MICHIGAN STATE UNIVERSITY

Alpha Presentation

Real-Time Seating Chart API, Builder, & Viewer

The Capstone Experience

Team Ludus

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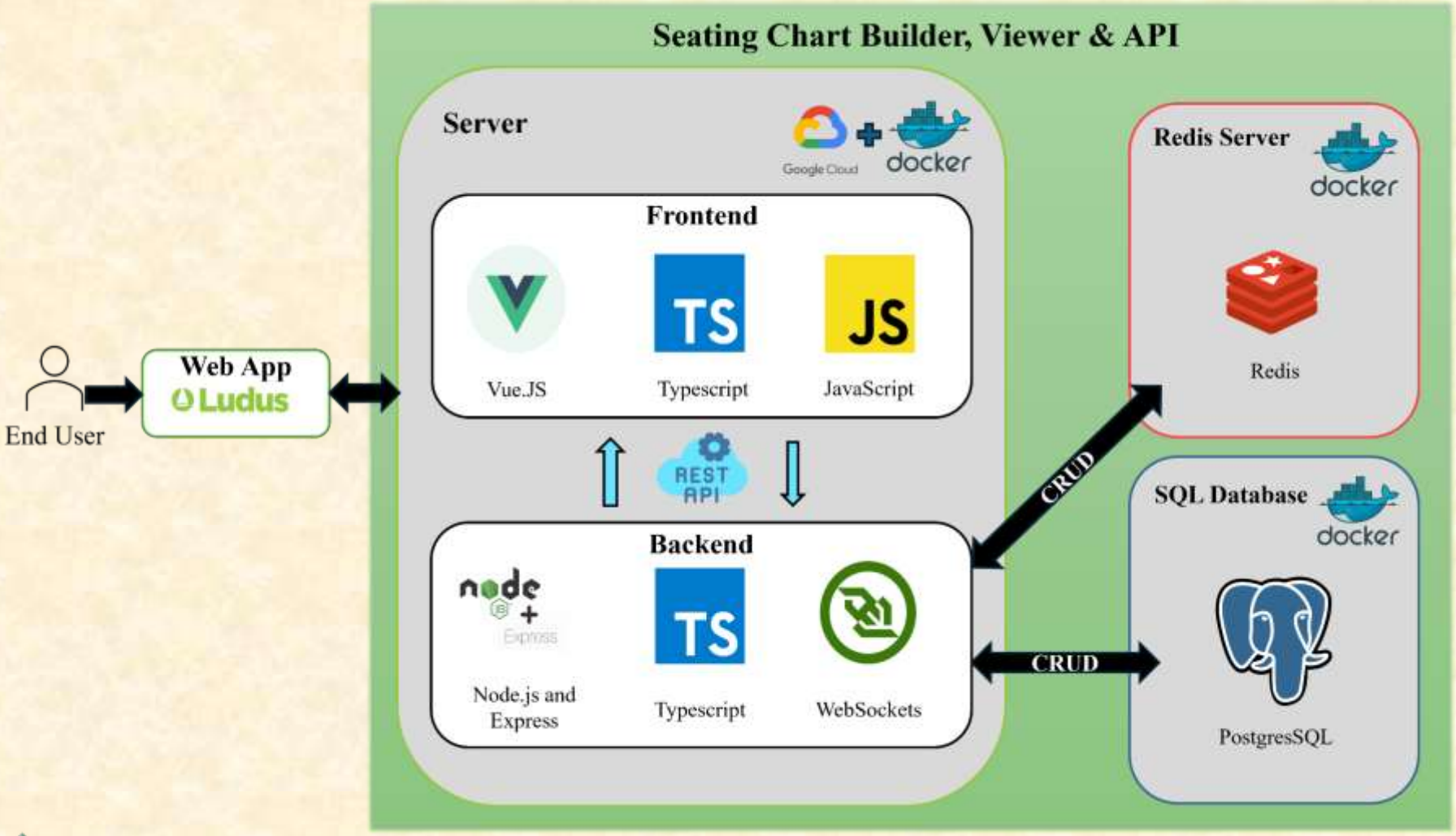


From Students…
…to Professionals

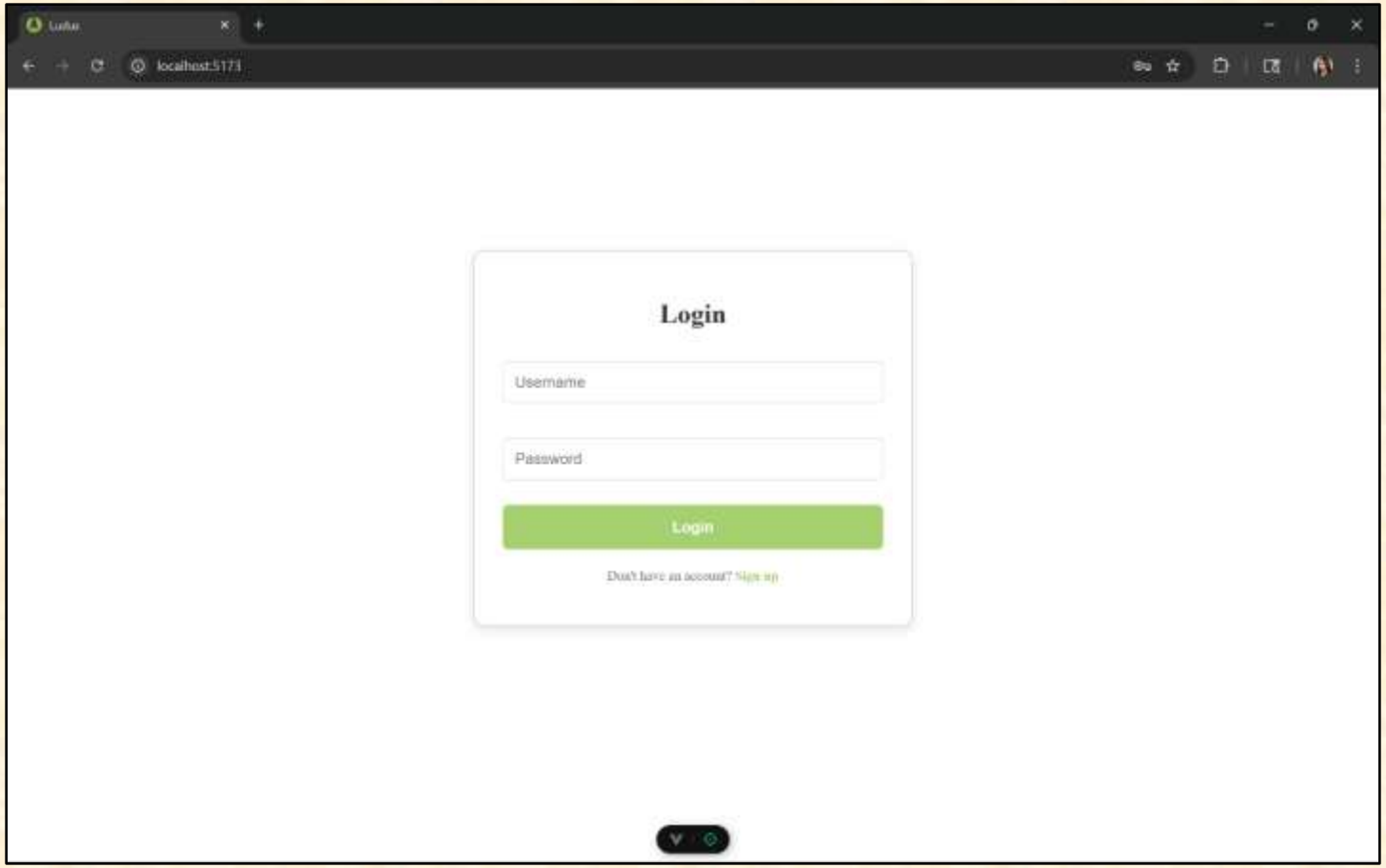
Project Overview

- Problem
  - Ludus has an outdated seating chart system that's built on HTML Canvas and JavaScript
- Fix
  - Building a modernized using SVG and Vue
  - Provides better scalability, easier maintenance, and the ability to add modern
- Why
  - Ludus need a robust charting solution easier to maintain internally
  - Confidently sell to venue owners as a standalone product.

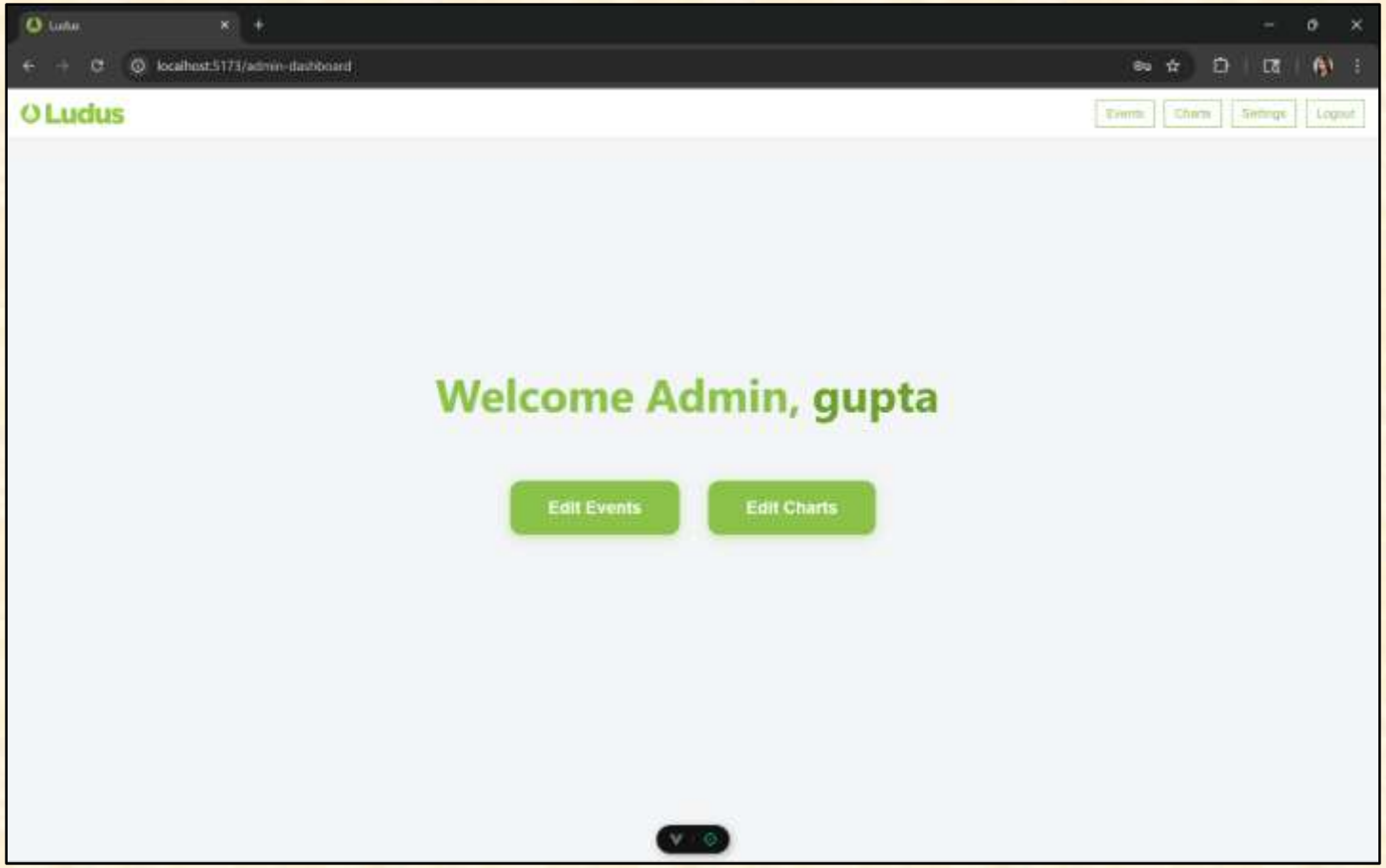
System Architecture



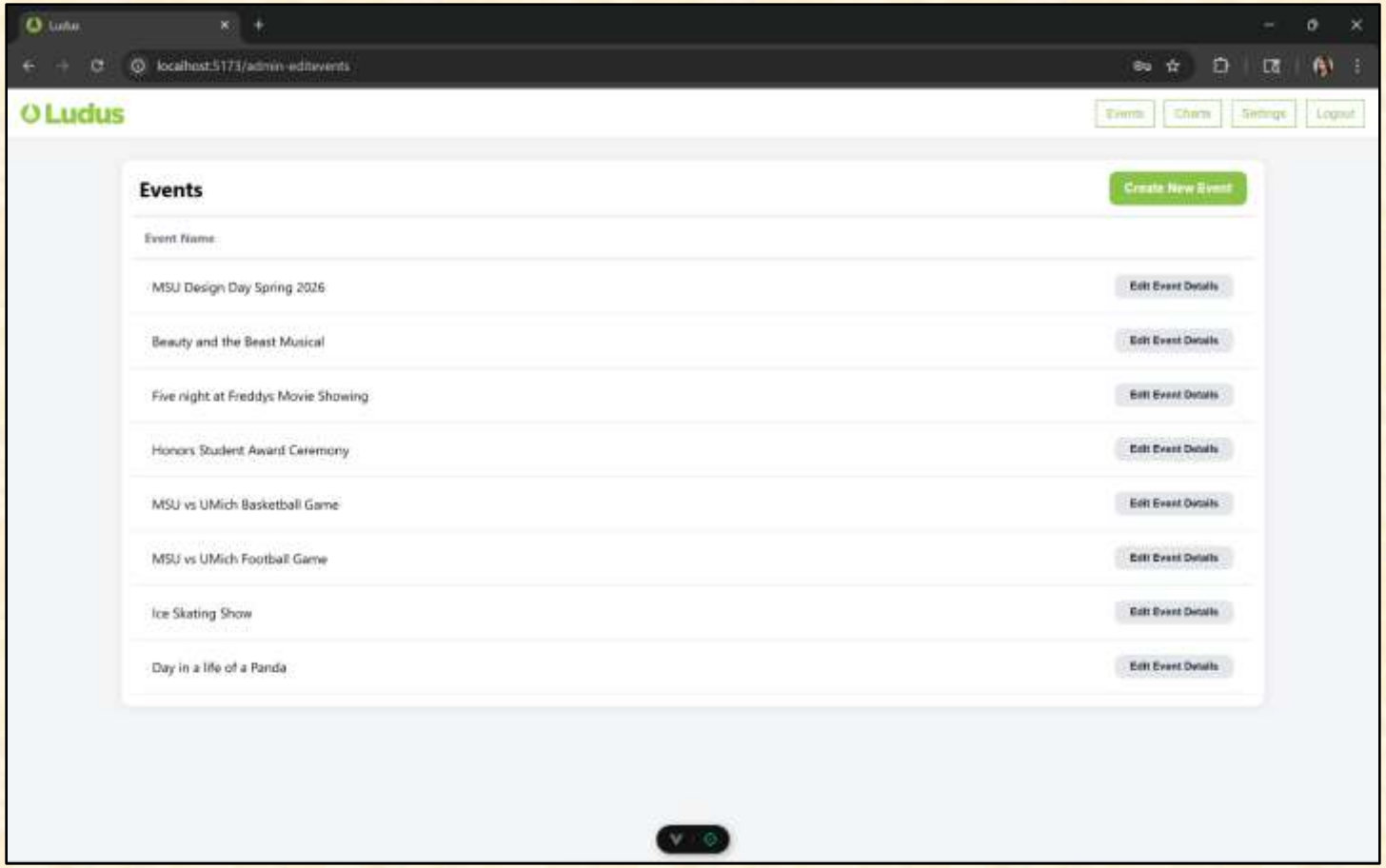
Login Page


localhost:5173
Login
Username
Password
Login
Don't have an account? Sign up

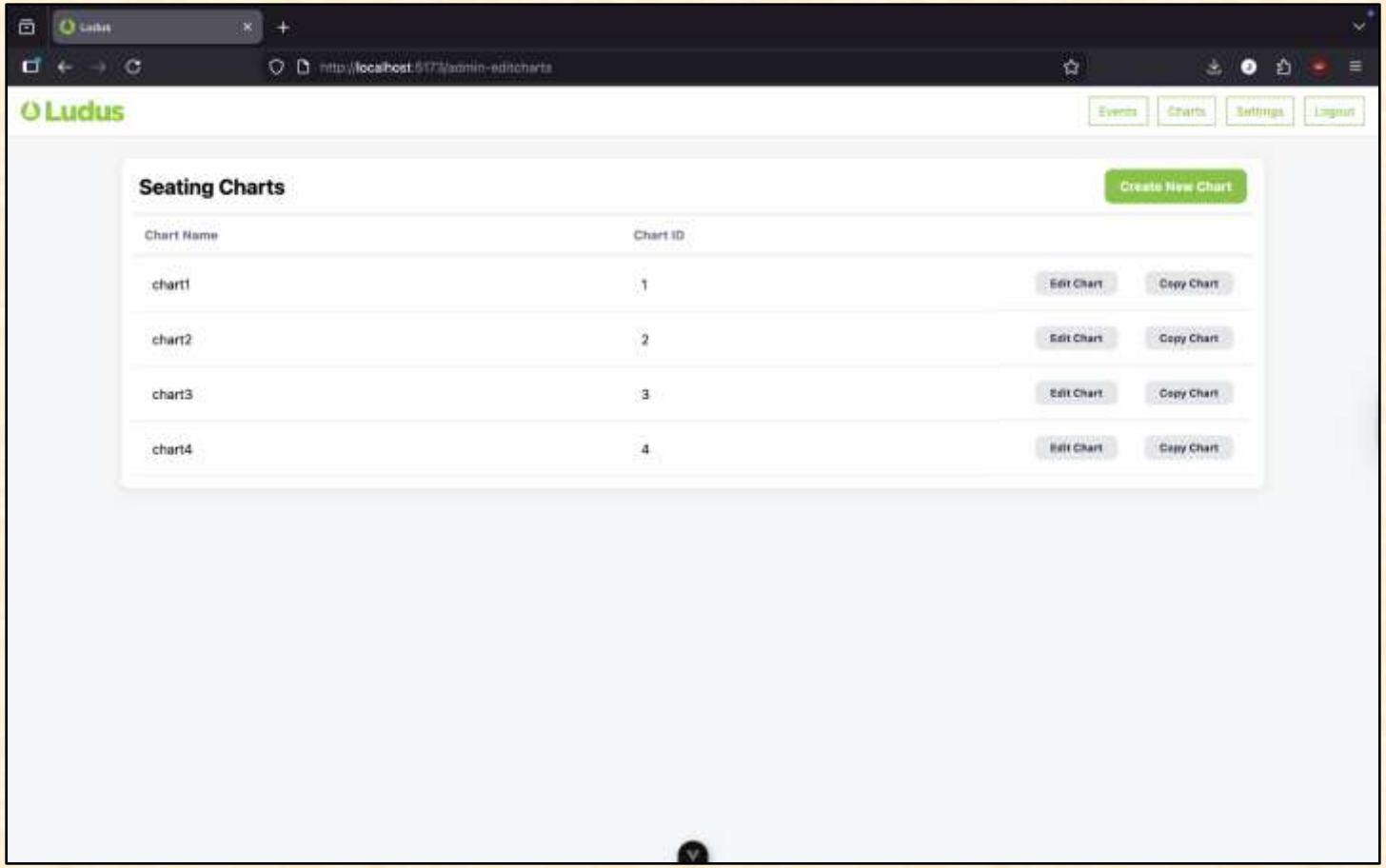
Admin Dashboard



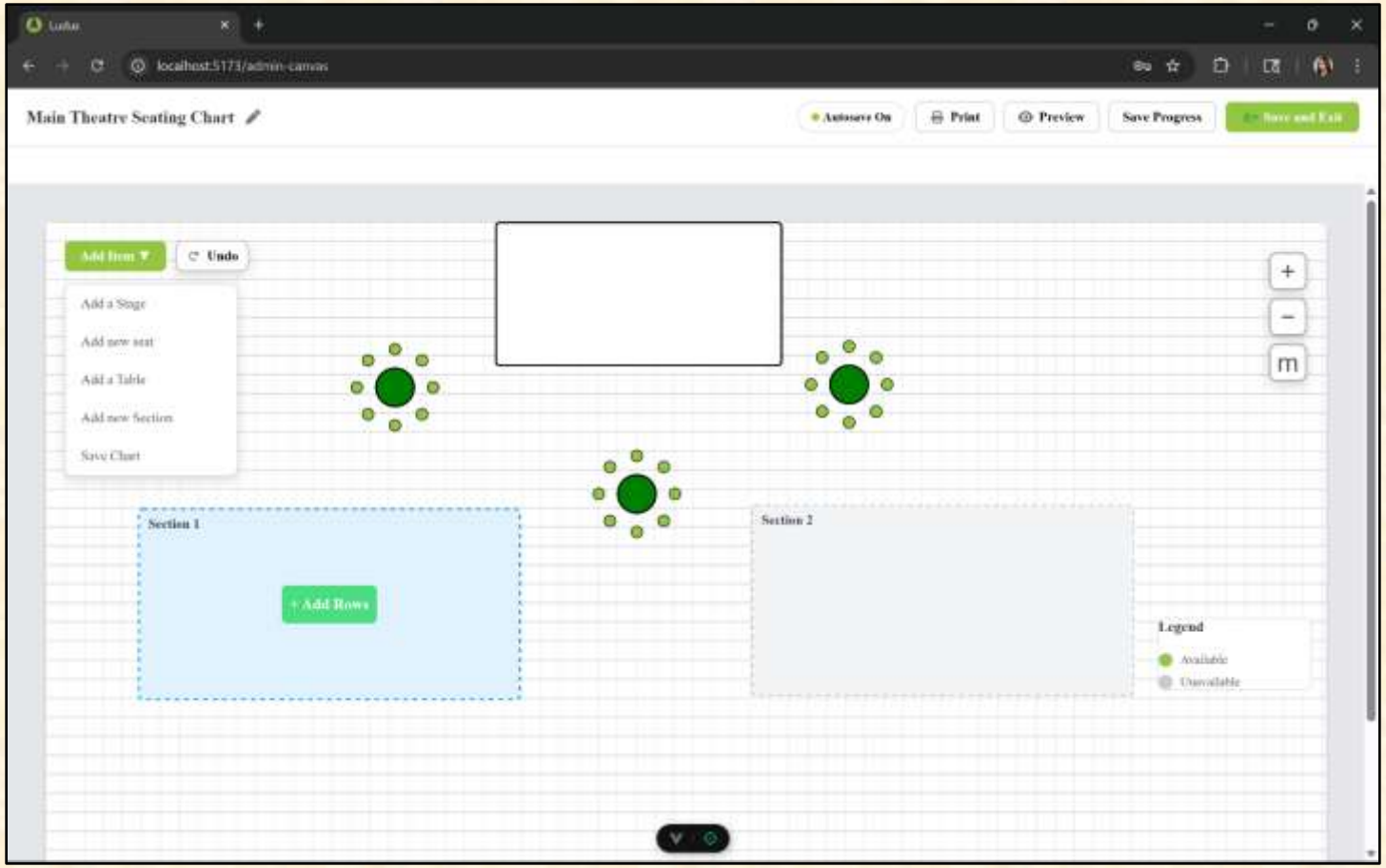
Admin – Edit Events Page



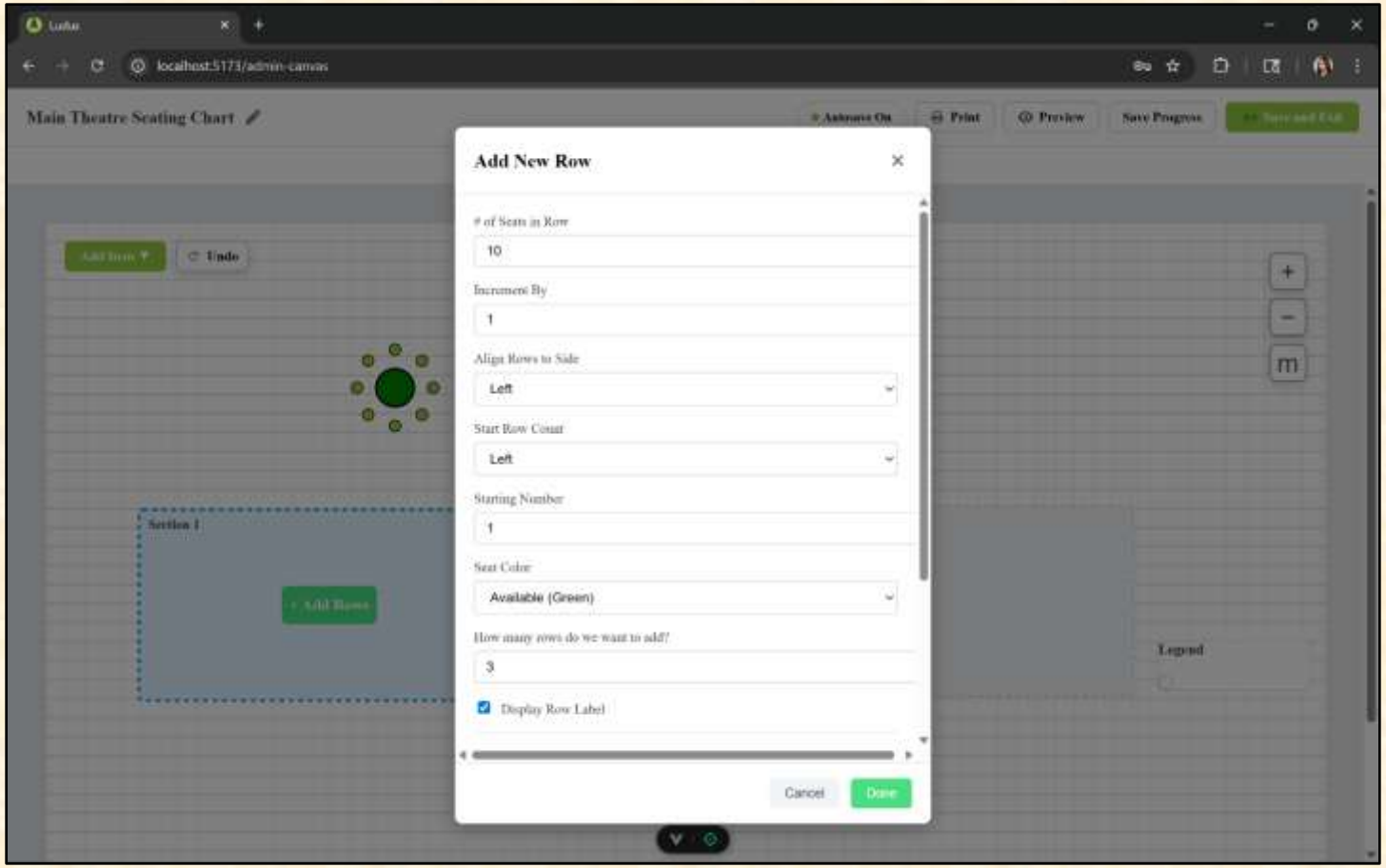
Admin – Edit Charts Page



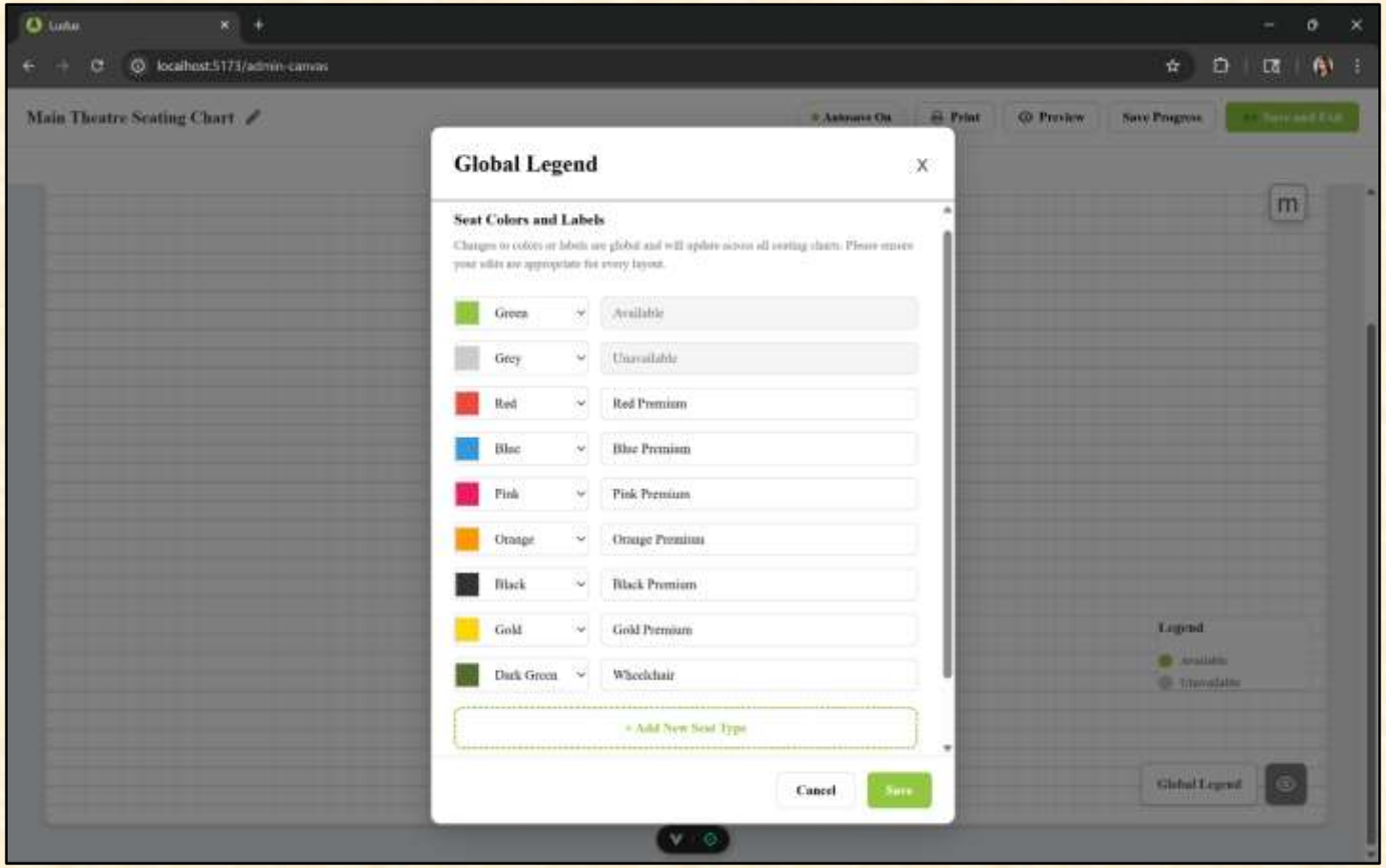
Admin – Canvas with Design Elements



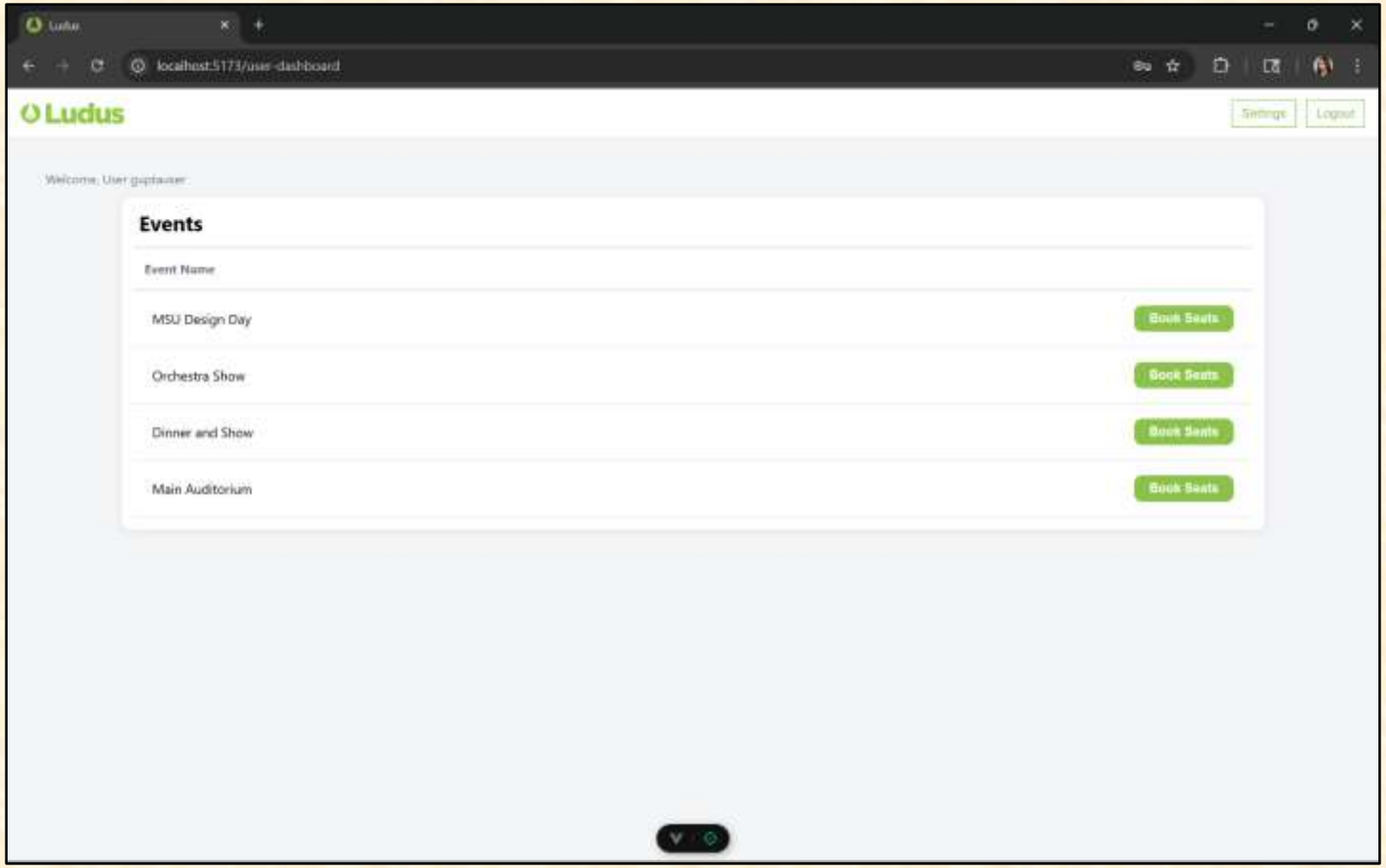
Admin – Canvas Edit Section



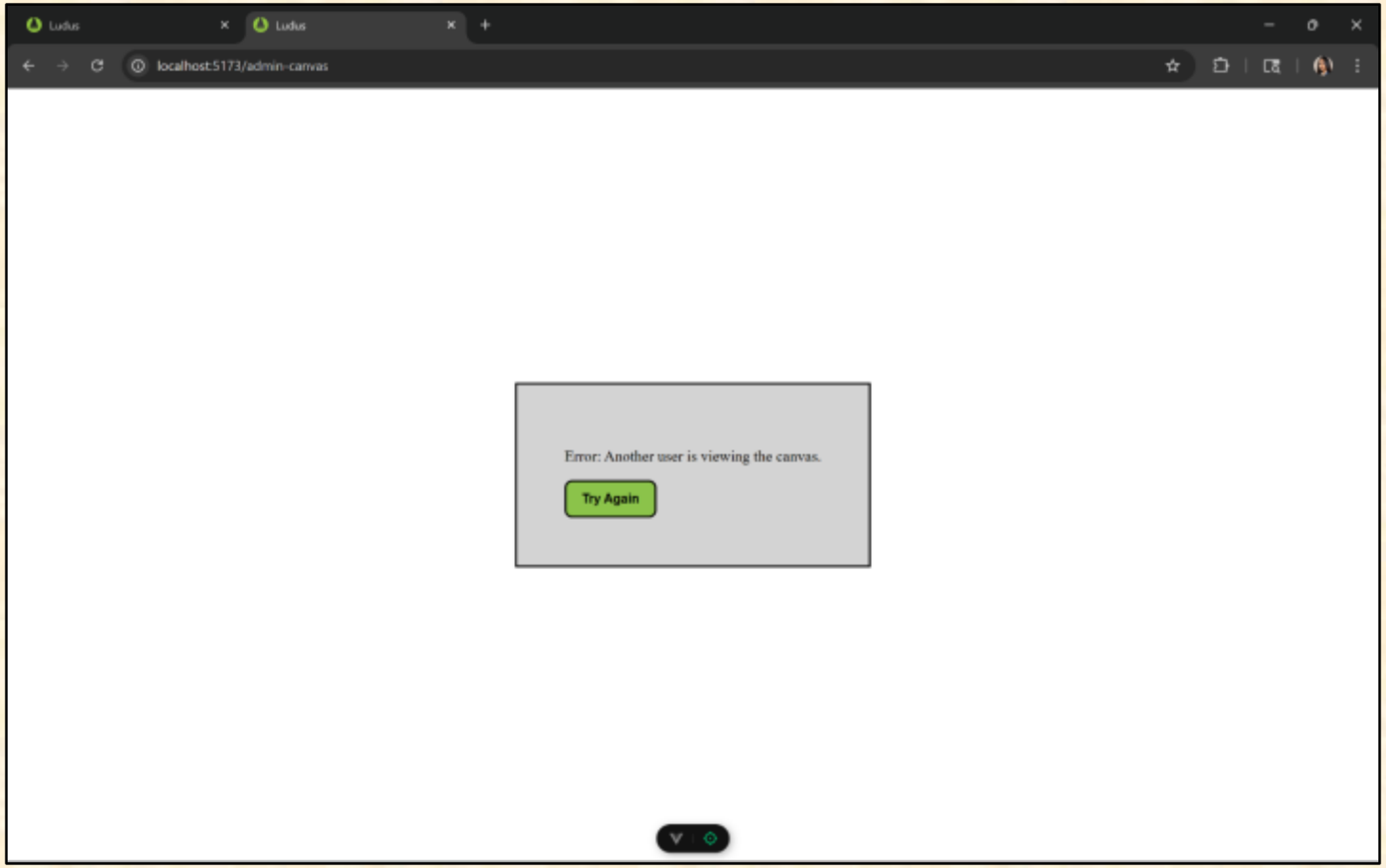
Admin – Canvas Global Legend



User – View Events



User – Redis Locking Feature



What's left to do?

- PHP demo app
- Mini JavaScript SDK + API doc
- Continue working on Canvas Viewer
- Custom Non-Interactable objects
- Checkout/Shopping Cart Page

Questions?

