

Iter: A METAR Browsing and Flight Charting Mobile Application

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The Issue

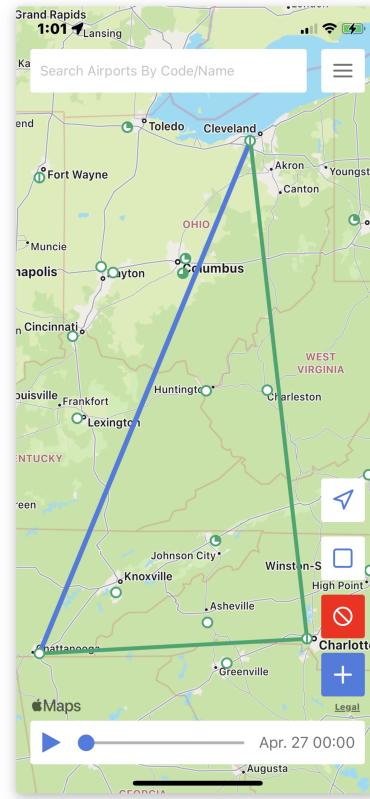
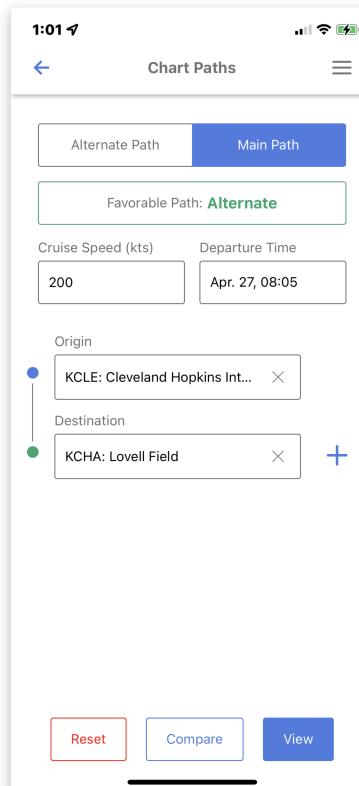
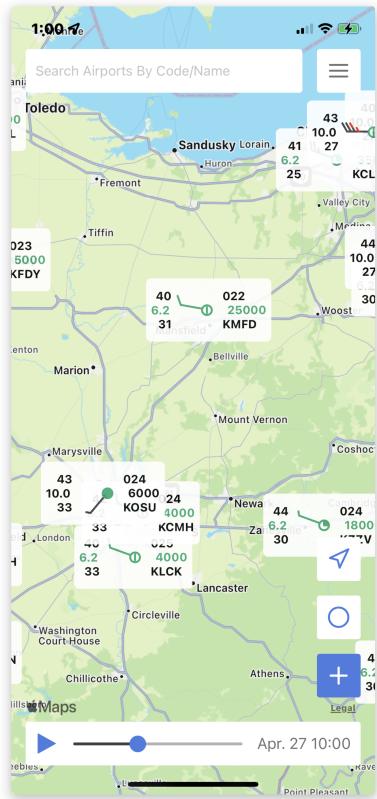
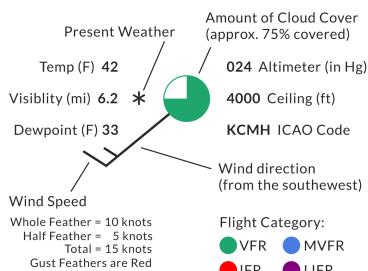
No efficient and accessible method of viewing both current and forecasted METAR data alongside flight path charting/comparison on a mobile device.

This hinders a pilot's capability to plan the most efficient and safe flight.

METARs

- Standardized global format for communicating observable weather data.
- Text + graphical formats

Modified Station Model



The Product

- Cross-platform mobile application using React Native
- Provide desired features:
 - Current + forecasted METAR Data
 - Dual Flight Path Charting
 - Automated Flight Path Comparison

The Process

1. Research of weather data sources and methods
2. Designing of UI/UX
3. Coding of Application

The Future

- Continue Development
- Display aircraft's forecasted location on path
 - Display individual paths on view screen with estimated travel time

