



RO-BERTA Hagelabwehr

THE app for everybody in Rosenheim



Motivation and goals

- Update the current app's design
- Cross platform app in App Store and Play Store

Technical content

- Implemented wireframes from TwoFour
- Implemented functionality with existing API



Fig. 1: TwoFour

MVP

- Track hail planes
- Load and report weather

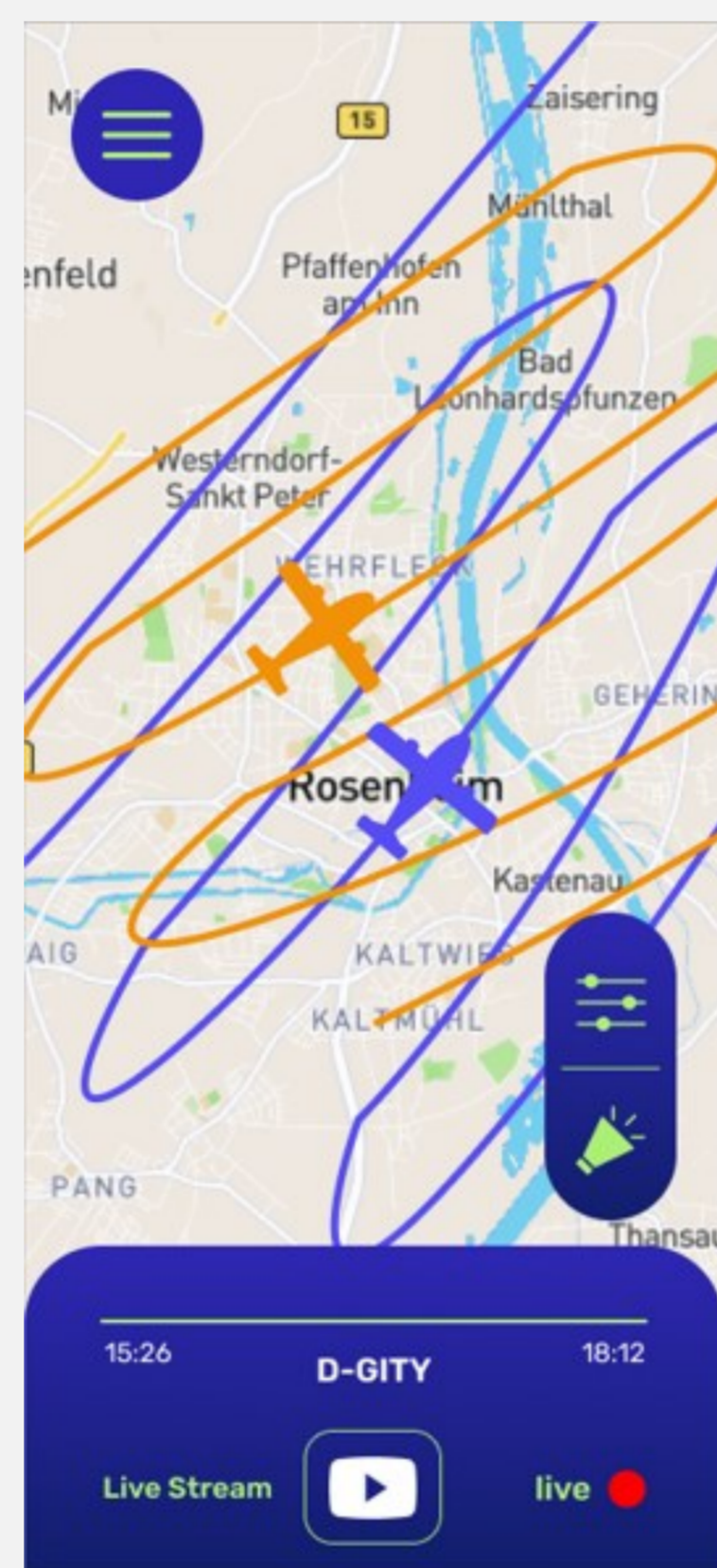


Fig. 2: Track-Flight Wireframe

Results

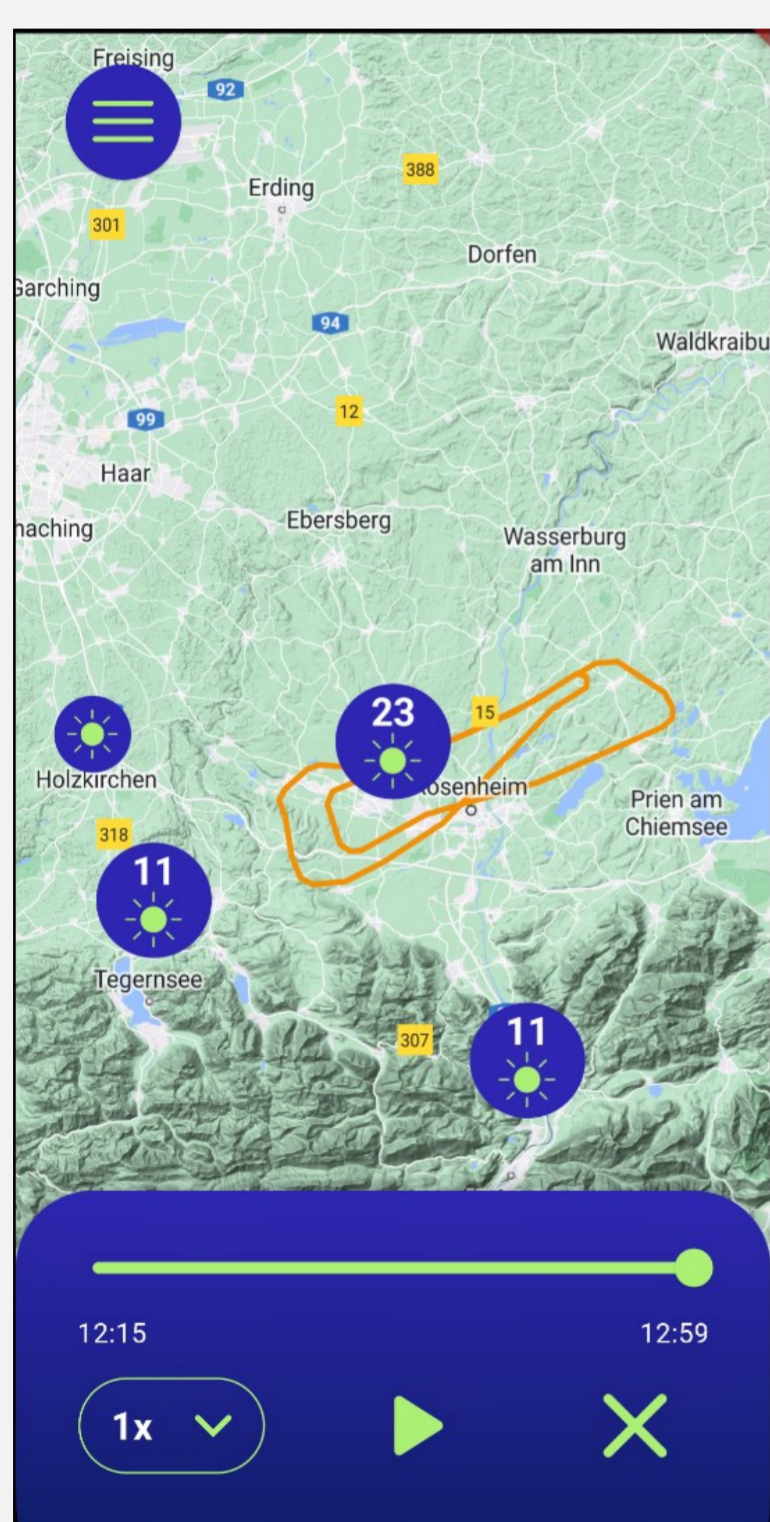


Fig. 3: Tracking flight

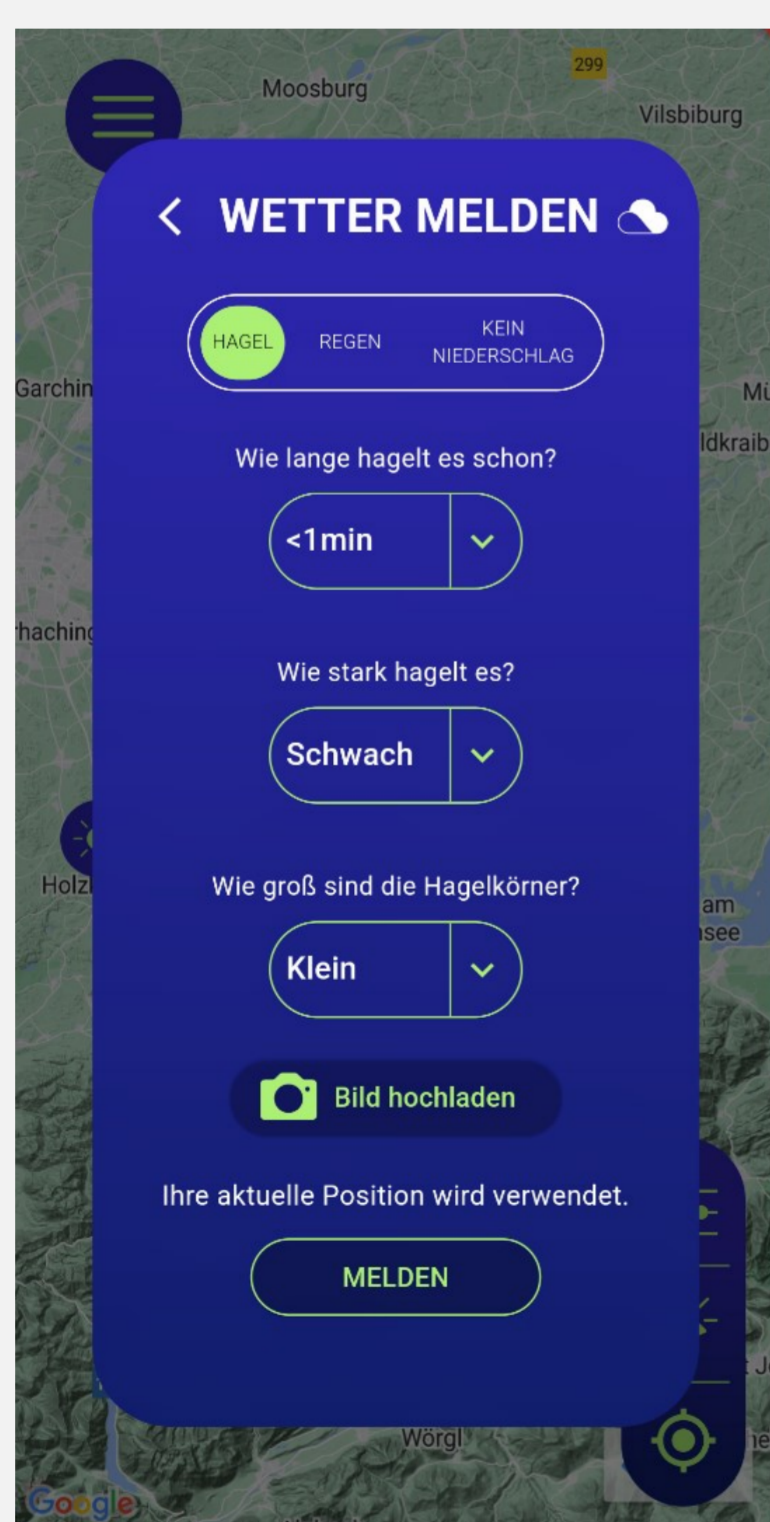


Fig. 4: Reporting weather

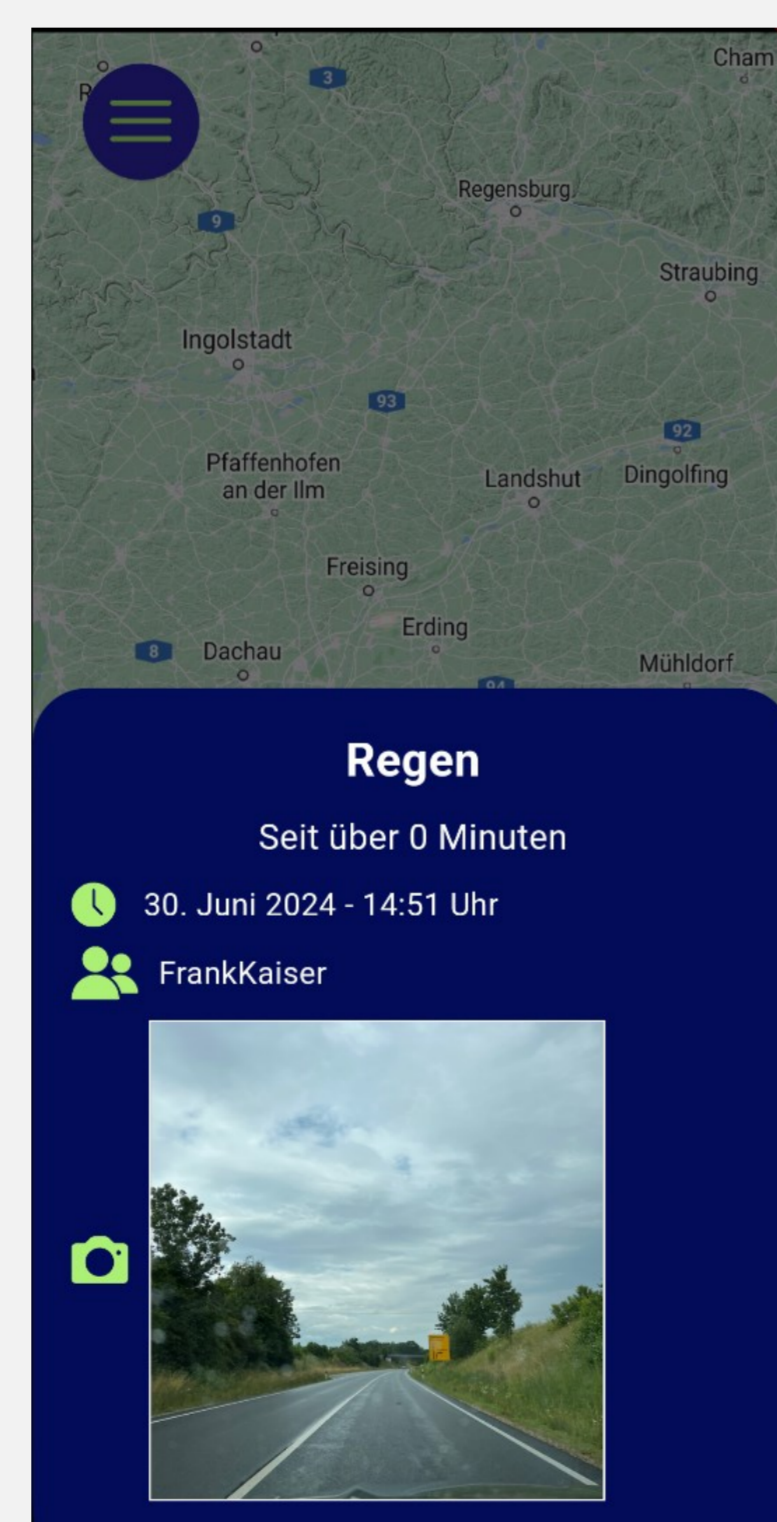


Fig. 5: Viewing weather

Challenges

- Adapting new application to existing API
- Rewriting existing dummy application
- Working with a new programming language and framework

Architecture and technology

- Plane has radar connection to backend
- Phone communicates with backend via http

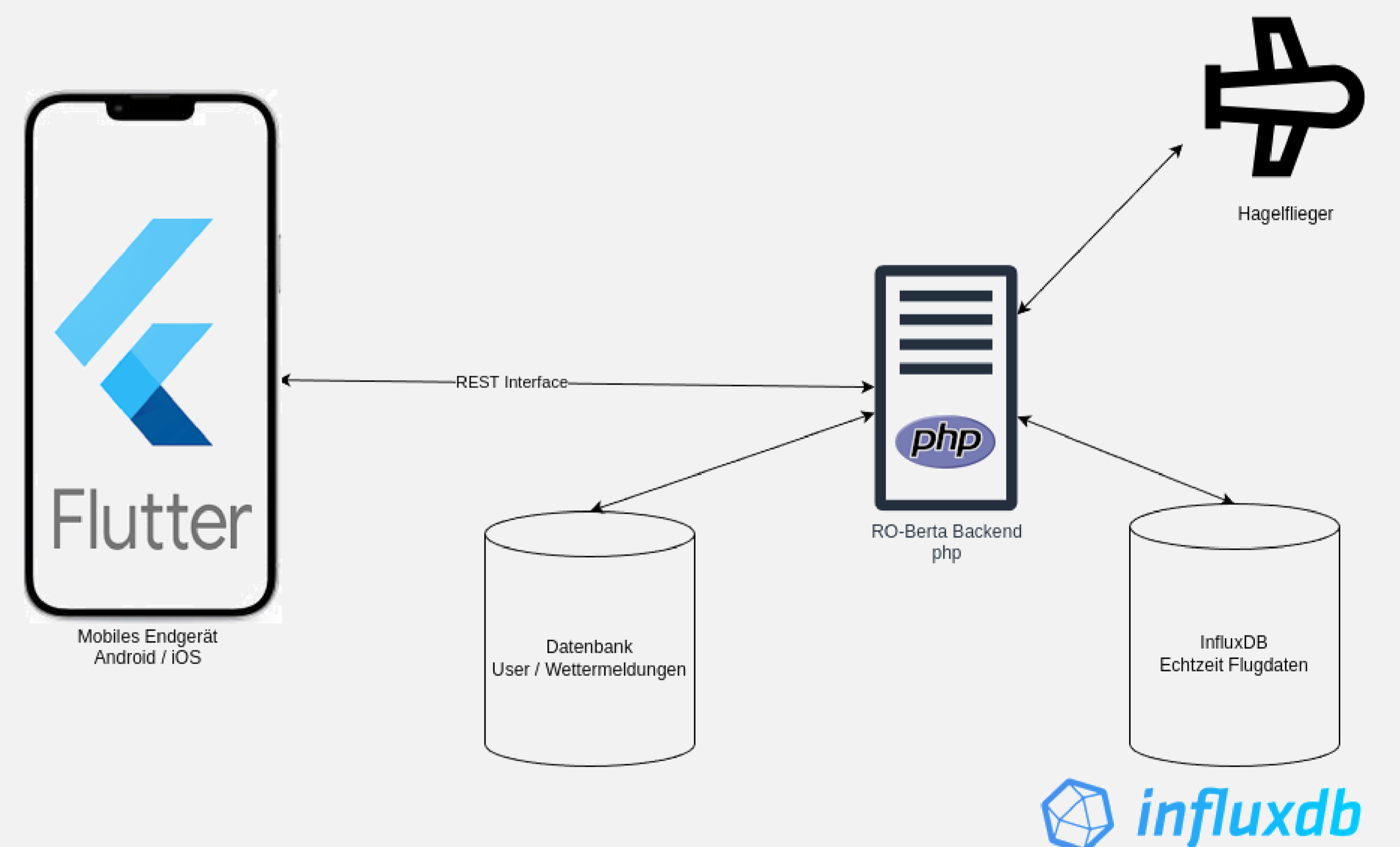


Fig. 6: Architecture diagram



Fig. 7: Hailplane "D-GOGO"

