MICHIGAN STATE UNIVERSITY

Alpha Presentation Web-Based FGL Ticket Emulator & Interpreter

The Capstone Experience

Team Ludus

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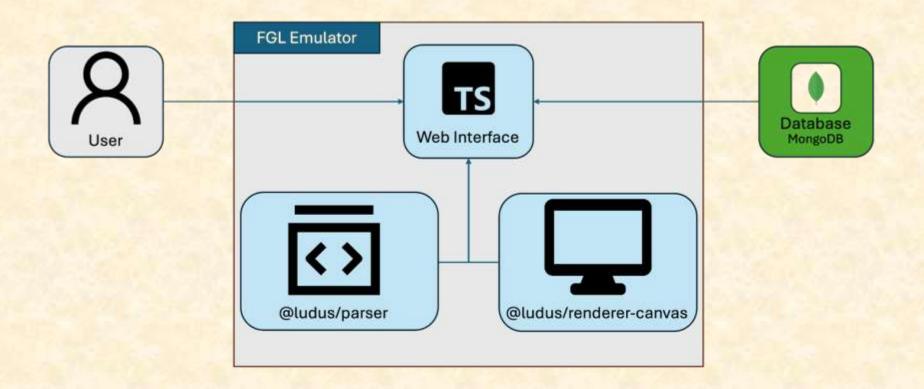
Fall 2025



Project Overview

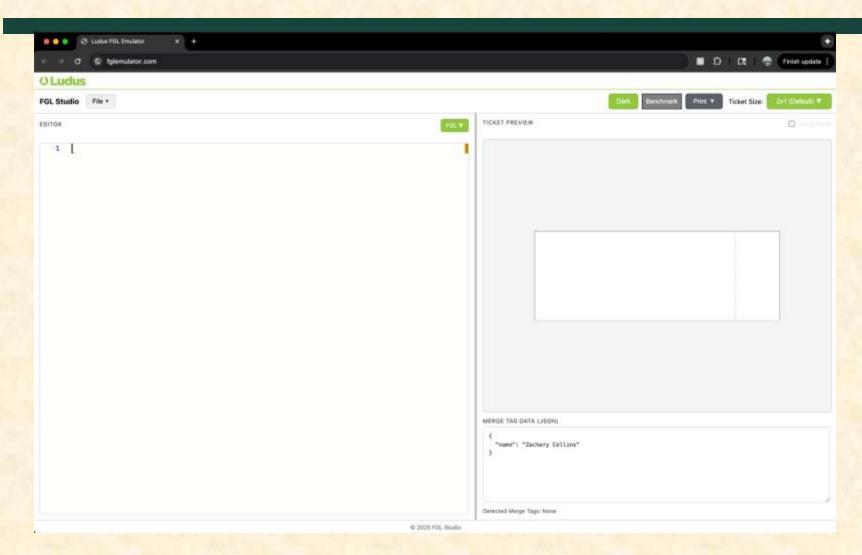
- FGL Tickets do not have any tooling to assist with creation, or preview before printing.
- The Web based emulator provides designers a suite of tools to help assist with development
- Including a live preview, code predictions, etc.
- Reducing ticket design time from hours to minutes

System Architecture



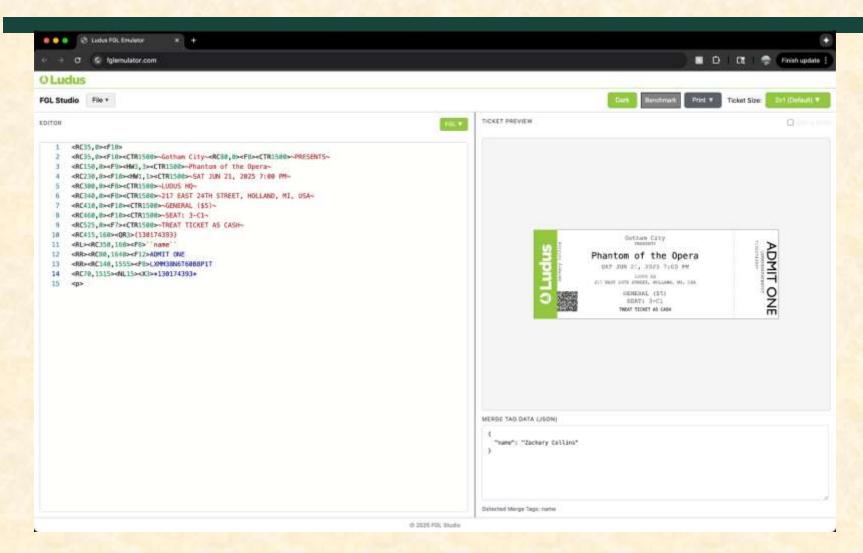


Empty Editor and Preview



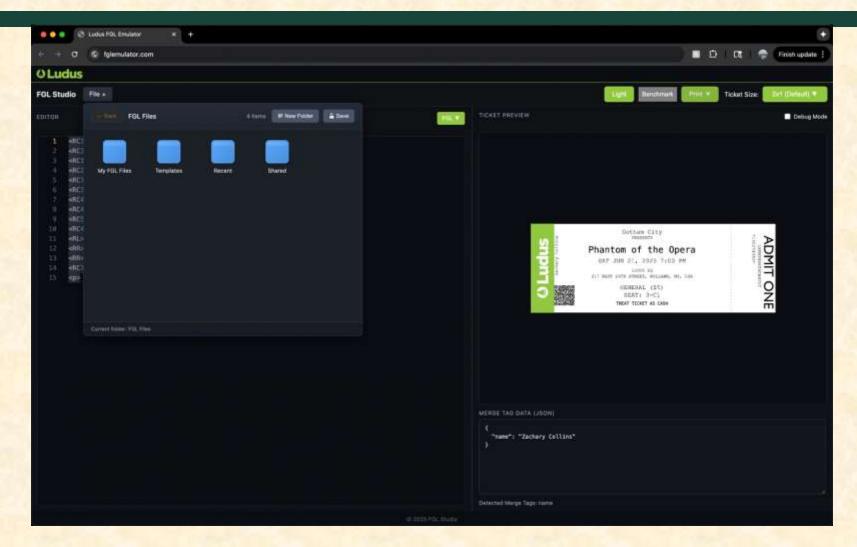


Full Ticket Render



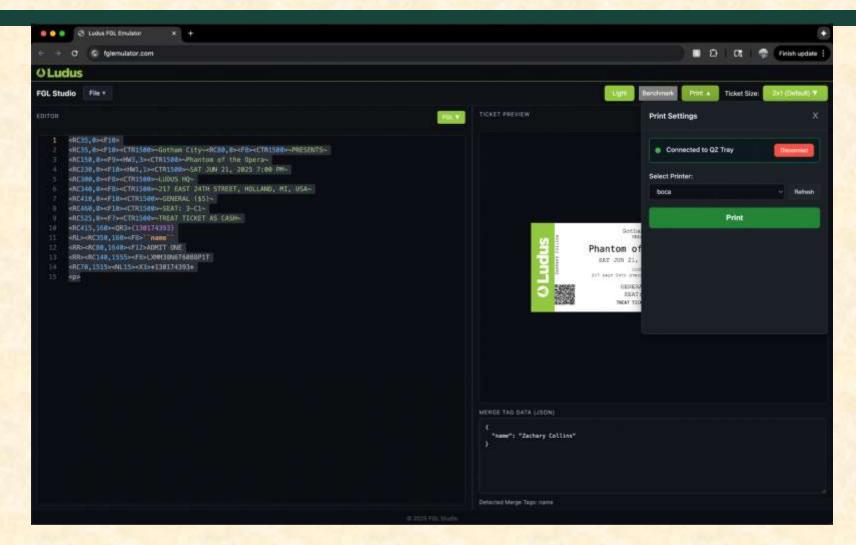


File System





Printing Menu





What's left to do?

- Support different DPIs and ticket sizes for tickets
- Finishing up the cloud based database integration
- Finalize merge tag implementation
 - Integration with printing functionality
- Clean up the UI for general users
 - Get rid of benchmark functionality
 - User friendly merge tag UI



Questions?

