

Beta Presentation Web-Based FGL Ticket Emulator & Interpreter

The Capstone Experience

Team Ludus

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Project Overview

- Provides services to over 4,200 Organizations
- Ticket creation limitations
- Increased ticket stock waste and costs
- Emulator to view ticket prior to printing

4 Lucus



Team Member's Technical Tasks

Technical Tasks Assigned

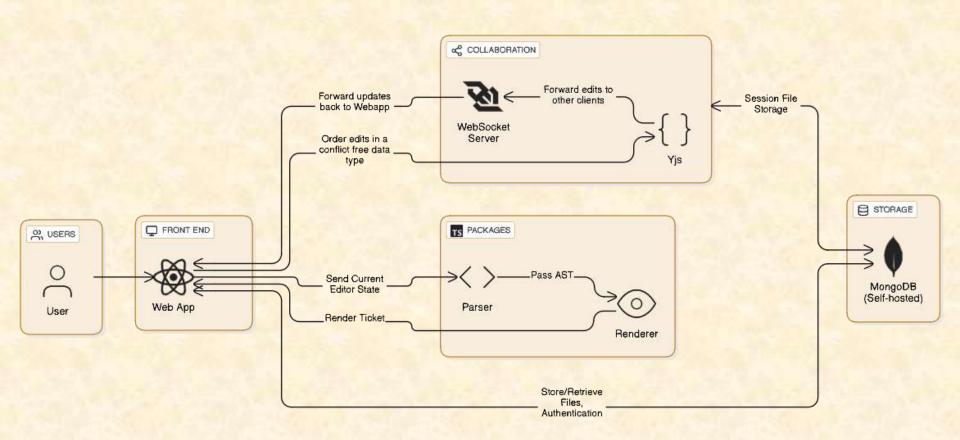
- Abhay Saji
 - Various Rendering Commands
 - Initial implementation of AI features
 - Collaborative Editing
- Nicholas Seals
 - Barcode and QR Code Implementation
 - Basic Command Rendering Functionality
 - Font Selection and formatting
- Isabella Nelsen
 - UI frontend design
 - Size and DPI selection and zoom/scrolling in preview window
 - Ludus and custom ticket logo stub preview
 - Copy and PNG download of ticket preview
 - AI: diff acceptance, window layout, and polish
- Umut Temel
 - Full file explorer implementation integrated into cloud
 - Authentication for the file explorer
 - Getting the backend set up for file collaboration
- Zakariya Sattar
 - Implemented syntax highlighting for FGL & ESC/POS languages
 - Implemented user-friendly custom merge tag editor
 - Added UI support for new language
- David Oh
 - FGL Interpreter: Initial lexing and parsing phases
 - Merge Tags: Helped implement the parsing and substitution
 - ESC/POS Interpreter: Initial lexing and parsing phases

Technical Tasks Completed

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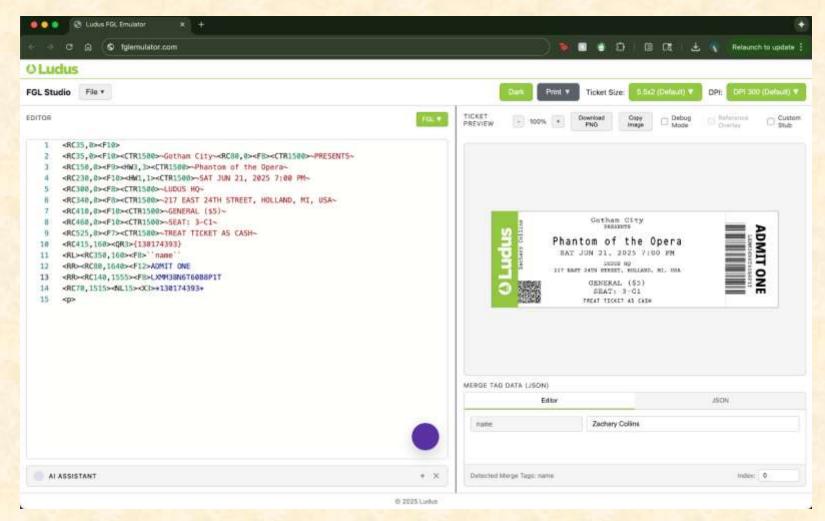


System Architecture



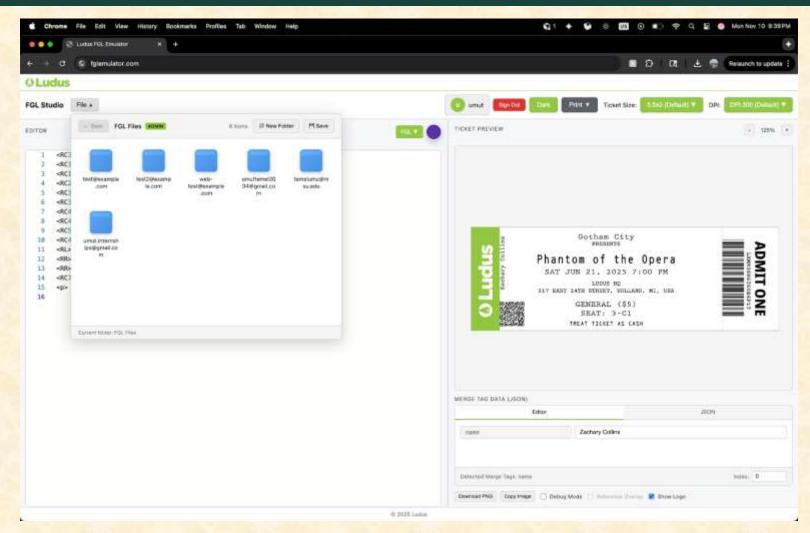


Editor



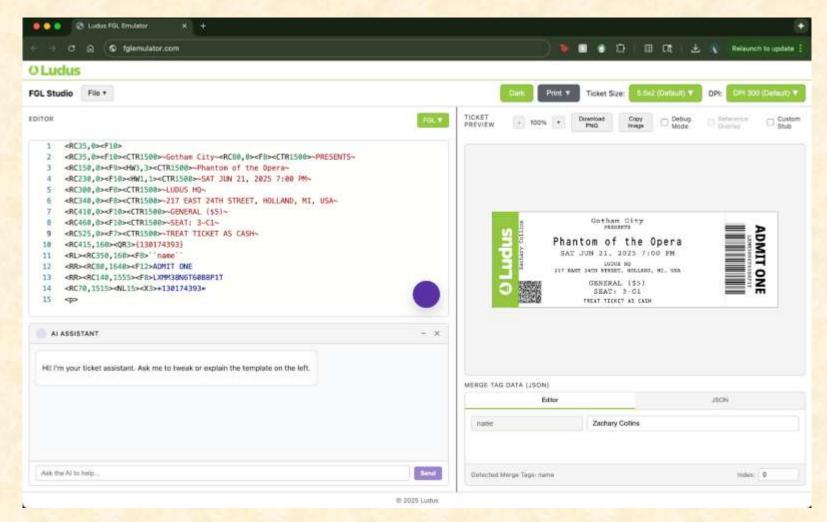


File System



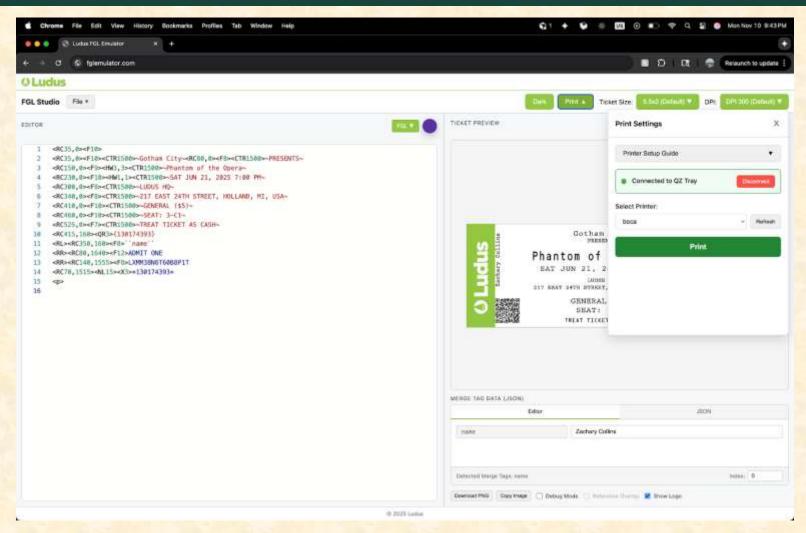


AI





Print





What's left to do?

- Stretch Goals
 - Full ESC/POS implementation and rendering
 - Multimodal AI implementation
- Other Tasks
 - Polishing Al responses
 - Polishing collaboration
 - Fixing state management bugs



Questions?

