CIS233

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**Available API’s**

10 Different APIs I found upon doing research:

1. OpenWeatherMap API: It's a useful API that provides weather data and forecasts for different locations. You can use it to get weather information for your apps or services.

2. Google Maps API: Offers mapping and geolocation services. You can use it to add maps, perform location-based tasks in your applications, and get directions.

3. Twitter API: You can access tweets, post tweets, and retrieve user information programmatically.

4. Spotify Web API: lets you use Spotify's music catalog and similar data. You can easily integrate music streaming capabilities into your applications.

5. GitHub API: Allows you to interact with GitHub repositories, search for code, and manage them.

6. NASA API: Provides access to NASA resources like space images, astronomy data, and even Mars rover photos. Useful for things like educational purposes.

7. Stripe API: Lets you integrate secure payment functionality into your apps or services.

8. Twilio API: Can add messaging and calling capabilities to your applications. It's good for building real-time chat apps or sending SMS.

9. YouTube Data API: Lets you access YouTube's video-related data programmatically. Get comments, video metadata, and playlists to enhance your app's functionality.

10. JokeAPI: Provides random jokes in different categories.

These APIs are important tools used in practical applications and services within real-world situations. They serve functional purposes beyond educational purposes, proving their significance in various industries. API providers understand the importance of providing comprehensive documentation, which includes sample code. The goal is to assist developers in effectively utilizing the APIs by offering practical examples on making requests and handling responses. The sample code is carefully made to ensure developers can comprehend and utilize it easily. However, its ease of understanding may rely on the quality of the documentation provided and your familiarity with the programming language and related concepts. Acquiring knowledge and experience will empower you to decipher the sample code and seamlessly integrate it into your projects.

At first glance, I can’t say its intelligible to me. Looks confusing but I’m sure if I get more opportunities to use one, I’m sure I could probably pick up on it soon enough. I can think of lots of useful little things to use for them for like our project, we can use OpenWeatherMap to add the weather for our 5 cities. It can probably give us the temperature and type of weather. More serious ones could be E-commerce and Payment Processing, it lets platforms incorporate payment gateways and enable secure online payments (Ex. Stripe API).