



InvoiceAI

Smarter Invoices, Faster Payments

Team Copper
Fall 2025

Table of Contents

4. Meet the Team
5. Background
6. Problem Statement
7. What/Who is Affected (Users/Customers/Stakeholders)
8. Problem Characteristics
9. Current Process Flow
10. Our Solution
11. Solution Characteristics
12. Solution Process Flow
13. What it Will Do
14. What it Will Not Do

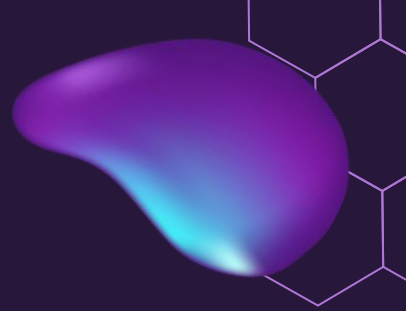
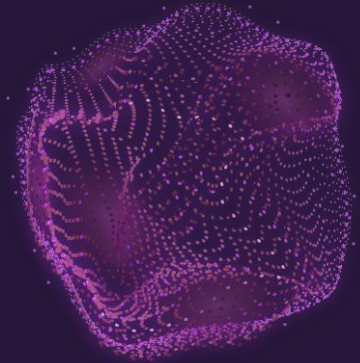
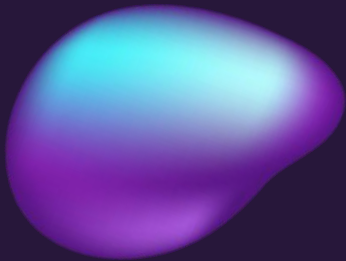


Table of Contents Cont.

- 15. Competition Matrix
- 16. Development Tools
- 17. Major Functional Components
- 18. Major Functional Components Diagram
- 19. Real World Product vs Prototype Table
- 20. Risks
- 21. References



Meet The Team



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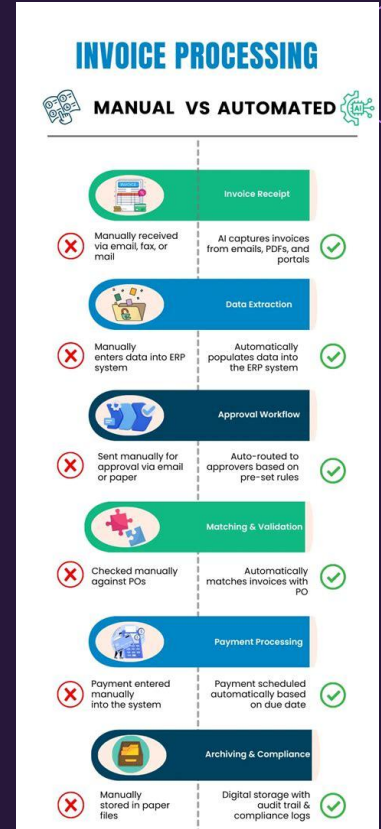
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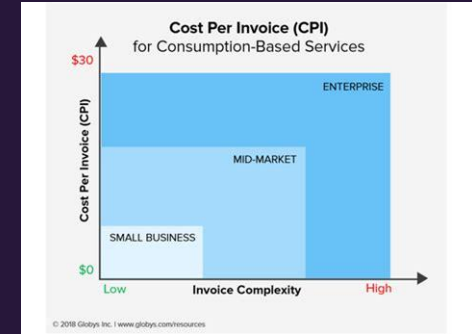
Background

- ◆ Manual invoice processing is still widespread across a variety of industries: Approximately 90% of companies rely on manual processing
- ◆ Cost per invoice: \$12-\$40 (manual) as opposed to \$3-\$6 (automated)
- ◆ Turn around time: 10-15 days for manual processing vs. less than 5 days with an automated system
- ◆ Errors are made an estimated 1%-3% of the time when manual processing is used, which can strain business relationships
- ◆ Overall: Manual processing is expensive, slow, and prone to errors



Background ADS Case Example

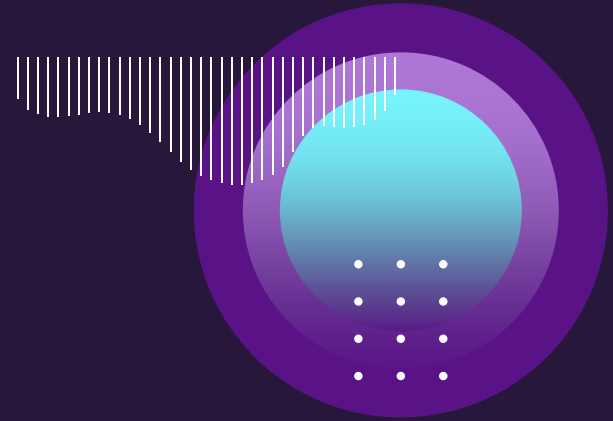
- ◆ ADS processes 150,000 invoices annually from ~3,000 individual suppliers
- ◆ A small team of around 6 staff members handle invoices that are received in a variety of formats PDFs, spreadsheets, etc.
- ◆ Manual handling leads to
 - Delays and payment backlogs
 - Errors (duplicates, mismatches, etc.)
 - Staff overload due to (needless stress over inefficiency)
- ◆ Bottom Line: supplier frustration, compliance risks and potential penalties



<https://www.quadient.com/en/blog/ap-automation-by-the-numbers-10-statistics-to-know>

Problem Statement

- Every year, ADS receives over 150,000 invoices from about 3,000 suppliers. These invoices arrive mostly by email and come in many different formats (PDFs, scans, spreadsheets, etc.).
- The Accounts Payable (AP) team, only six people, must open, read, and manually compare each invoice to the company's Purchase Order (PO) (the order list ADS sends to suppliers). If the invoice doesn't match the PO, it must be reviewed and reconciled before payment.



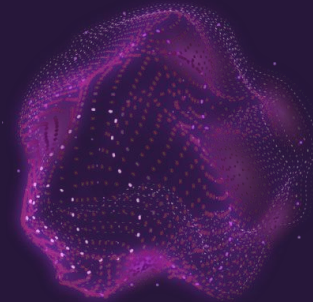
Who is Affected

- Users
 - ◆ ADS Accounts Payable team, AP manager, and Finance/Accounting leadership.
- Customers
 - ◆ ADS
- Stakeholders
 - ◆ Vendors connected with ADS, ADS Finance, and ADS executives

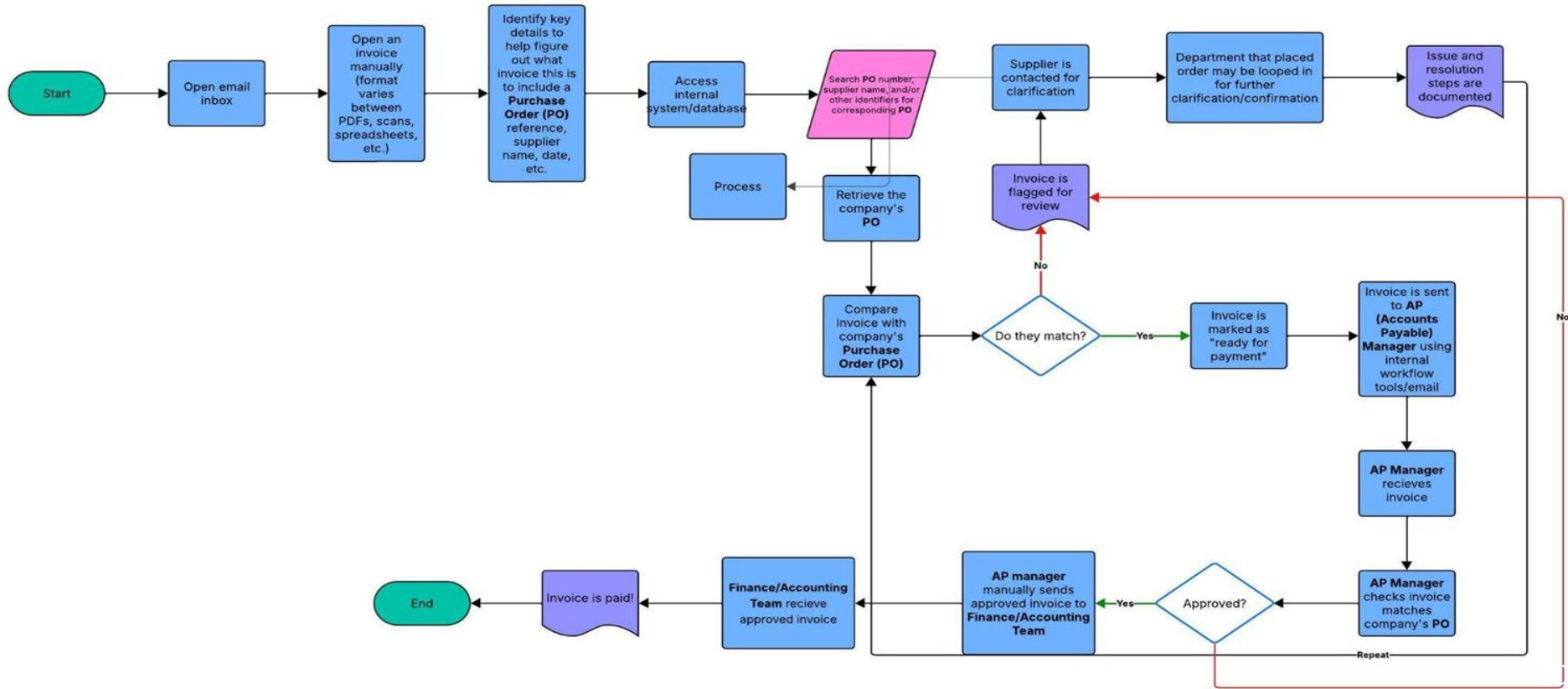


Problem Characteristics

- ◆ Volume Pressure: 150,000 invoices = ~600 per day, ~100 per person, every workday.
- ◆ Delays: Payments slow down due to backlogs.
- ◆ Errors: Duplicate invoices, mismatches, and missed data cause rework.
- ◆ Stress: The AP team spends most of its time on repetitive checking rather than value-added work.



Current Process Flow



Our Solution: Invoice Control!

- ◆ InvoiceAI is a web-based software system designed to help ADS's Accounts Payable team handle its growing volume of invoices with greater efficiency and reliability. The software automatically captures and organizes incoming invoices, analyzes key details, and recommends matches to the appropriate Purchase Orders. When uncertainty arises, it routes invoices to staff for review and incorporates their corrections to improve future accuracy.
- ◆ Unlike costly one-size-fits-all automation platforms, InvoiceAI is tailored to ADS's workflows, offering a transparent and adaptive system that reduces redundant manual work while keeping people in control. By easing the burden on the AP team and minimizing errors, InvoiceAI supports faster payments and stronger financial operations.

Solution Characteristics

- ◆ Automated Invoice Capture and Organization: All invoices are automatically captured from email and structured for review, reducing manual file handling.
- ◆ Smart and Fast Matching: InvoiceAI automatically compares invoices to purchasing orders, accelerating processing and reducing backlogs.
- ◆ Learning from Corrections: InvoiceAI improves its capabilities by learning from staff corrections, reducing redundant work and letting the AP team focus on complex cases.
- ◆ Confidence Scoring and Error Matching: Matches are scored for certainty, with high-confidence items prepared for upload into the accounting system. Low-confidence items are flagged for human review. This prevents errors from slipping through while improving accuracy, reducing duplicates and mismatches.
- ◆ Auto Logging and Transparency: Every invoice and action is tracked in the database, ensuring compliance, building trust and reducing financial risks.

Solution Process Flow

[Insert flowchart]

What it Will Do

- ◆ Email Intake and Storage: Emails will be taken upon arrival and be sorted and prioritized.
- ◆ PO Matching: Invoices will be matched to their corresponding purchase order.
- ◆ Confidence Scoring: Scoring system based on certainty of correct purchase order to invoice matches.
- ◆ Error Matching: PO matches with lower confidence scores will be prioritized for human intervention.
- ◆ ERP Integration: Allow for synchronization of InvoiceAI to other software systems.
- ◆ Learning from Corrections: System updates matching based on staff corrections.
- ◆ Audit Logging: Invoices and system decisions are saved in a database for subsequent reviews.
- ◆ Quick Implementation: Easy for client to plug in and begin using.
- ◆ Tailored for client: Specially configured to meet the needs of ADS.

What it Will Not Do

- ◆ InvoiceAI will not instill a prioritization system for emails that are not invoice-related. The system will be set up to make priority-related decisions based on the invoice confidence scores, which will not translate to other email content.
- ◆ InvoiceAI will not allocate the low confidence invoices to specific team members. It is outside of InvoiceAI's purview to assign work to human workers.
- ◆ InvoiceAI will not be tailored toward any other enterprise than ADS at this time. InvoiceAI will be made to work specifically with their existing systems.

Competition Matrix

	InvoiceAI	Tipalti	Vic.ai	Stampli	Medius
Email intake & storage	■	■	■	■	■
PO matching	■	■	■	■	■
Confidence scoring	■	■	■	■	■
Learning from corrections	■	■	■	■	■
Audit logging	■	■	■	■	■
ERP integration	■	■	■	■	■
Quick implementation	■	□	□	□	□
Tailored for client	■	□	□	□	□

Development Tools

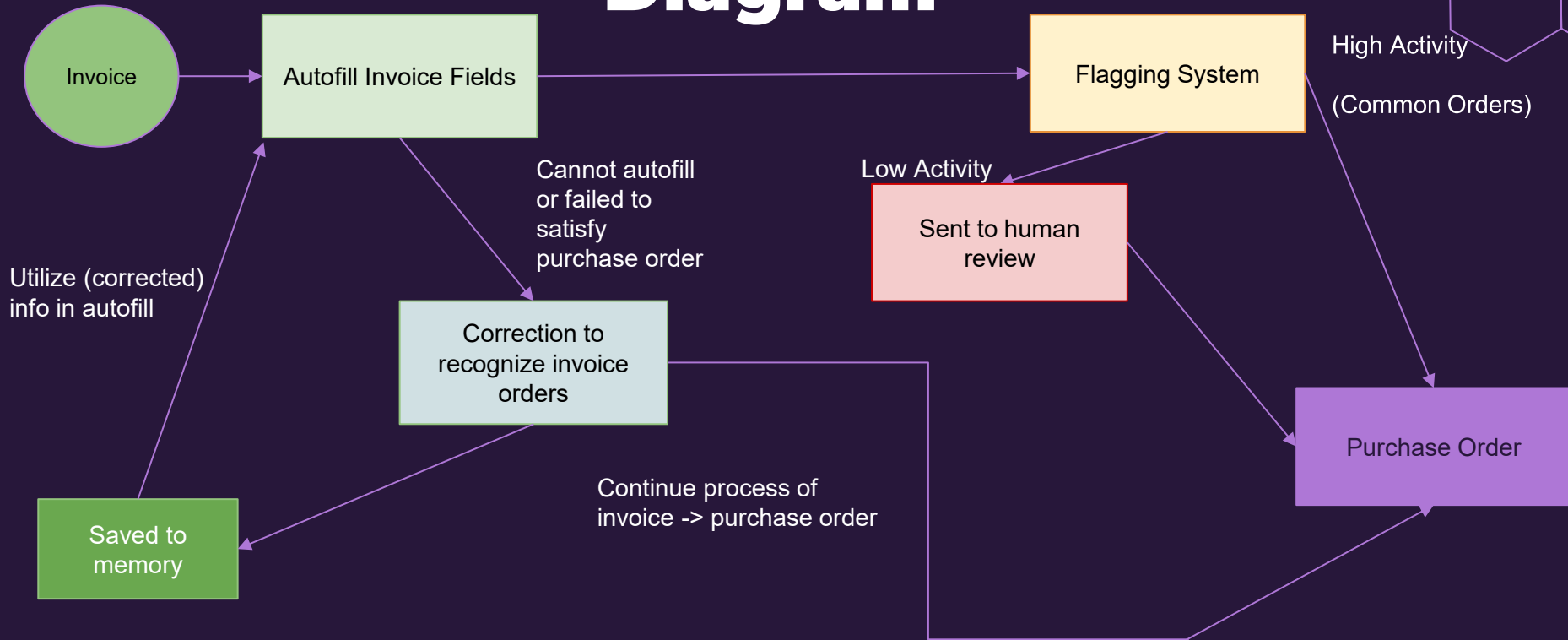


- ◆ [Start with Integrated Development Environment (IDE) tools such as VSCode]
- ◆ [Version Control tools, like Git and GitHub]
- ◆ [Continuous Integration (CI) and Continuous Deployment (CD), such as GitHub Actions & Workflows]
- ◆ [Other Tools/Software to be used during development]
- ◆ [Eventually... selected languages (backend & frontend), testing frameworks, and documentation tools]

Major Functional Components

- ◆ Autofilled invoice fields:
 - Following what purchase orders have been fulfilled, the system will keep track of the format of the invoice, making a seamless and direct transition from invoice -> purchase order
- ◆ Configurable invoice formats:
 - if an invoice comes in and it needs to be corrected to continue to the purchase order process, the system will remember the modified invoice, to avoid repetitive correction
- ◆ Flagging System:
 - Common bulk orders are what the autofilled invoice fields component is made for
 - Less occurring invoices are flagged for human review

Major Functional Components Diagram





Real World Product vs Prototype Table

[Insert Table]

Risks

- ◆ [Customer & End User]
- ◆ [Technical]
- ◆ [Security]
- ◆ [Legal]

Glossary

- ◆ Invoice: a list of goods sent or services provided, with a statement of the sum due for these; a bill.
- ◆ {Placeholder}

References

- ◆ ADS Pitch Document Sample
- ◆ [Placeholder]