

Alpha Presentation

Data Consistency and Reconciliation Tool

The Capstone Experience

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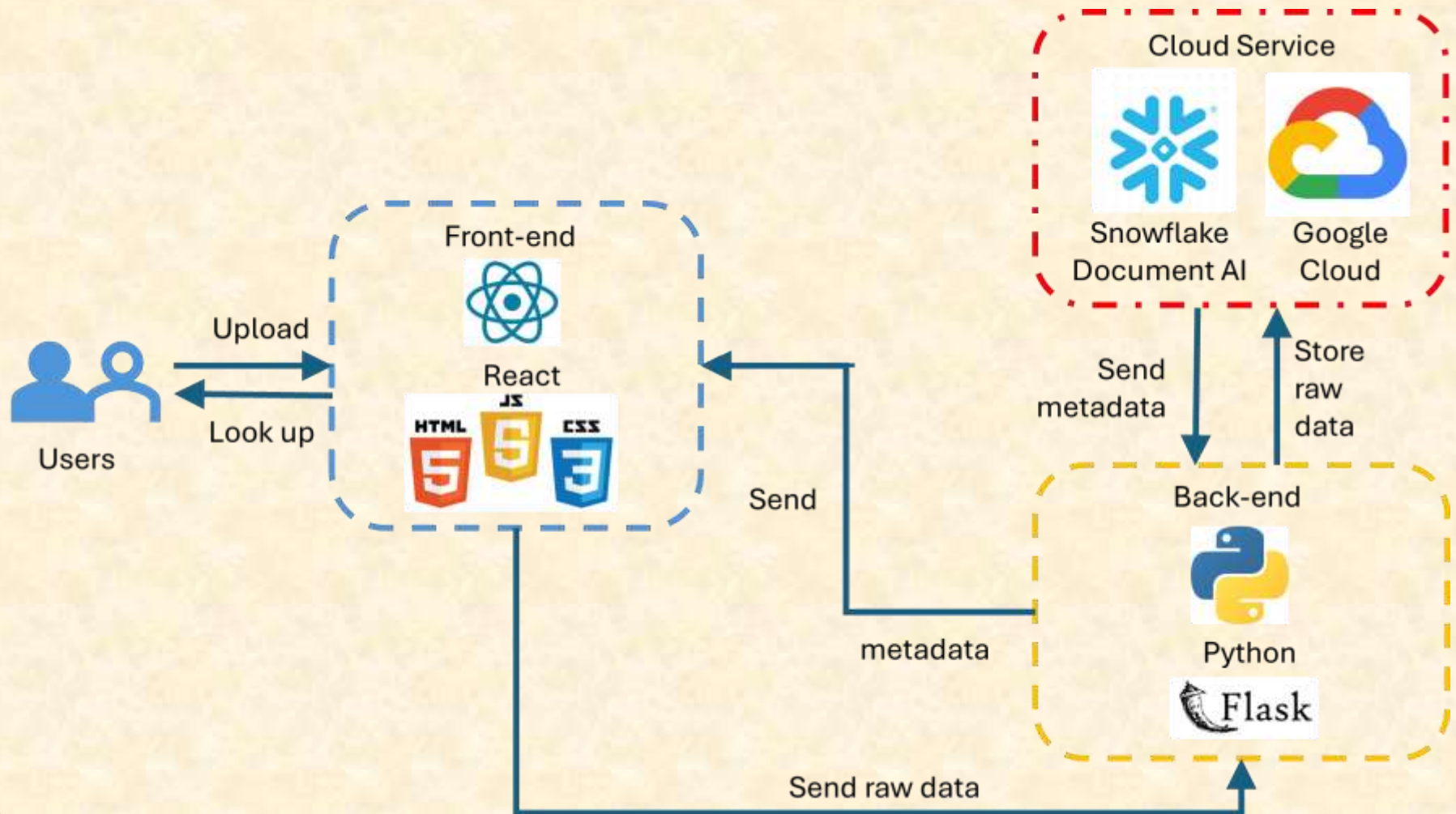


Project Overview

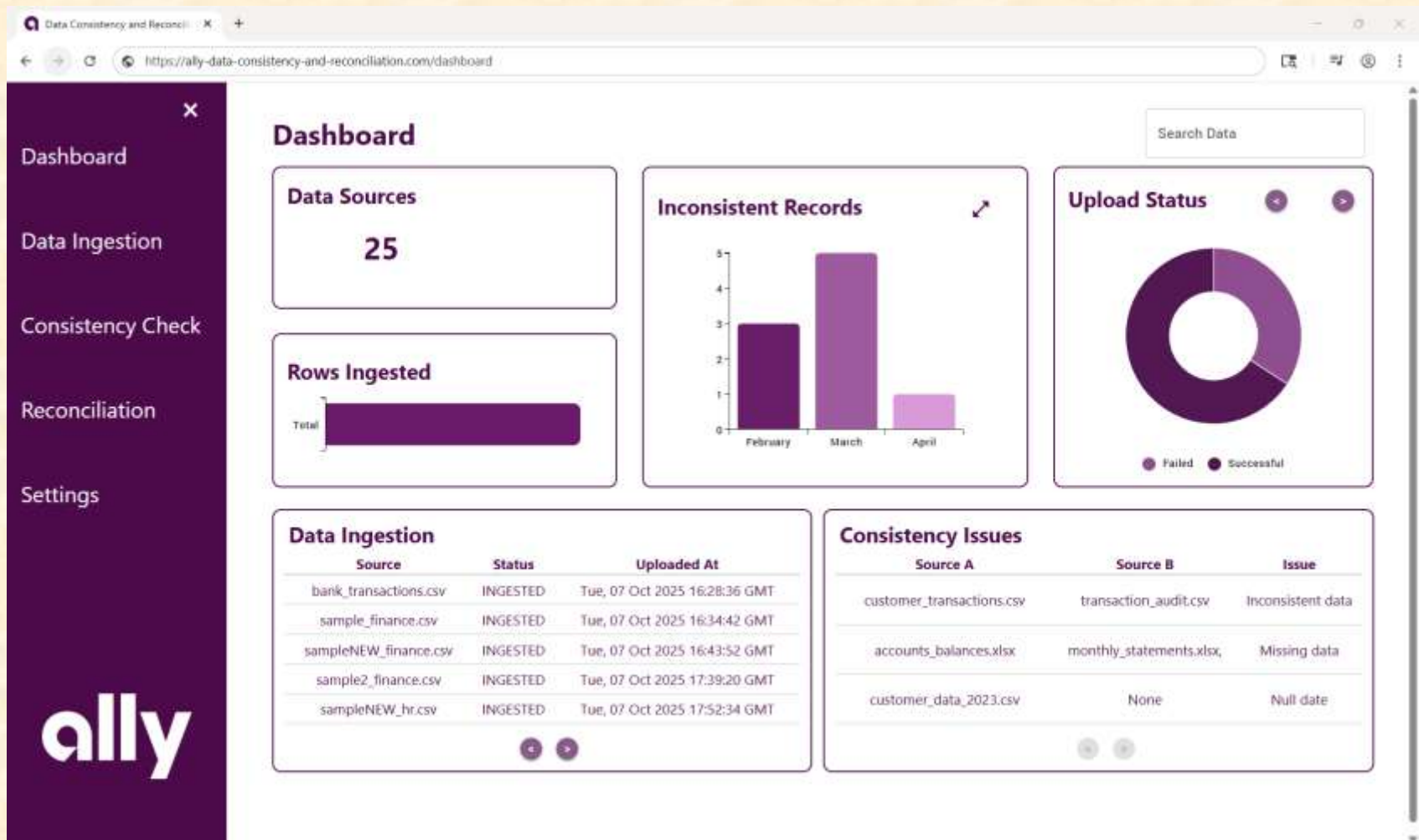
- Countless hours spent on manual data management, analysis, and reconciliation of data
- Web-based tool streamlining this process:
 - Allow users to upload data in multiple formats
 - Run consistency checks using ML tool
 - Provides user the ability to reconcile data
- Ensure consistency and accuracy across sources, improving the confidence in reporting and decision-making



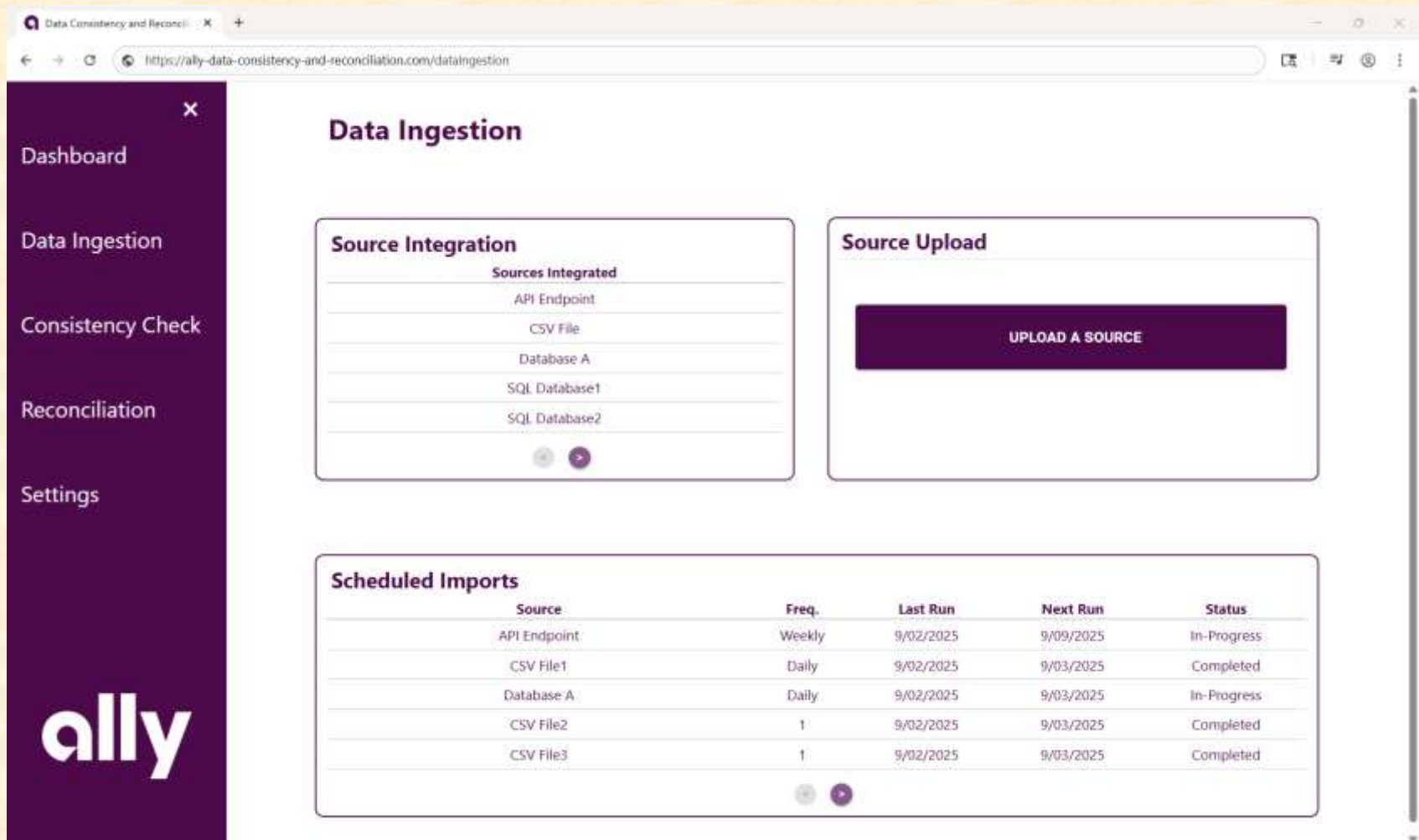
System Architecture



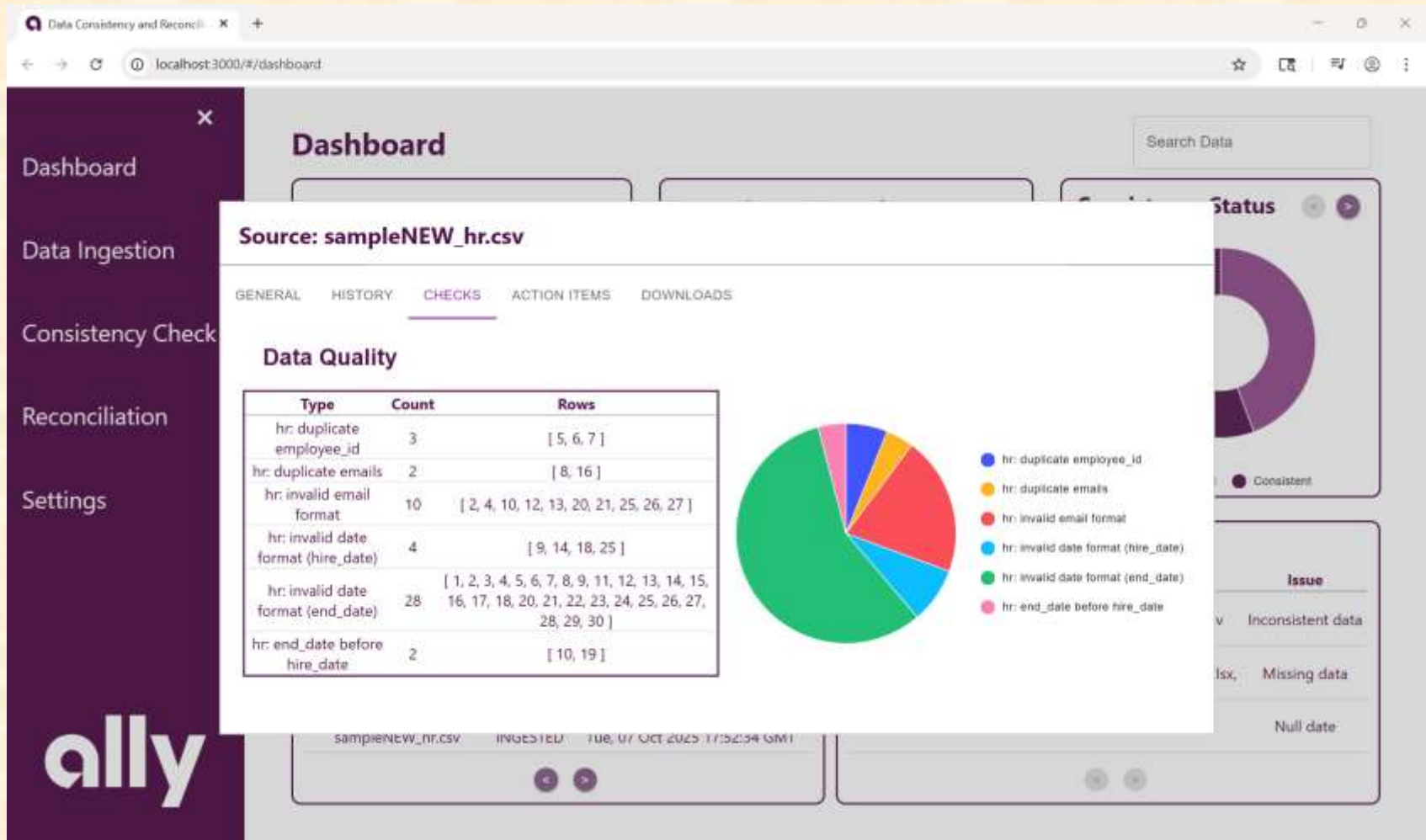
Screen Mockup: Dashboard



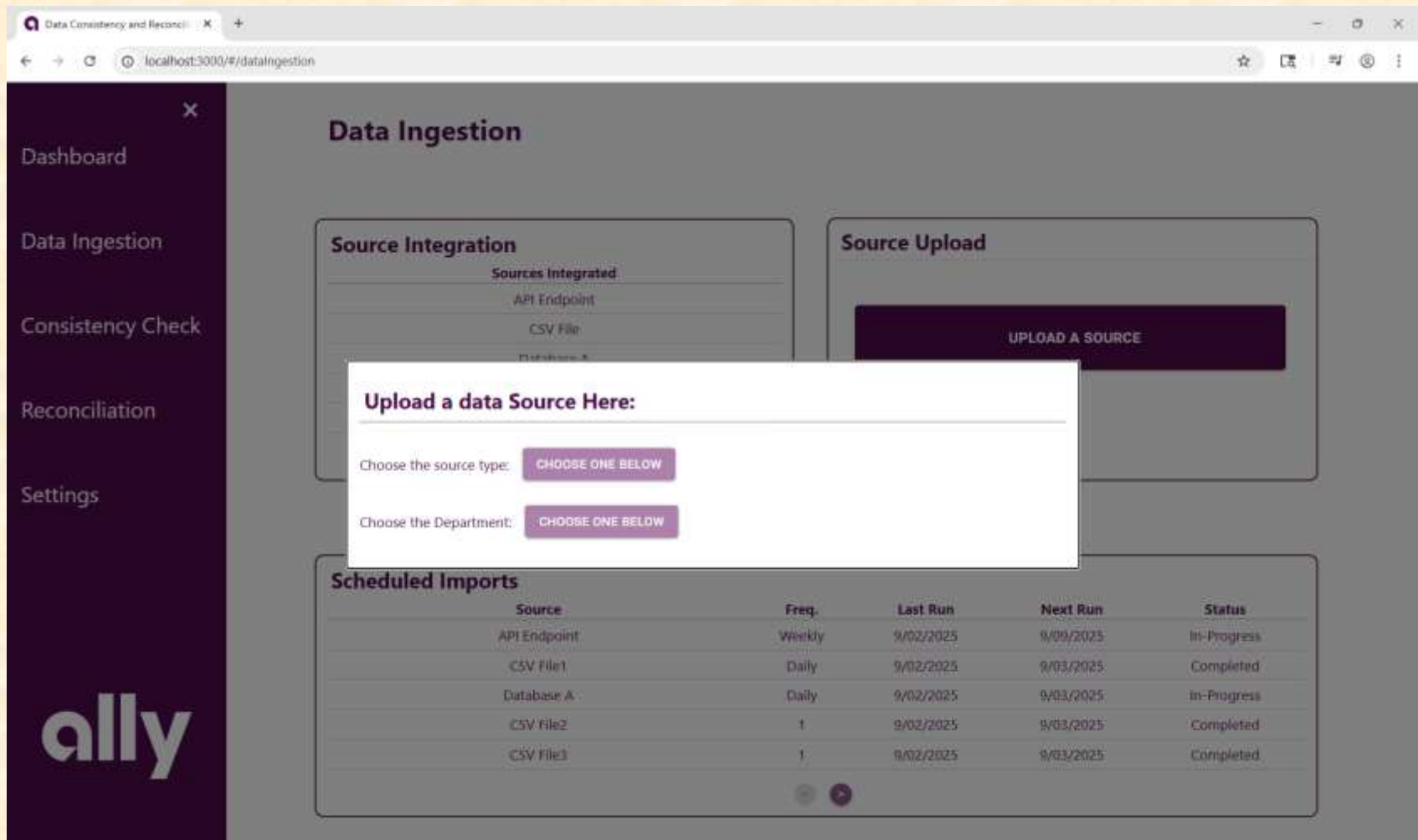
Screen Mockup: Data Ingestion



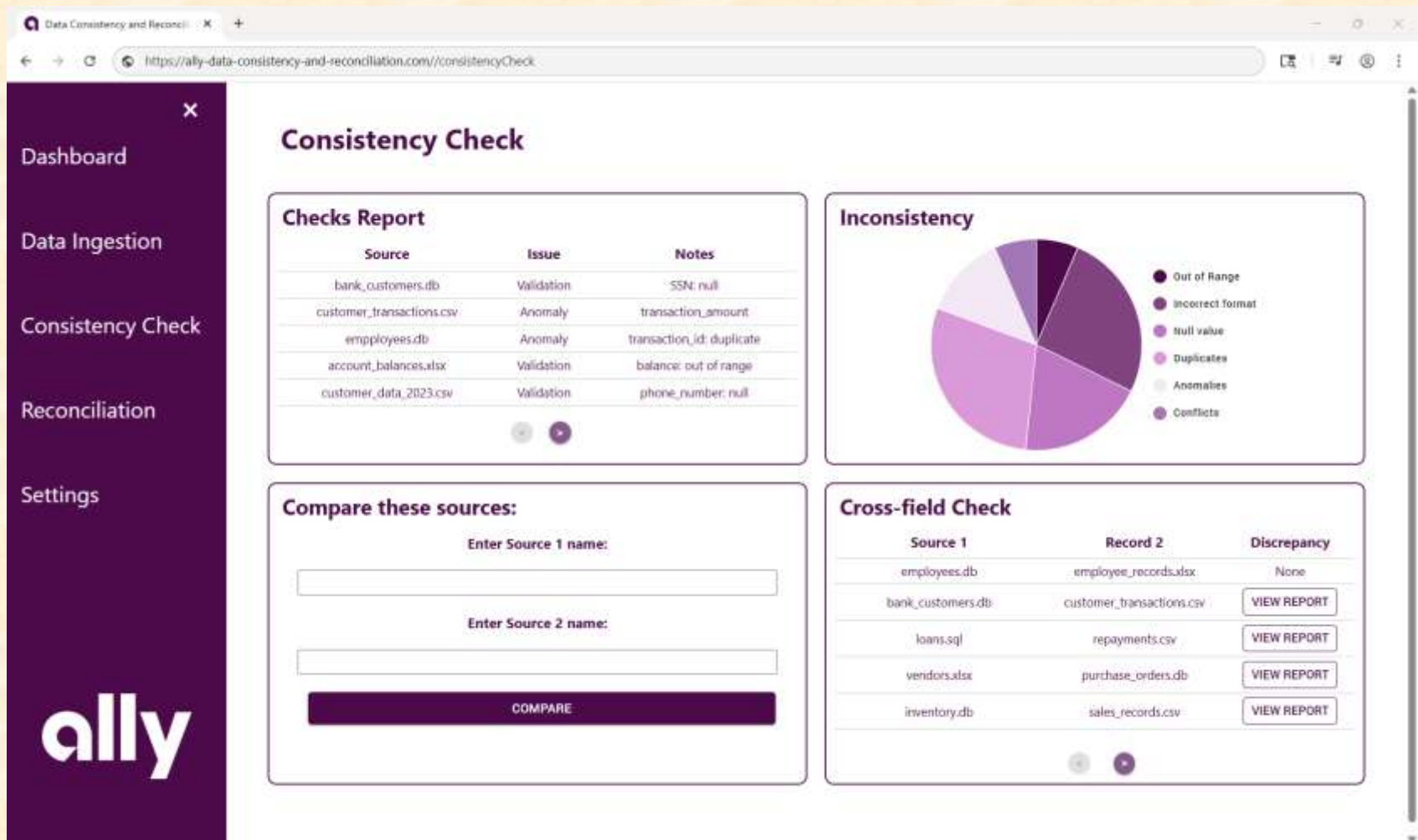
Screen Mockup: Source Popup



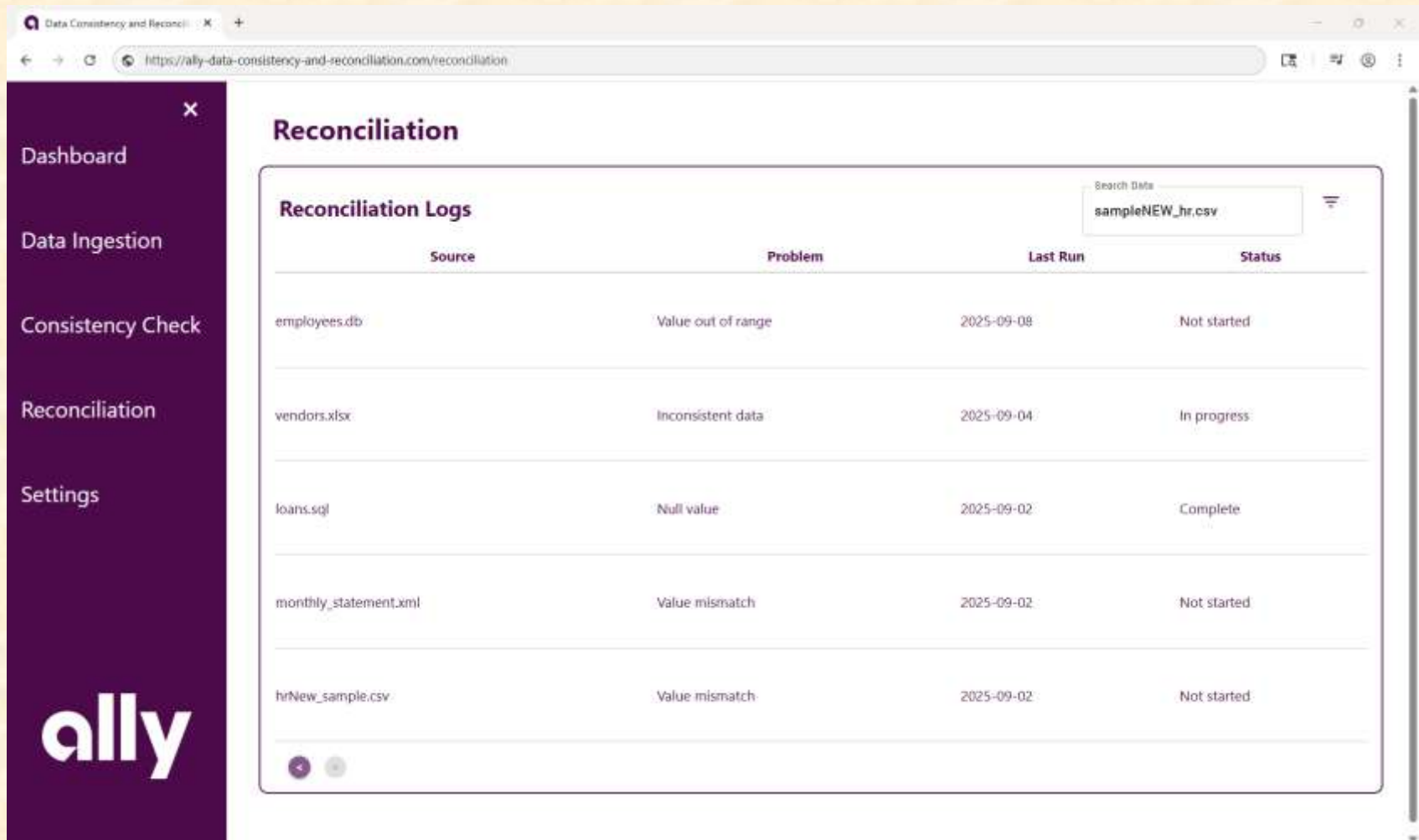
Screen Mockup: Data Ingestion Popup



Screen Mockup: Consistency Check



Screen Mockup: Data Reconciliation



What's left to do?

- Ensure the whole process is consistent for all types of sources
- Establish more rules, checks for other department types and file content
- Establish checks between multiple files and resolve data conflicts
- Determine solution for reconciliation
- Generation of reports

Questions?

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