



Alpha Presentation

Seller Agent Management Platform(SAMP)

The Capstone Experience

Team Amazon

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*From Students...
...to Professionals*

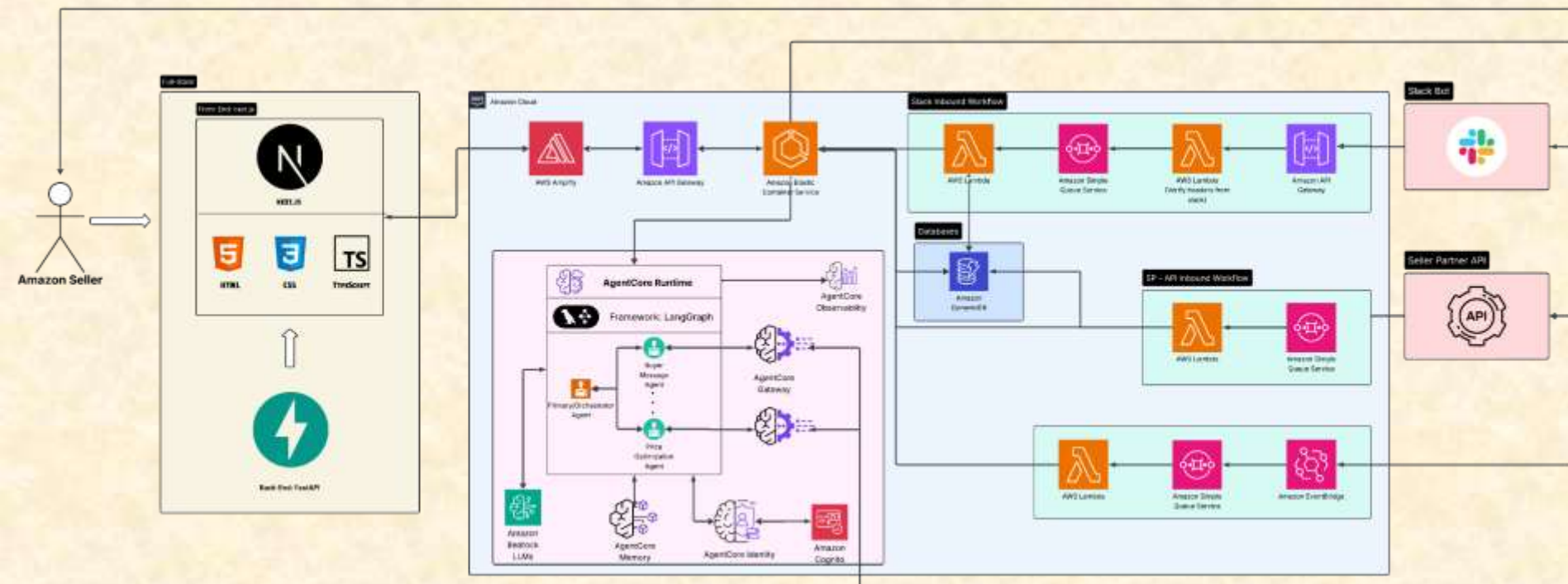
Fall 2025

Project Overview

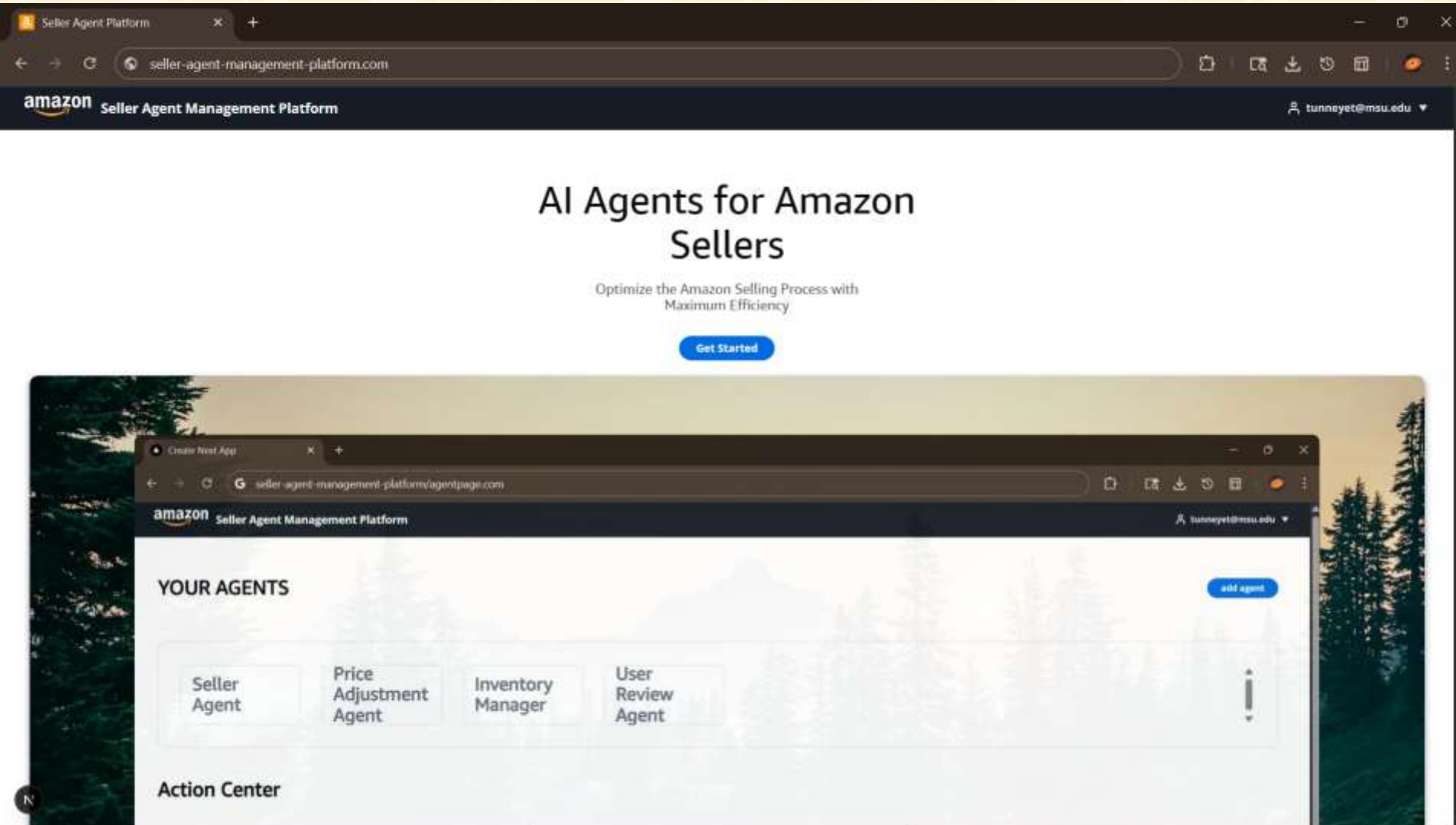
- Sellers spend too much time on manual tasks.
- Automate manual seller tasks using agents.
- Simplify management with 24/7 availability.
- Implement web-based interface to configure agents.
- Use Slack to ask for approvals and feedback.
- Enables more time on growing business.
- Be robust, scalable, and secure(e.g queues, authentication).



System Architecture



Updated Homepage



Create Agent Page

The screenshot displays the Amazon Seller Agent Management Platform interface. At the top, the browser address bar shows the URL `seller-agent-management-platform/agentpage.com`. The header includes the Amazon logo and the text "Seller Agent Management Platform", along with a user profile icon and the email `tunneyet@msu.edu`.

YOUR AGENTS

An "add agent" button is located in the top right corner. Below this, a horizontal scrollable list of agent types is shown:

- Seller Agent
- Price Adjustment Agent
- Inventory Manager
- User Review Agent

Action Center

The Action Center is divided into three columns: ACTIVE, PENDING, and DENIED.

ACTIVE

- Inventory Manager**
Tool Name: InventoryAudit
Approved At: Oct 9, 2025, 01:08 AM
Params:
 - location: L001Approved

PENDING

- Price Tracker**
Tool Name: DiscountMonitor
Requested At: Oct 9, 2025, 01:08 AM
Params:
 - productid: P002
 - discount: 15Pending Accept Deny
- Inventory Manager**
Tool Name: ShipmentTracker
Requested At: Oct 9, 2025, 01:08 AM
Params:
 - shipmentid: S001

DENIED

- Price Tracker**
Tool Name: StockAlert
Rejected At: Oct 9, 2025, 01:08 AM
Params:
 - productid: P003
 - threshold: 10Rejected



Agent Management Page

The screenshot displays the Amazon Seller Agent Management Platform. The browser's address bar shows the URL: `seller-agent-management-platform/agentpage/agentmanage/689f5eb7-096d-4007-947b-35c39be9cdc8.com`. The page header includes the Amazon logo and the text "Seller Agent Management Platform", with a user profile icon for "tunneyet@msu.edu".

Agents

- Seller Agent
- Price Adjustment Agent**
- Inventory Manager
- User Review Agent

Main Dashboard

Agent Profile

Agent Name: Price Adjustment Agent

Last Run: No recent action occurred.

Edit

Rule Setting

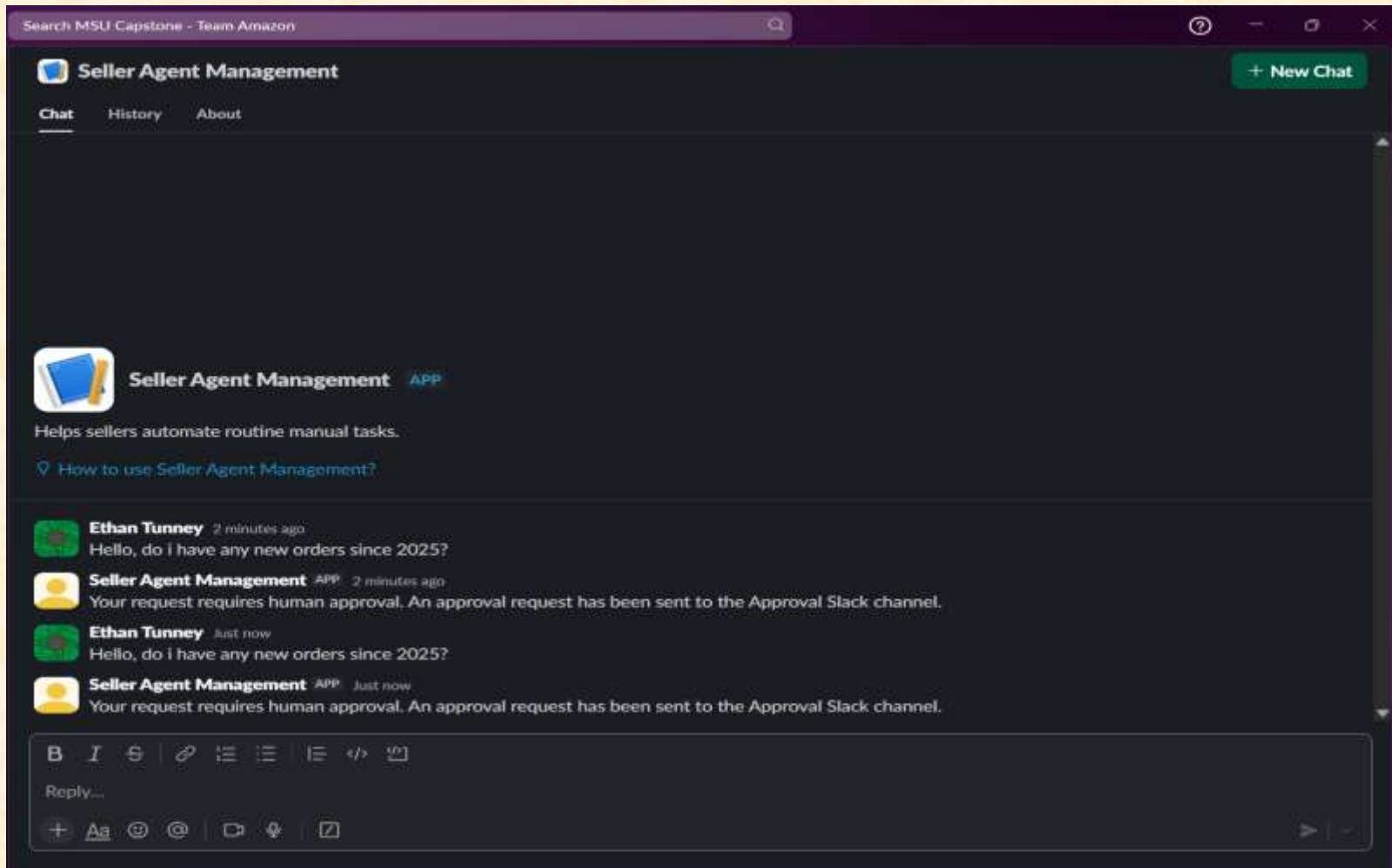
Category	Auto Approve	Manual Review	Auto Reject
listing_items	☐	☐	☒
shipping	☐	☐	☒
solicitation	☐	☐	☒
feeds	☐	☐	☒

Send a message to your agent on Slack!

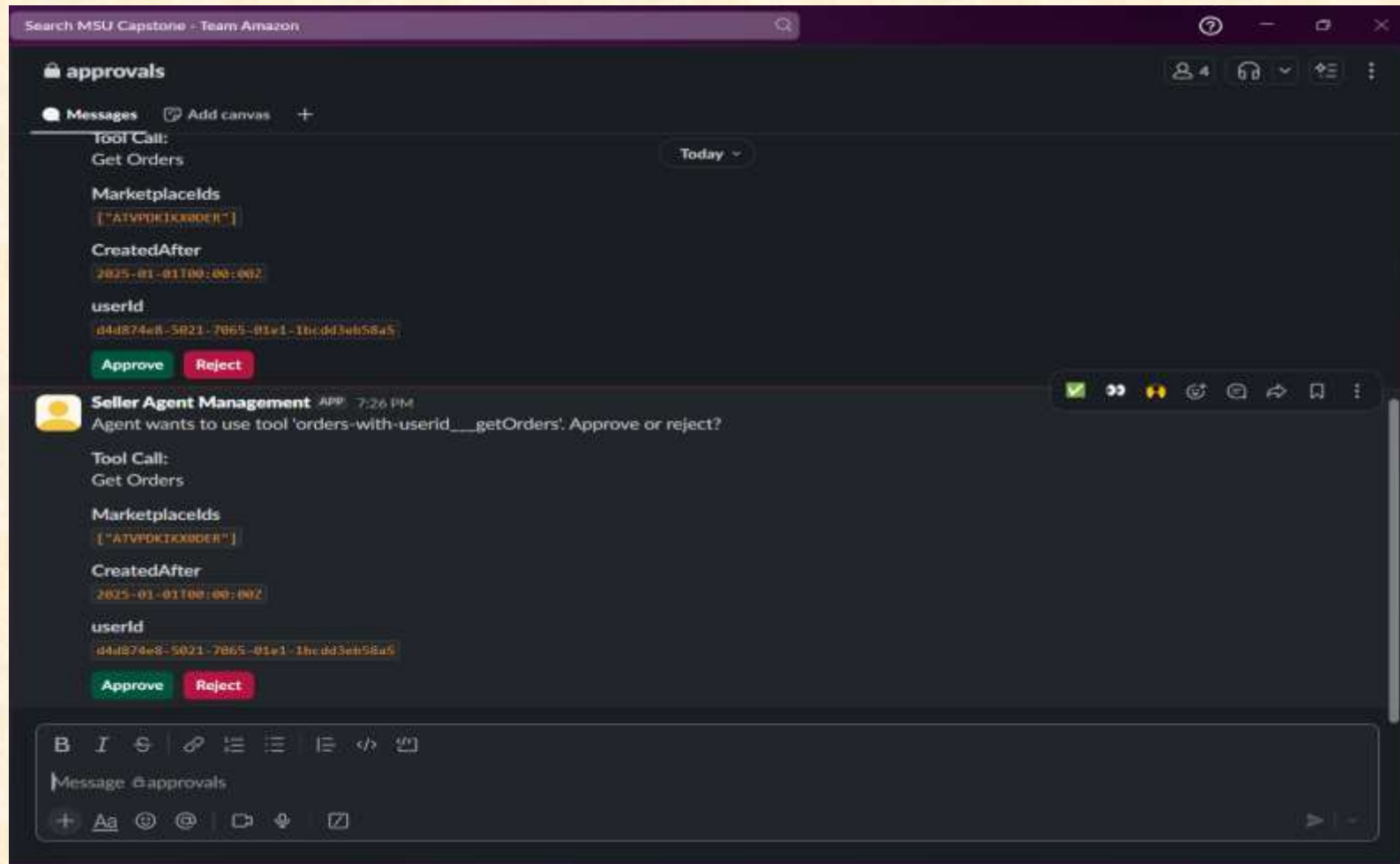
Let's Chat



Slack Seller Agent Manage Channel



Agent Approvals Page



What's left to do?

- Beautify frontend.
- Implement more tools for agents.
- Implement supervisor architecture.
- Make agent rule improvement dynamic for seller.
- User text input from approvals Slack channel.

Questions?

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