

Sprint 1
For
TigerTix Development

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Table of Contents

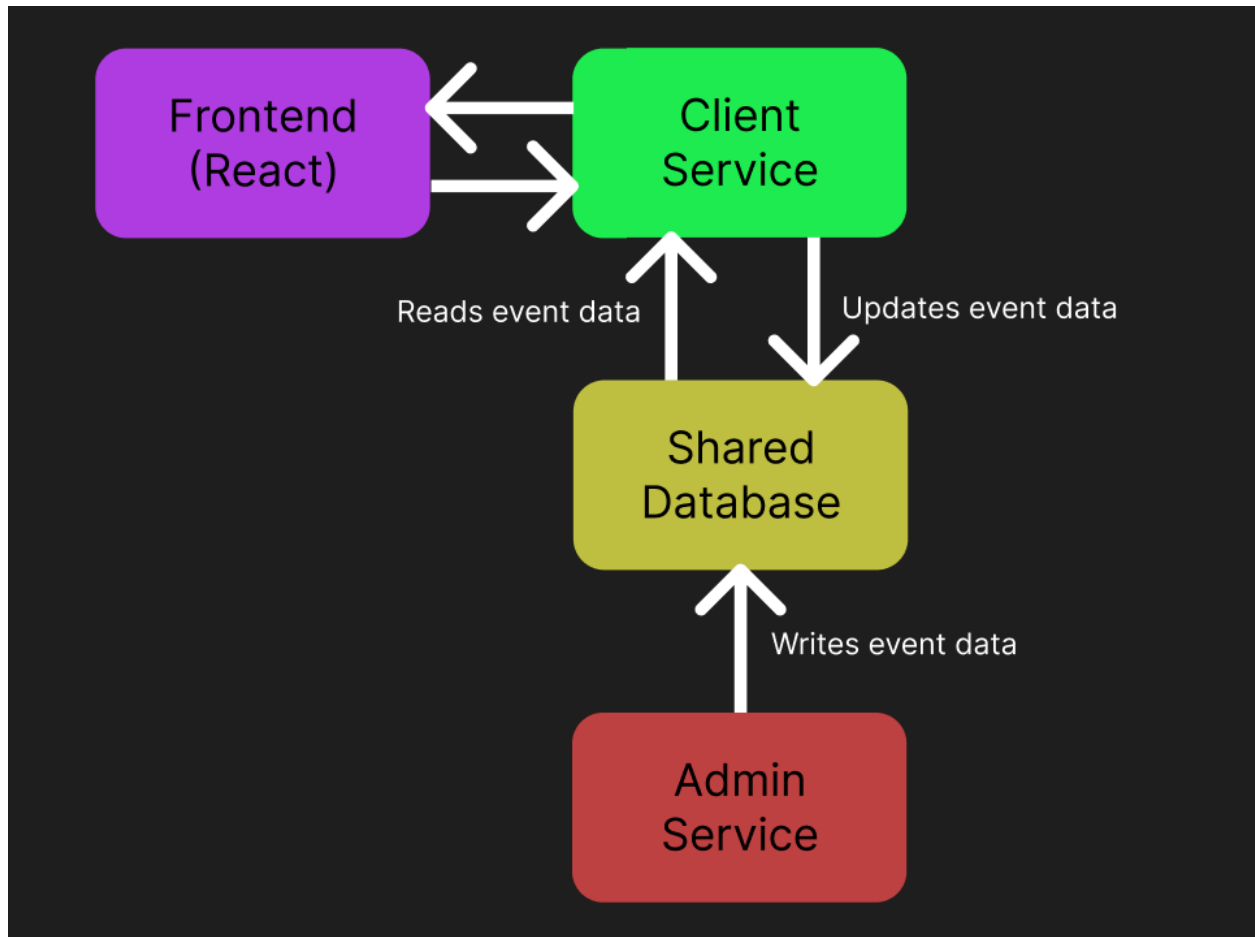
Architecture Design.....	3
Architecture Diagram.....	3
Explanation of Flow.....	3
Accessibility Description.....	3

Revision History

Name	Date	Reasons for Change	Version
Jonah Colestock, Chris Skelly	October 10, 2025	Initial version	0.1

Architecture Design

Architecture Diagram



Explanation of Flow

The admin microservice, only available from the backend, fills the shared database with new events and their associated info (name, data, ticket count). When the front end is run, it sends API calls to the client microservice to display the currently-available events and their information. The user can interact with the frontend to buy tickets, which updates the shared database to decrease the amount of tickets available. The frontend is dynamically updated with the current ticket count and the user receives visual confirmation of their ticket purchase.

Accessibility Description

The front end website application supports the ability to navigate between buttons via pressing the Tab key. This makes it possible to navigate the website without the use of a mouse. Another accessibility aid is offered in the form of a screen reader to audibly pronounce text that is

displayed on the screen. Through these combined features, this offers those with difficulties in vision the ability to navigate and use the application.