

Live Music and Concert Tickets

Kyle Louderback
Tanya Gupta

Scenario

- A web application that allows you to search for events and tickets
- Want to find a specific venue?
- What do your friends have planned?
- Do you need a place to host or upload an event?



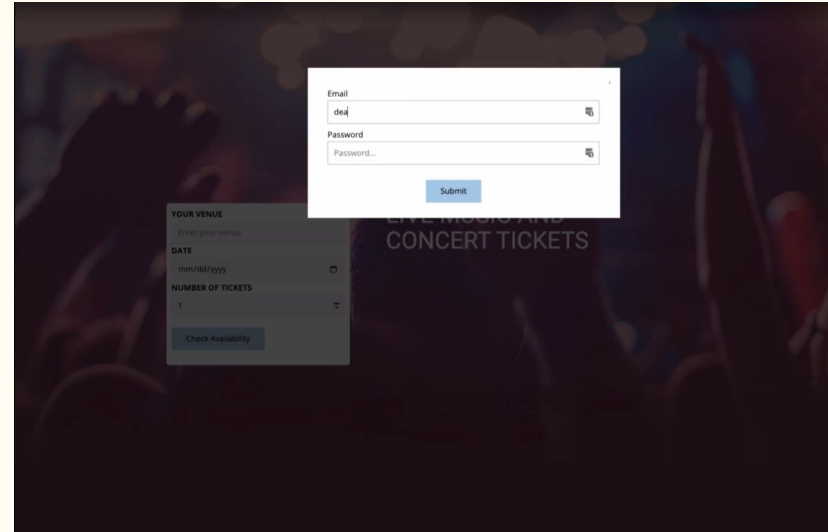
Goals of the App

- A place where friends can connect online and plan events together
- Hosts and Performers can upload events
 - Venue, Ticket Prices, etc.
- Consumers find events to attend
 - Within a certain date range
- Makes it an easy place for people to find concerts at certain venues
 - Buy tickets, have a profile and select favorite artists



Functionality of App

- Home page
 - Chooses venue, date range, tickets
 - User Account
- Tickets page
 - Venue, performer, and price details
 - Buy Tickets
- Profile Page (Consumer/Friend)
 - Tickets bought
 - Friends list
 - Profile



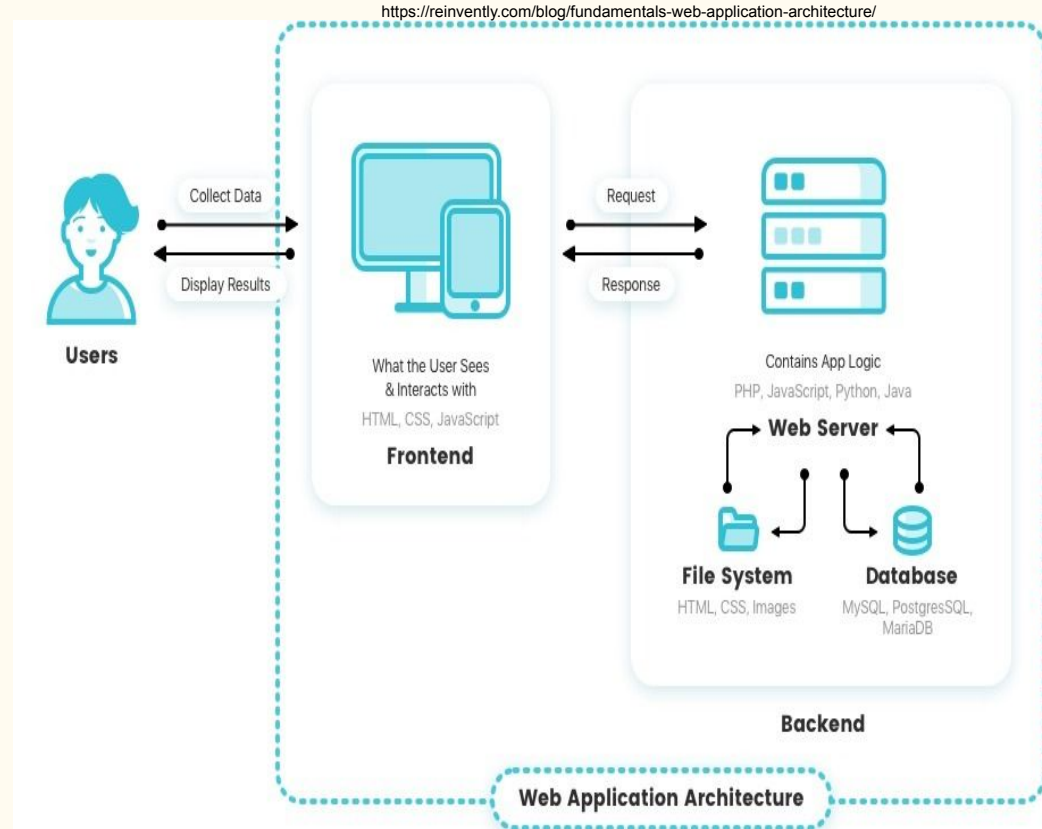
Functionality of App

- Hosts Functionality
 - Allows user to upload new events at Venue
 - Ticket Prices
- Performers Functionality
 - Allows user to upload performer/band detail
 - Ticket Prices
- Venue Functionality
 - Allows Hosts/Performers/Consumers to see venues



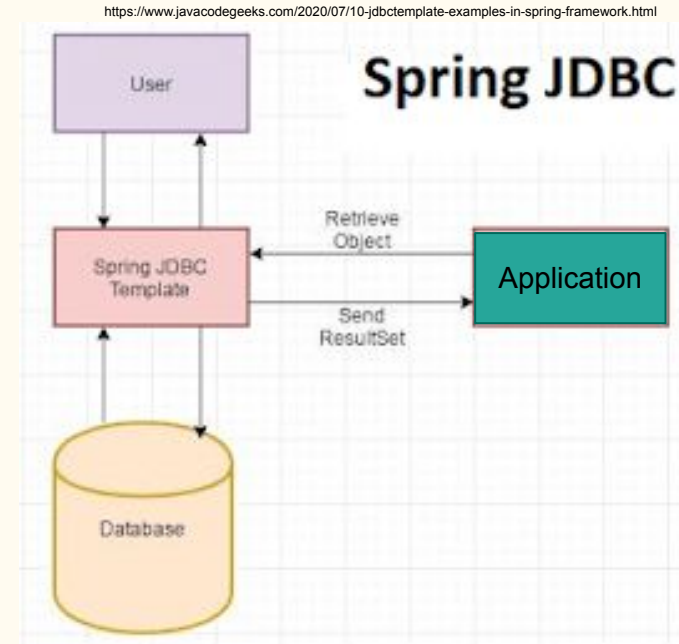
Architecture

- Frontend
 - js, HTML, css
 - HTML pages: About, Home, Tickets, etc.
 - css helped display style of app
 - js helped display other UI features
- Backend
 - Java to write functionality of entities
 - SQL, Oracle DB

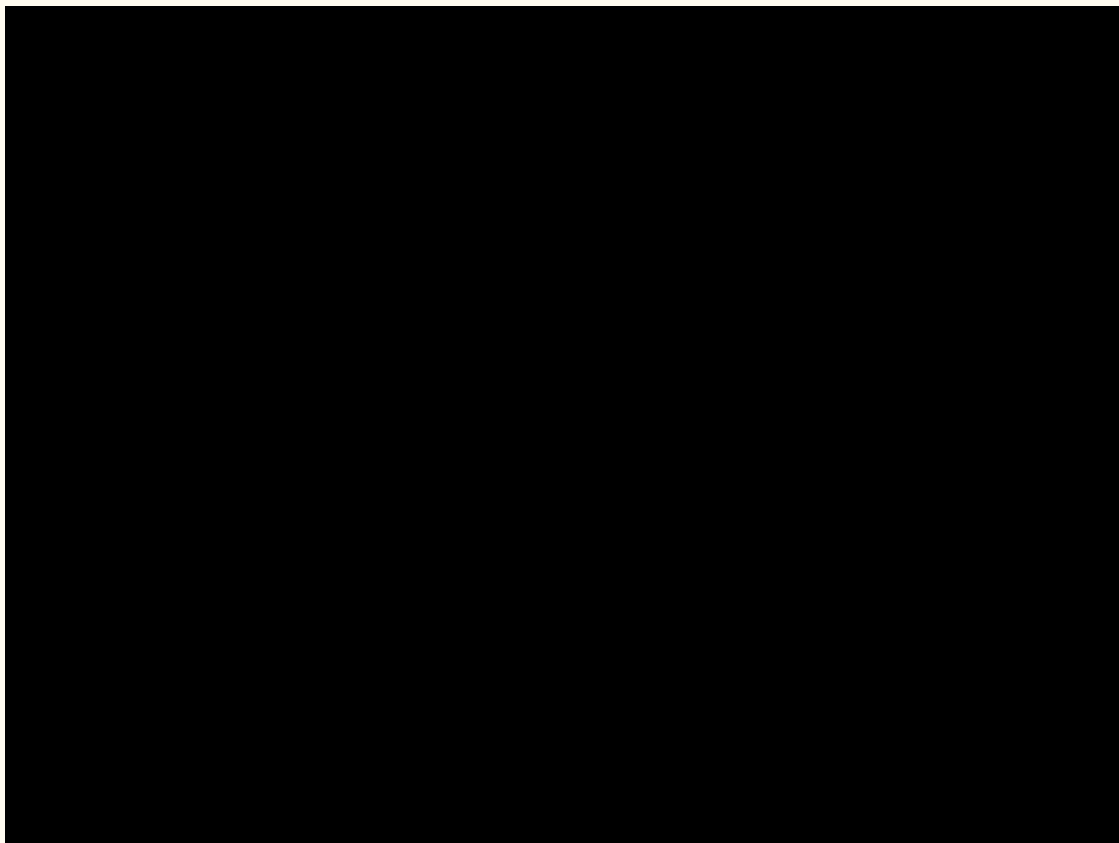


Design

- Database Management
 - Oracle DB, SQL
- JDBC
 - Driver manager
 - SQL script, data
 - Use of Interfaces
 - Javax package
- Spring Framework
 - `org.springframework.data`
 - Use of interface → `CrudRepository`



Demo



Challenges

- Scheduling meetings
- Connecting to the Database
- Learning Spring Framework
- Having the DB work simultaneously with source code
 - Learning to have js, JDBC, Java, html, css work together



Future Enhancements

- Make UI better
 - Make Friends list cleaner
 - Add new images
 - Add tables/charts for readability
 - Add seating functionality
 - Show list of tickets friends bought
- Finish up additional goals
 - Can use application to split money among themselves
 - Add a budget range for consumers
 - Allow hosts to upload their own images
 - Saves favorite artists
 - Add suggestions functionality



Tasks

- Kyle
 - Tickets, Consumers/ Friends entities
 - Spring Framework Organization
- Tanya
 - ER Diagram
 - Host, Performer, Venue entities
- Both
 - Final Report
 - Presentation
 - Database Script



Thanks for
Watching!