

# K-12 Operations Ecosystem Workflow Diagrams

End-to-end workflow analysis, cross-platform integration mapping, and modernization opportunities across nutrition, finance, and administrative systems serving 50,000+ students.

## Portfolio Context

### Project Scope

- District-wide operations
- Multi-platform ecosystem
- 5 integrated systems
- 200+ staff users

### Systems Analyzed

- TITAN (Nutrition)
- Colyar (POS)
- ISITE (Admin Portal)
- Alio (Finance/HR/ERP)
- State Reporting

### Key Findings

- 40% manual handoffs
- 3-week reimbursement lag
- Duplicate data entry
- 15+ integration gaps

### Diagram Approach

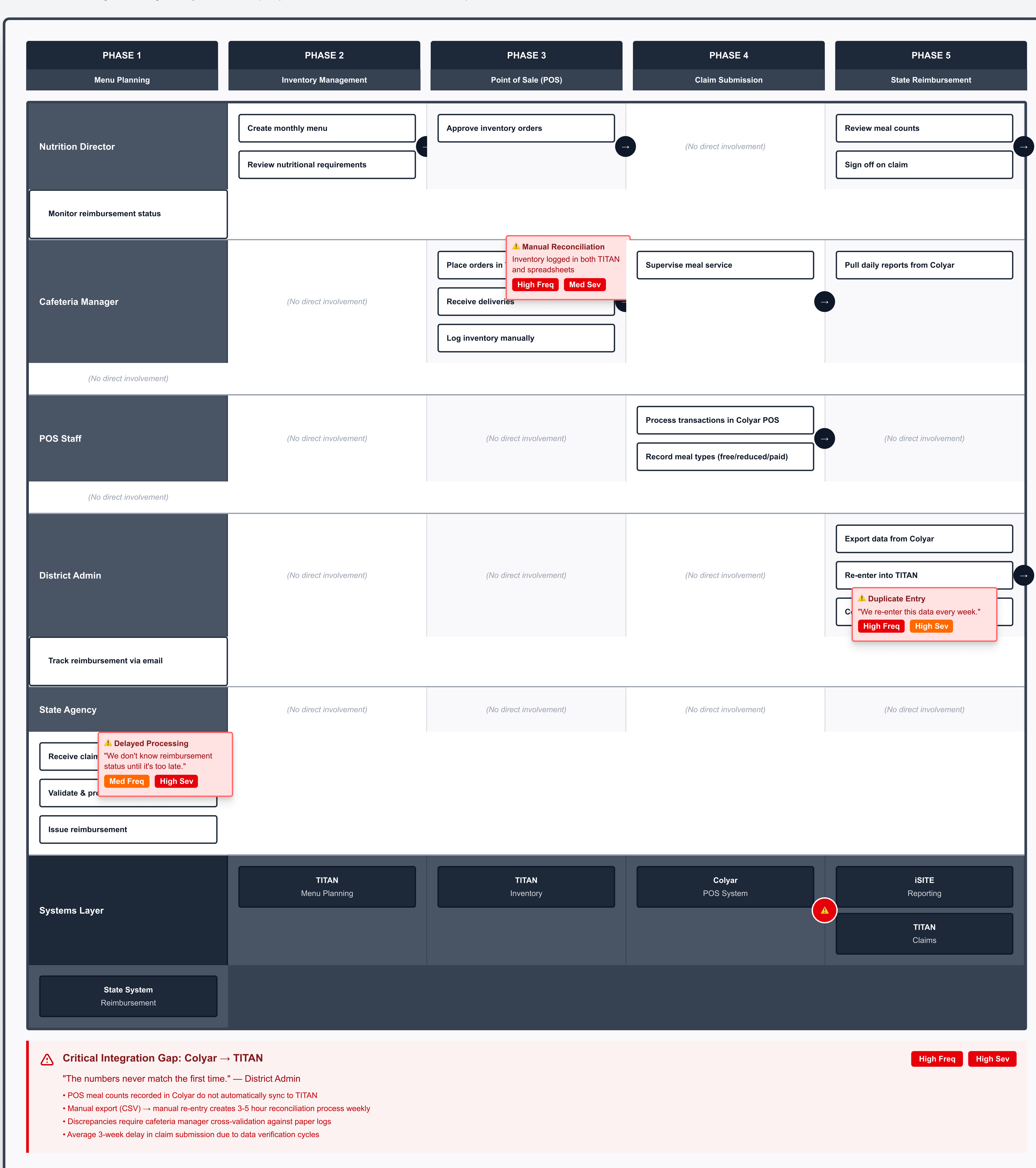
- Swimlane workflows
- Service blueprints
- System architecture
- Pain point overlays

### Diagram Legend

- System Boundary
- Process Step
- Automated Flow
- Manual Handoff

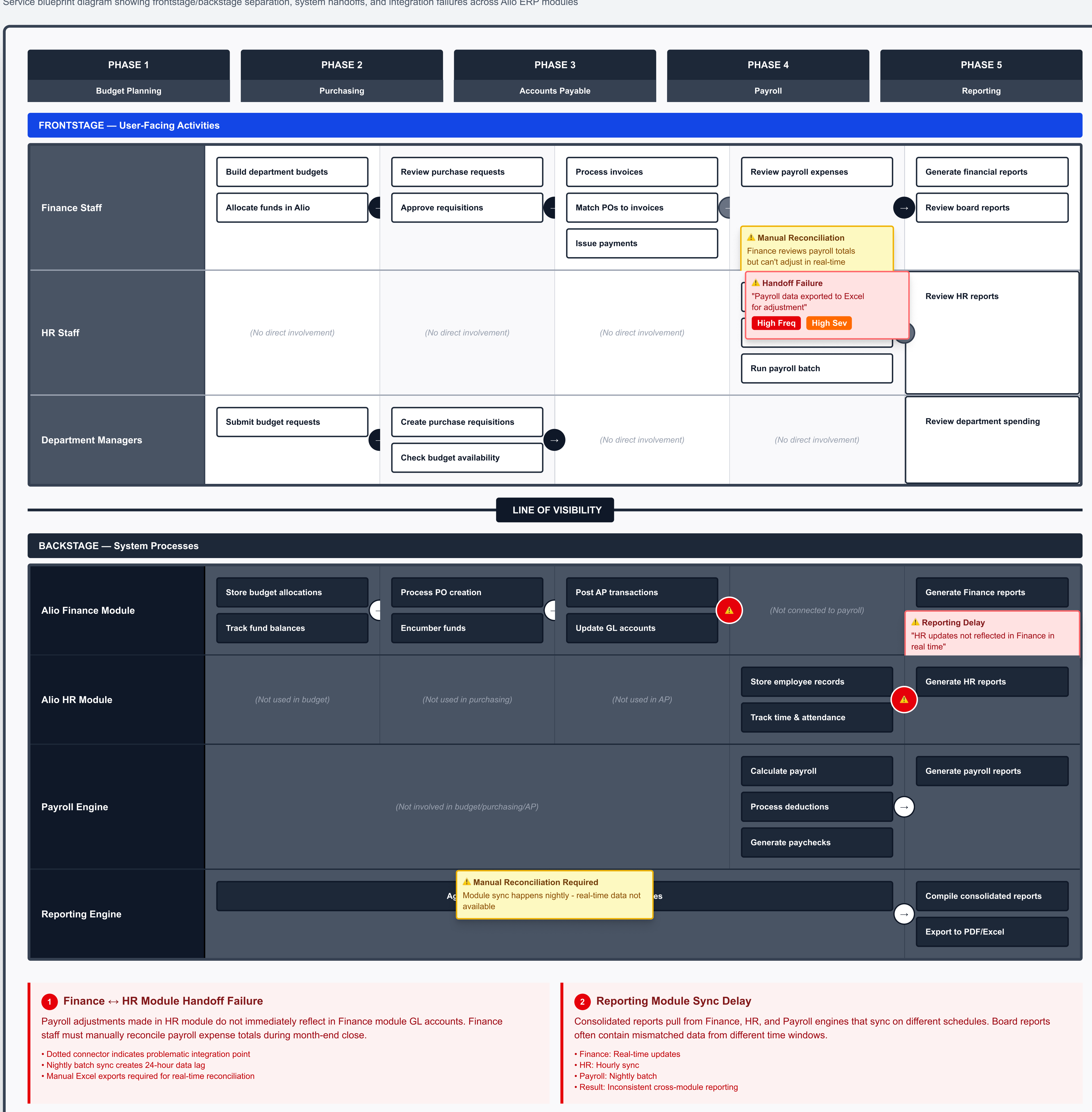
## DIAGRAM 1 Nutrition Workflow: Menu Planning to State Reimbursement

End-to-end swimlane diagram showing cross-system workflow, pain points, and manual handoffs across nutrition operations



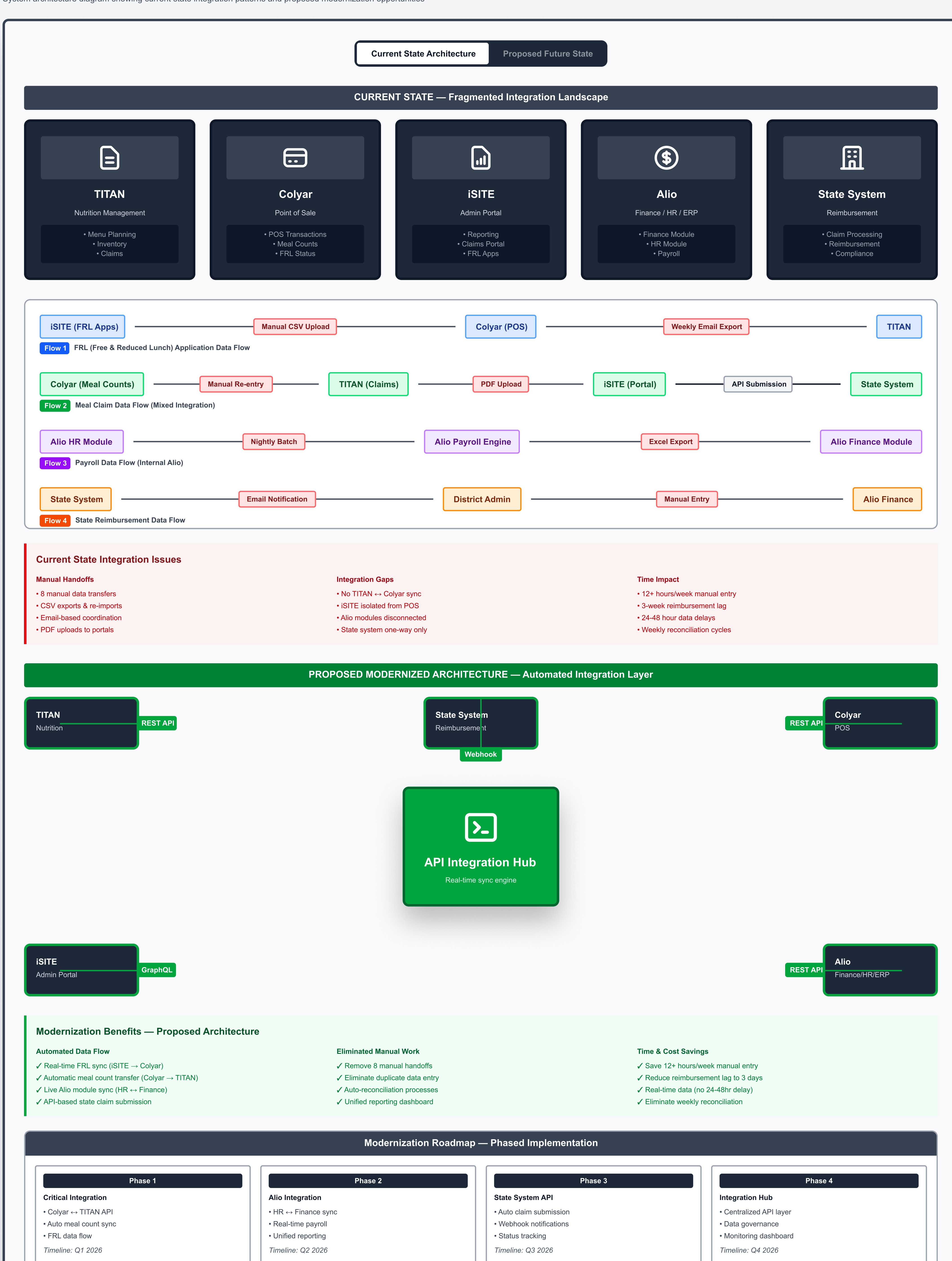
## DIAGRAM 2 Finance & ERP Workflow: Budget to Reporting

Service blueprint diagram showing frontstage/backstage separation, system handoffs, and integration failures across Alio ERP modules



## DIAGRAM 3 Cross-System Integration & Data Flow Architecture

System architecture diagram showing current state integration patterns and proposed modernization opportunities



## Impact Summary

### Discovery Outcomes

- Mapped 15+ system touchpoints across 3 major workflows
- Identified 23 operational friction points with severity ratings
- Documented 8 manual handoffs requiring 12+ hours/week
- Quantified 3-week delay in state reimbursement processing

### Modernization Opportunities

- API integration replacing 6 manual export/import processes
- Real-time sync eliminating dual data entry (TITAN ↔ Colyar)
- Automated FRL eligibility flow reducing 40% manual verification
- Unified reporting dashboard consolidating 4 separate systems

### Skills Demonstrated

- Enterprise systems analysis & service blueprint development
- Cross-platform data flow mapping & integration design
- Operational friction identification through user research
- Platform modernization strategy & technical feasibility