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**Application Analysis of “Flightradar24”**

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The application I have chosen to analyze is “Flightradar24”. Having up to the second information in this day and age is the new normal. Flightradar24 is an up to the second flight tracker app on ios and android that can pinpoint exactly where a plane is in the world. Pilots, before takeoff and landing, during the flight, and after landing, must relay their position, speed, direction, and intentions to air traffic control towers and other aircraft for the massive world of aviation to ensure minimal mishaps in this billion-dollar high-stakes industry. This information is open-source and broadcasts over multiple agencies to ensure smooth sailing.

Immediately upon opening the app, you are prompted to purchase a premium version where multiple enhancements are added to the application, such as AR view, which gives you the ability to point your device in the sky and detect any airplanes within the view of the device. The next screen is the main attraction, with thousands of yellow planes actively being tracked worldwide. The bottom of the main screen boasts five different options to include:

The 3D view gives you a direct view of the plane and what the surrounding area around the plane looks like.

A route tab that enables you to see the flight path of a selected aircraft. A more info tab highlights details about the specific aircraft model, its registration number, age, and country of origin. Finally, a follow feature to follow a particular aircraft and “share” a specific flight with a third party.

Data is located on every screen of the application. For example, thousands of yellow planes flood the home screen. When you select one plane, you can see the fine details of the flight.

Without the ability to dig deeper into the application’s source code, I will have to deduce that the application pulls data from one of the many famous flight APIs on the market. One API that comes immediately to mind is the open-source open-sky network API which can be utilized with java or python and can be utilized with any JSON-based rest APIs.

The data delivered by this application interacts with its users to help people understand the location of a specific plane in the world. It also allows users to identify what type of aircraft and the history of the aircraft, along with the specifications of the plane. The information that users could use would help them determine if they had to book another flight upon arrival at their connection. They could also be mentally prepared if they were to understand that the next plane they may have to board will be a propeller airplane or a Cessna. The displays are elegant in this app. With the search feature, I can easily spot the areas currently experiencing pollical unrest by seeing where planes are not flying and countries where planes are limited to only 12 flights a day.

This application has a wide variety of uses depending on your needs, from pilots who need a weather overlay to plan their flight path to the adventurer looking for that next adventure by picking a tiny island in the pacific they have the option to use a powerful app named “flightradar24.”