

TigerTix Ticketing System

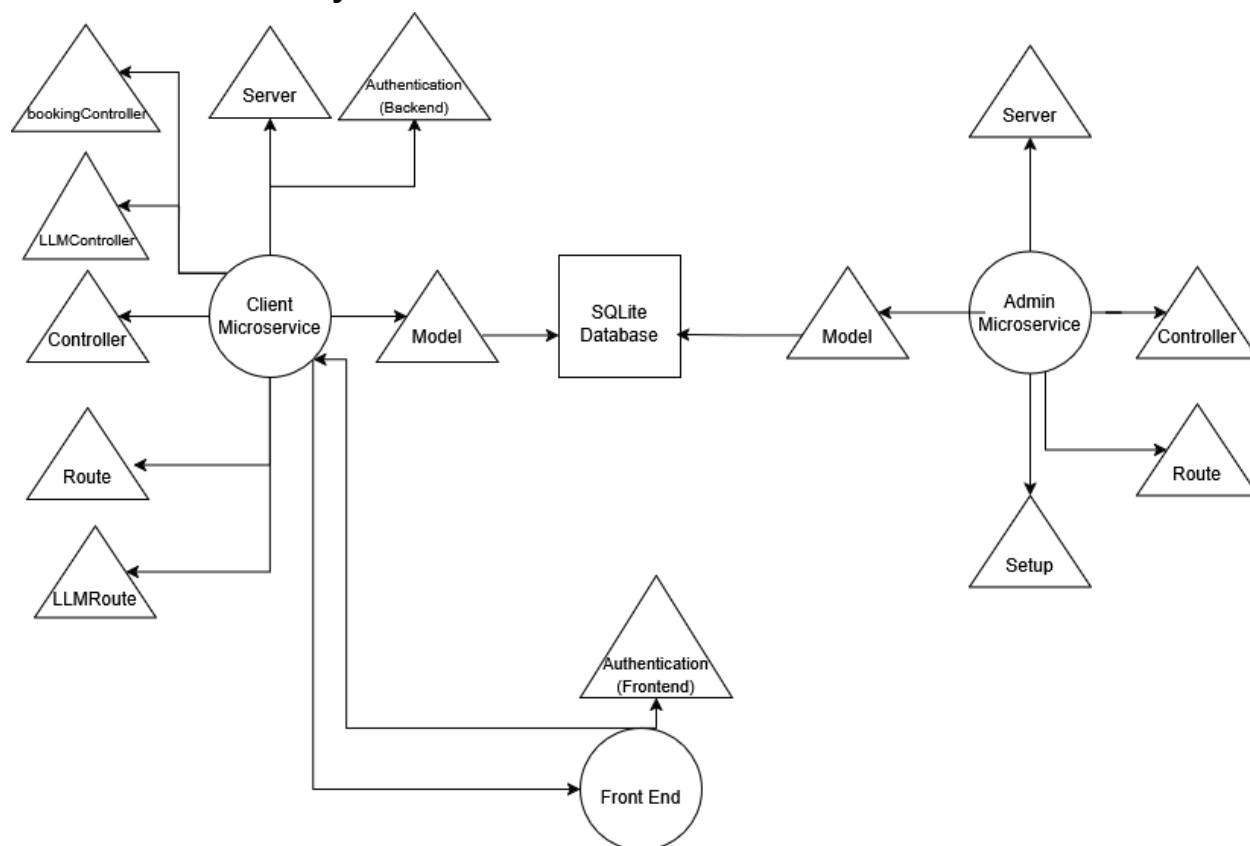
Project Overview

The TigerTix ticketing system is an online ticket and event management system for Clemson University. The system provides a way for students and faculty to purchase tickets to events hosted on campus, and for event hosters to allow tickets to their events to be purchased. The system utilizes user accounts to track tickets purchased and personalize the user experience. Accessibility features such as voice activation and an AI event lookup assistant are provided.

Tech Stack

The frontend is built using React. The backend uses [Node.js](#) with Express. Ticket and event data is stored in a shared SQLite database. The AI assistant utilizes OpenAI's ChatGPT. Tests are written using React's built-in testing library as well as Jest.

Architecture Summary



Installation and Setup

Clone the repository from github and ensure all dependencies are installed by running 'npm install' from a privileged terminal (ex. Powershell) inside of each microservice (frontend, client service, admin service). To run locally, run an instance of each microservice in a separate privileged terminal (for backend this means 'node [server.js](#)' and for frontend this means 'npm start').

Environment Variables Setup

An OpenAI key must be provided in a .env file in the frontend and client microservices in order for the AI assistant to run.

Regression Tests

Ensure React and Jest are installed. Run 'npm test' in a privileged terminal inside of each microservice. Tests are also run automatically when new code is pushed to github.

Team Members

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