

Assignment 2: Concrete Architecture Video Link



Report Assignments

Rishikesh Ramesh Menon (Leader): Discrepancies Between Conceptual and Concrete Arch., Lessons Learned

Zain Imam Zaidi (Presenter): Descriptions of Top-Level Subsystems

Manraj Singh Juneja (Presenter): Descriptions of Top-Level Subsystems

William Ban: Use Cases and Diagrams

Sara Jaffer: Analysis of Autopilot Subsystem

Vasuki Elamaldeniya: Derivation Process



✓ 01
Introduction

Agenda

02
Derivation
Process

03 Concrete Subsystems

Q4Analysis of Autopilot

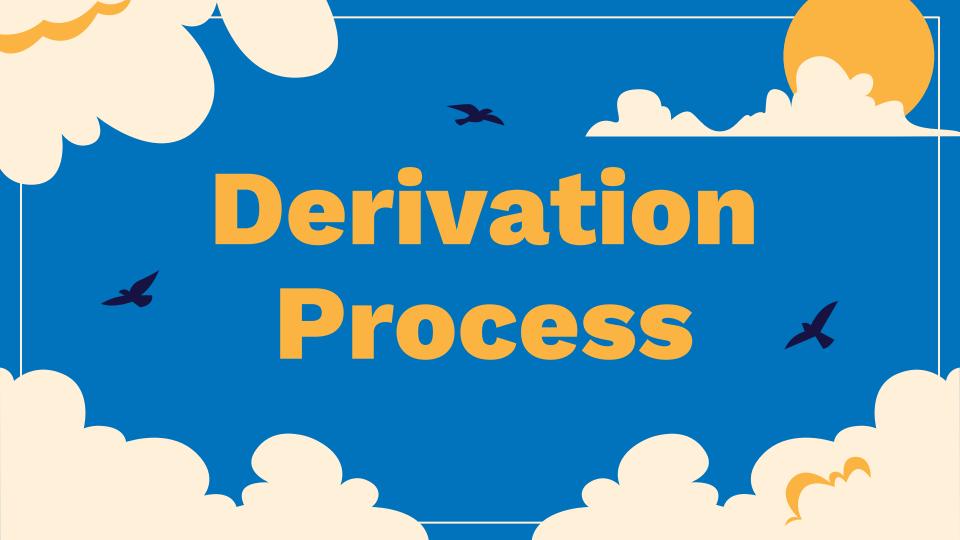
05
Reflexion Analysis

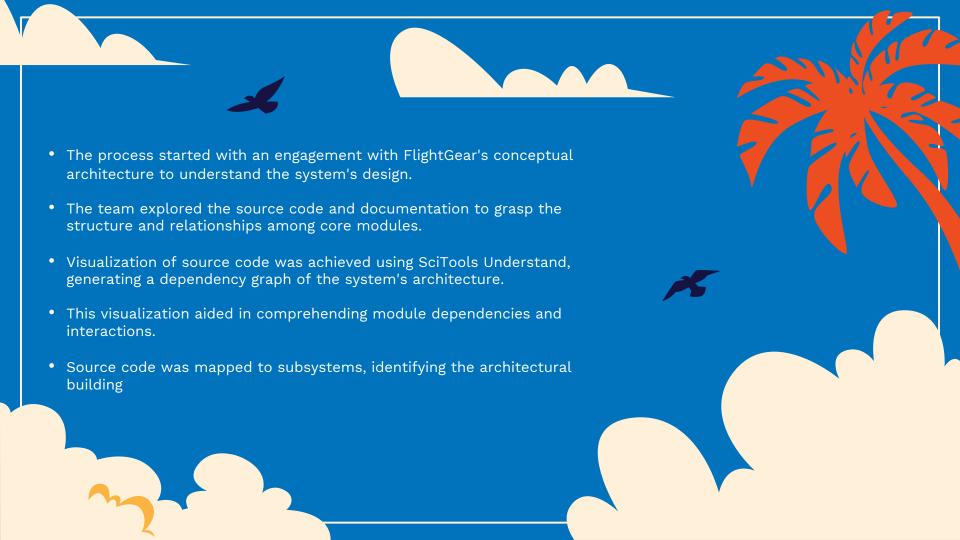
06 Use Cases





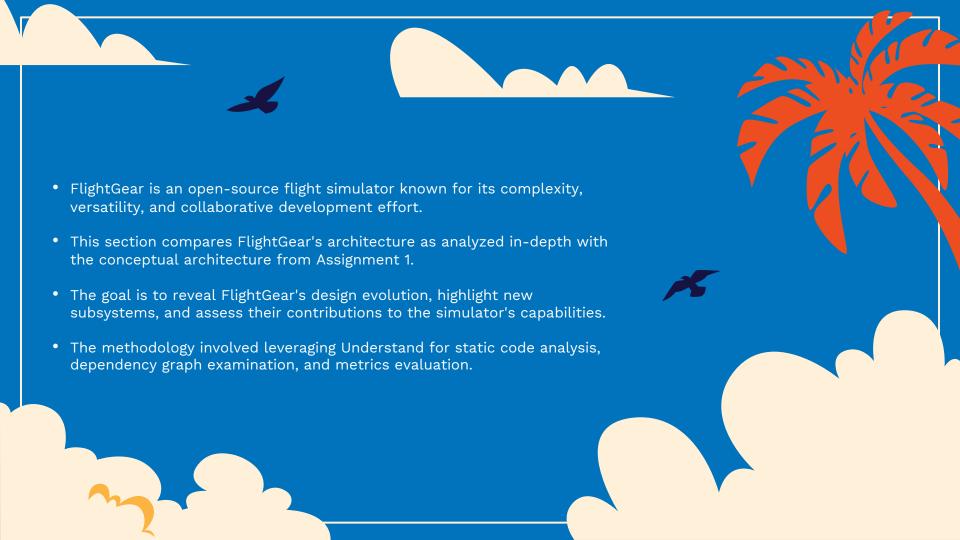




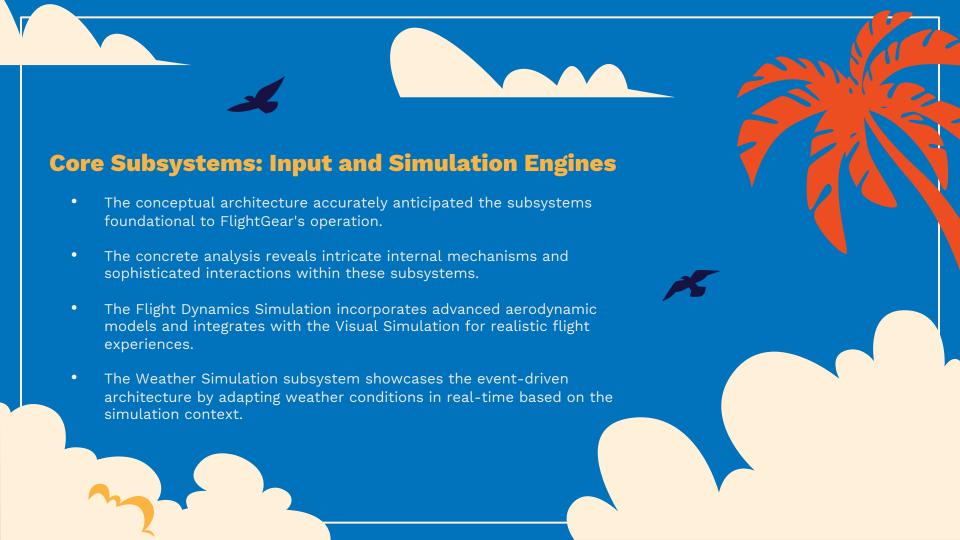


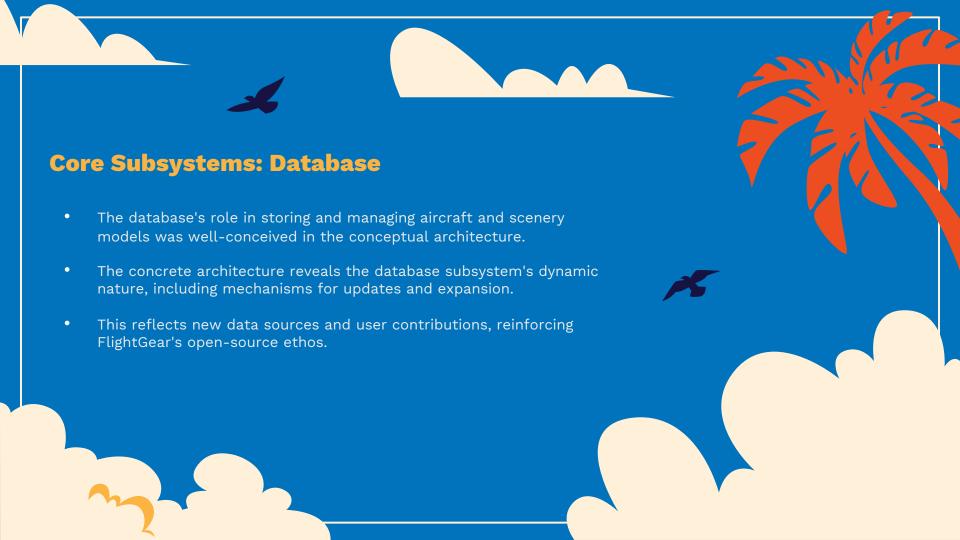


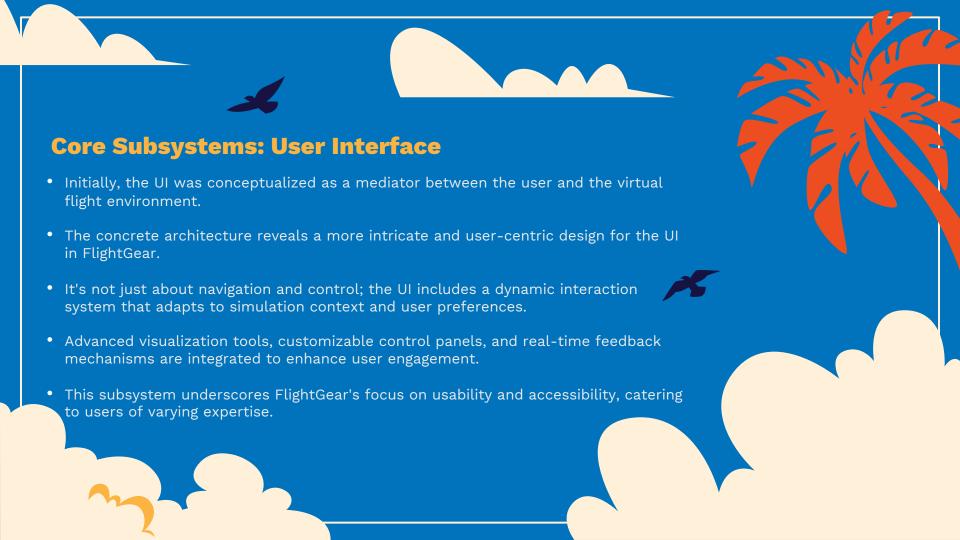
Concrete Subsystems

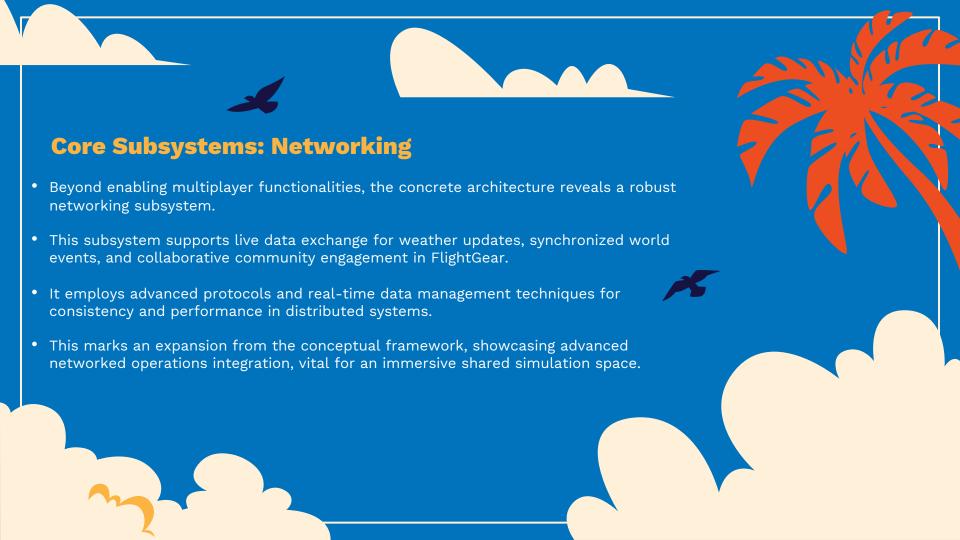


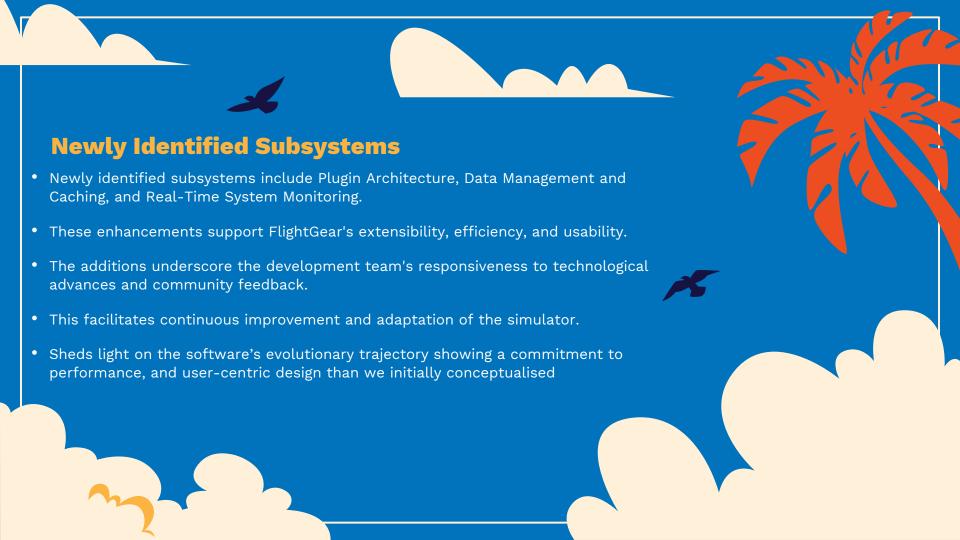




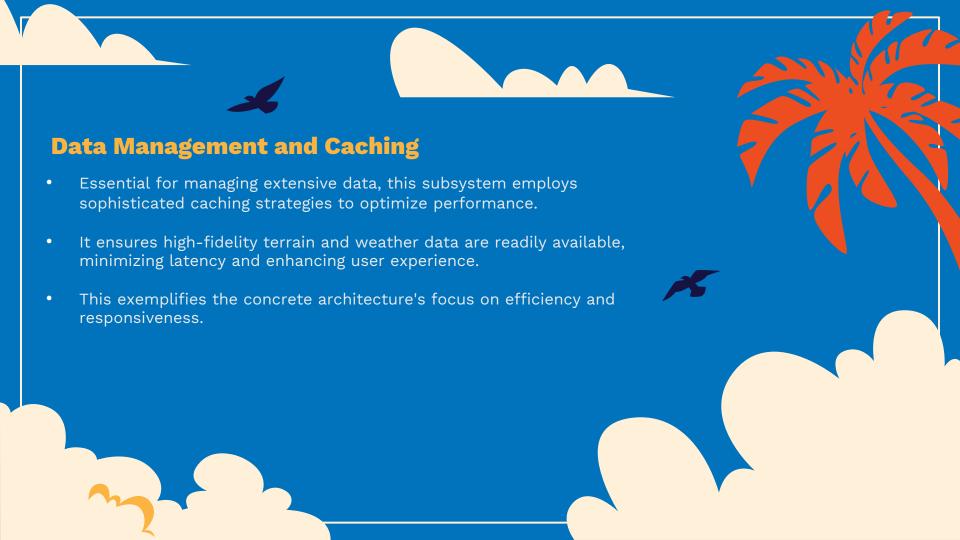






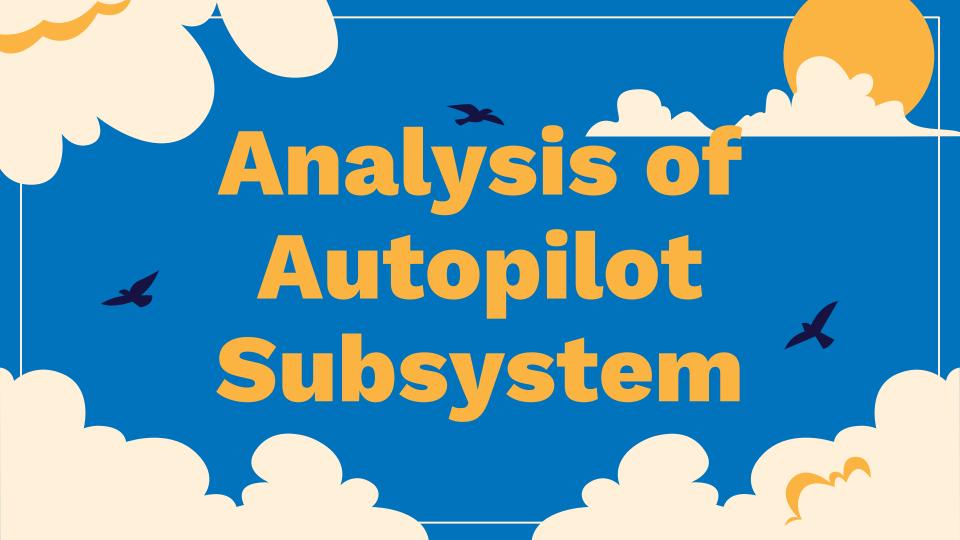


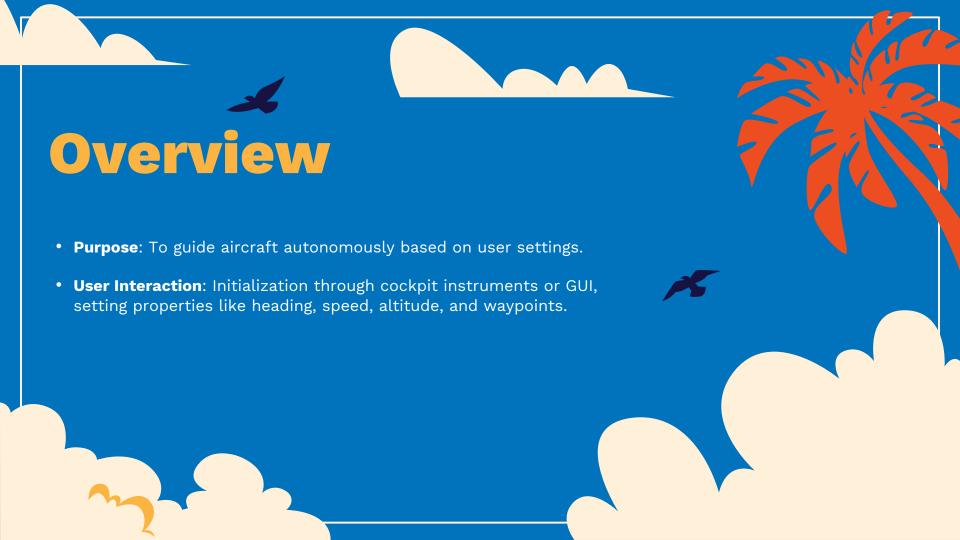






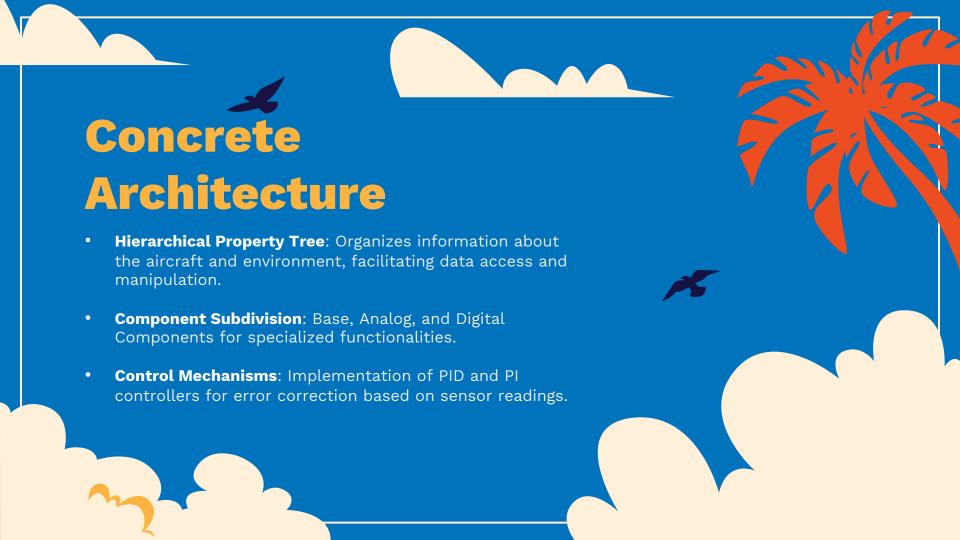




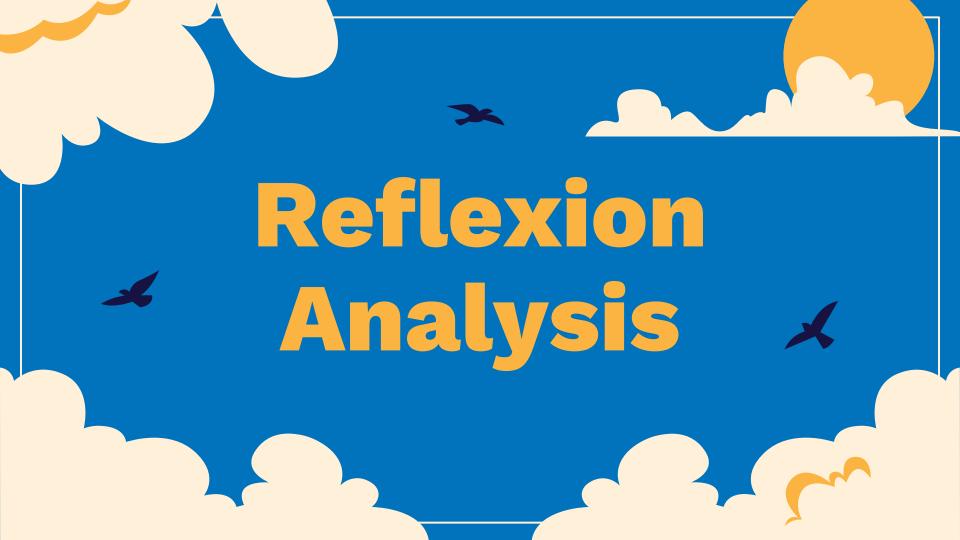


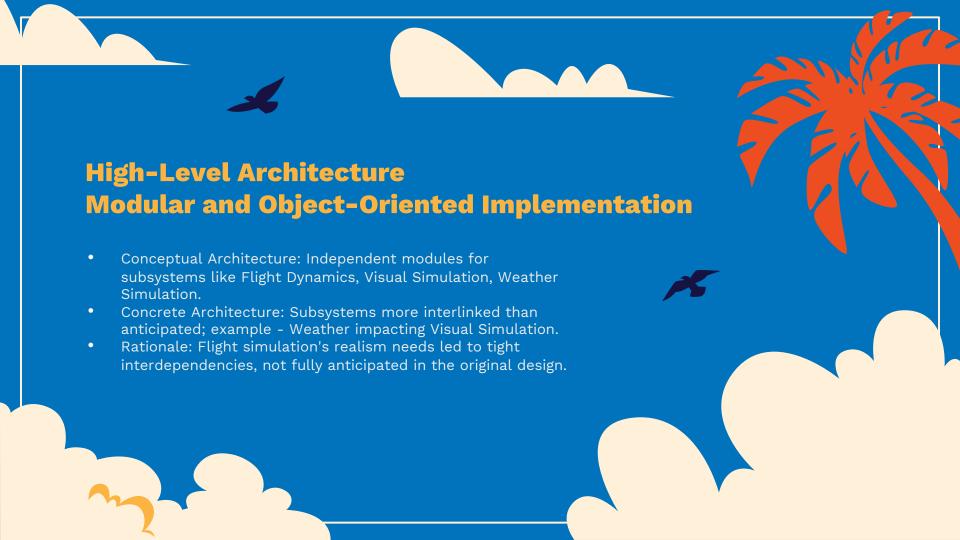


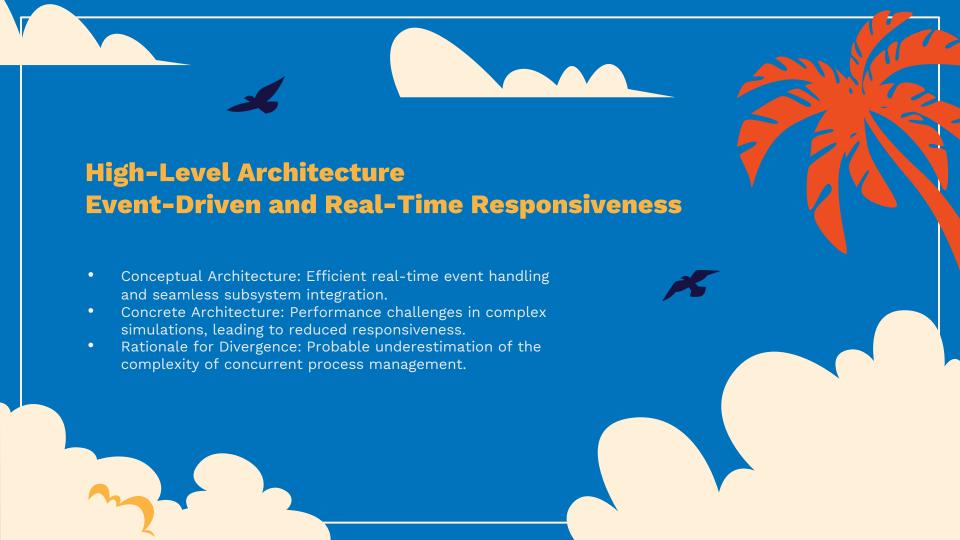
- **Architecture**: High-level abstraction focusing on dependency and functionality.
- Key Components: Autopilot Manager and Autopilot Components Manager
- **Event-Driven Approach**: Sensor changes and user inputs as event producers, triggering the Autopilot and Components Manager for adjustments.



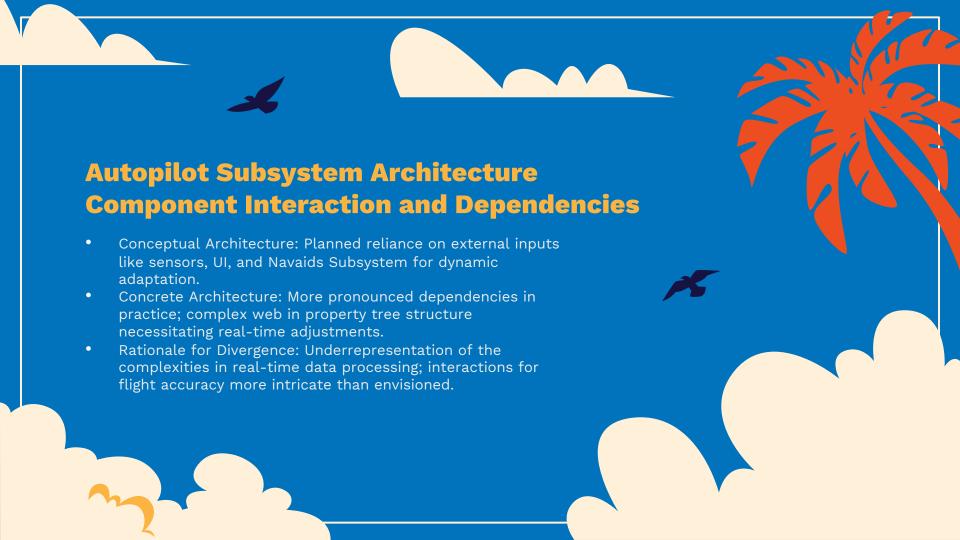


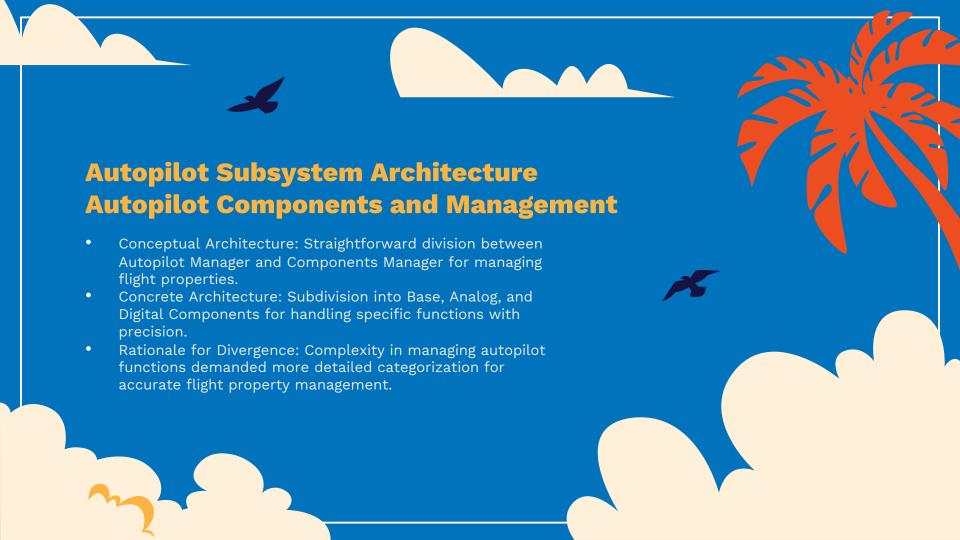


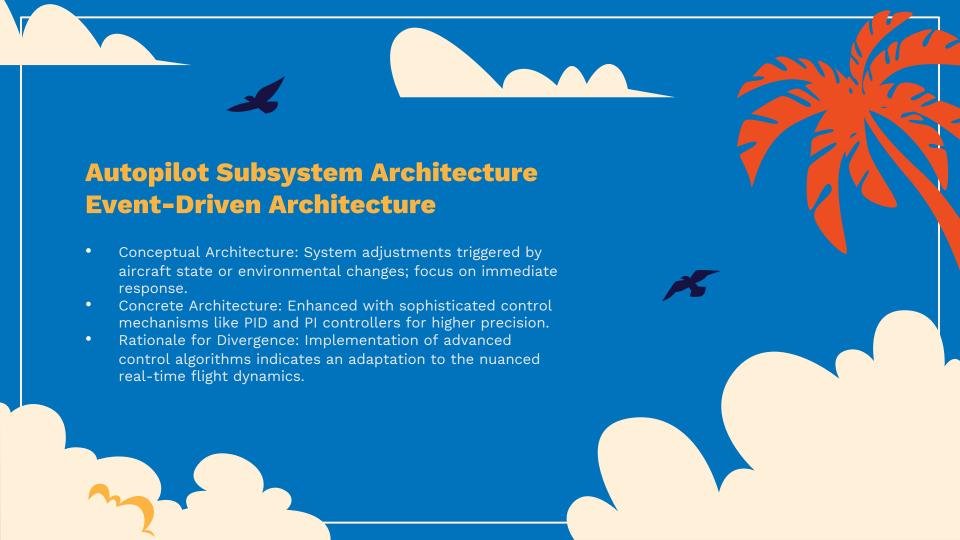


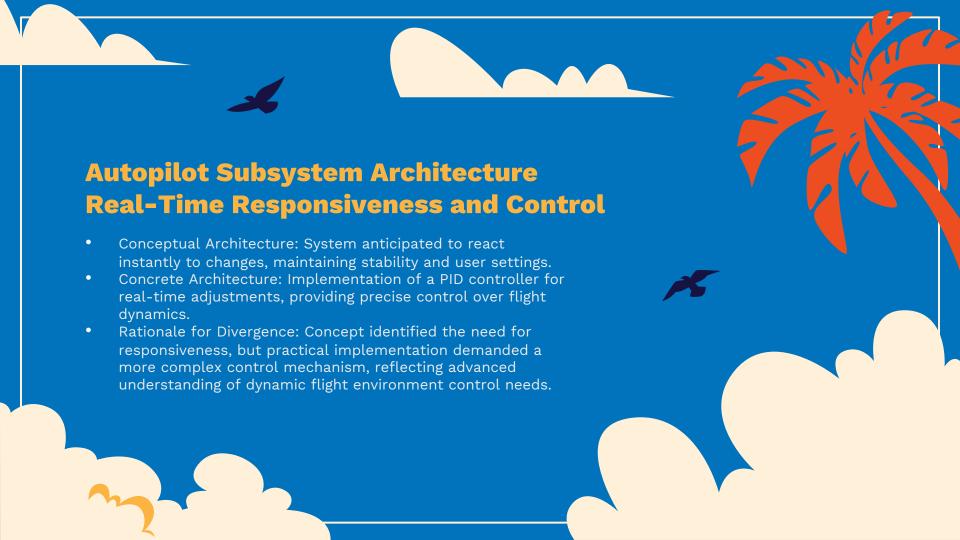






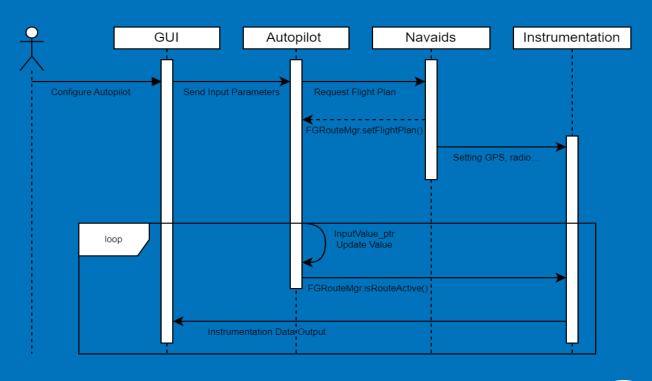








Use Case 1: Autopilot Configuration



Use Case 2: Choose an airport for landing in midway

