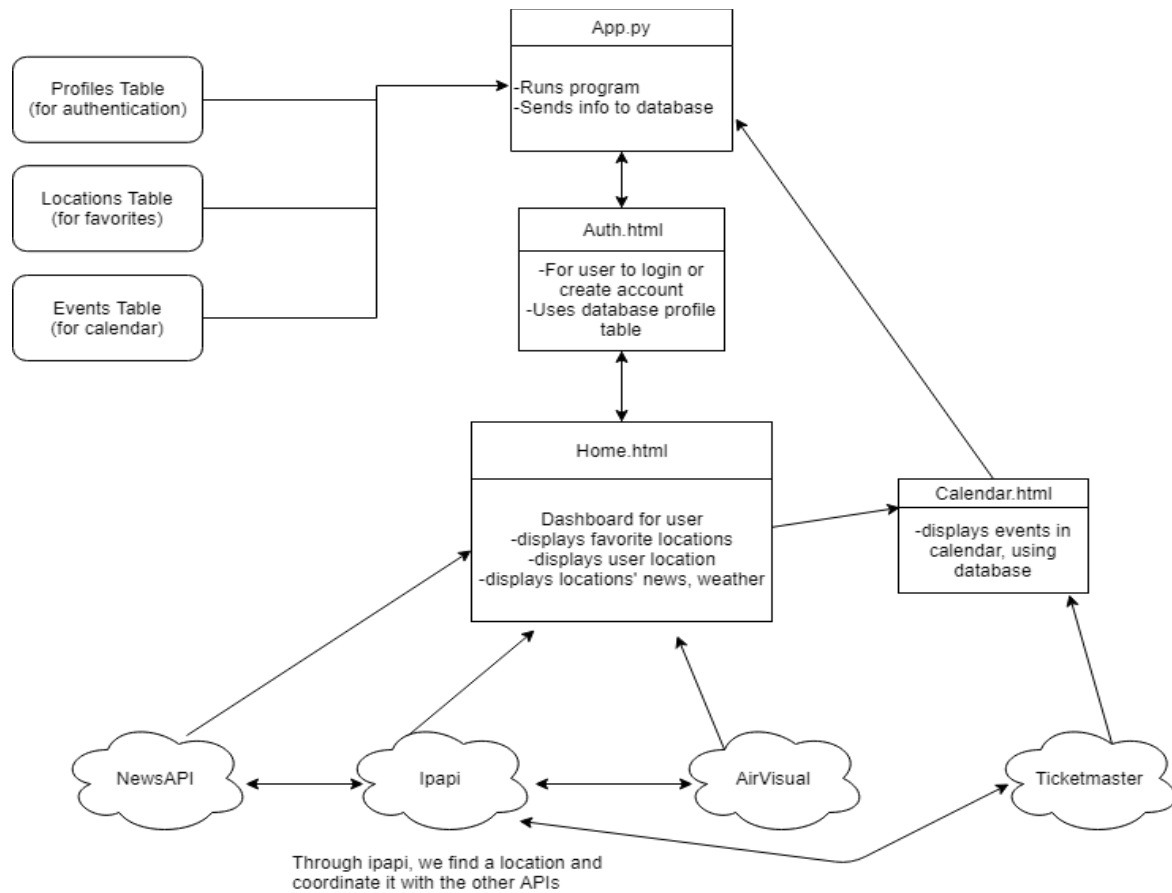
Calendar

News Headline: _____

Login/Register

| Home page with info of current location provided by IP address | Ability to search for desired state info |

Component Map

Task Division
Daniel Gelfand - Handling AirVisual API
Joshua Weiner - Handling News API and Calendar
Kyle Tau - Front end/Bootstrap/HTML
Jeffrey Wu - Database