

Progress Report 1: Event Management and Ticketing Platform

Ticket Express

Professor Ezzati-Jivan

Product Title:	Ticket Express
GitHub URL:	https://github.com/DerfTastic/COSC_4P02.git
Group:	17
Start Date	January 15, 2025
Estimated Finish Date:	April 9, 2025
Scrum Master:	Joycelyn Chan
Product Owner:	Benjamin Williams
Team Leader	Jacob Applebaum
TA / Stakeholder:	Sarfaroz Yunusov

Development Team (Group 17):

Sinatra Almeida	(7060049)	sa20dy@brocku.ca
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Joycelyn Chan	(7239486)	jc21pf@brocku.ca
Taylor Chapman	(7178577)	lx20gi@brocku.ca
Parker TenBroeck	(7376726)	pt21zs@brocku.ca
Benjamin Williams	(6953954)	bw19xp@brocku.ca

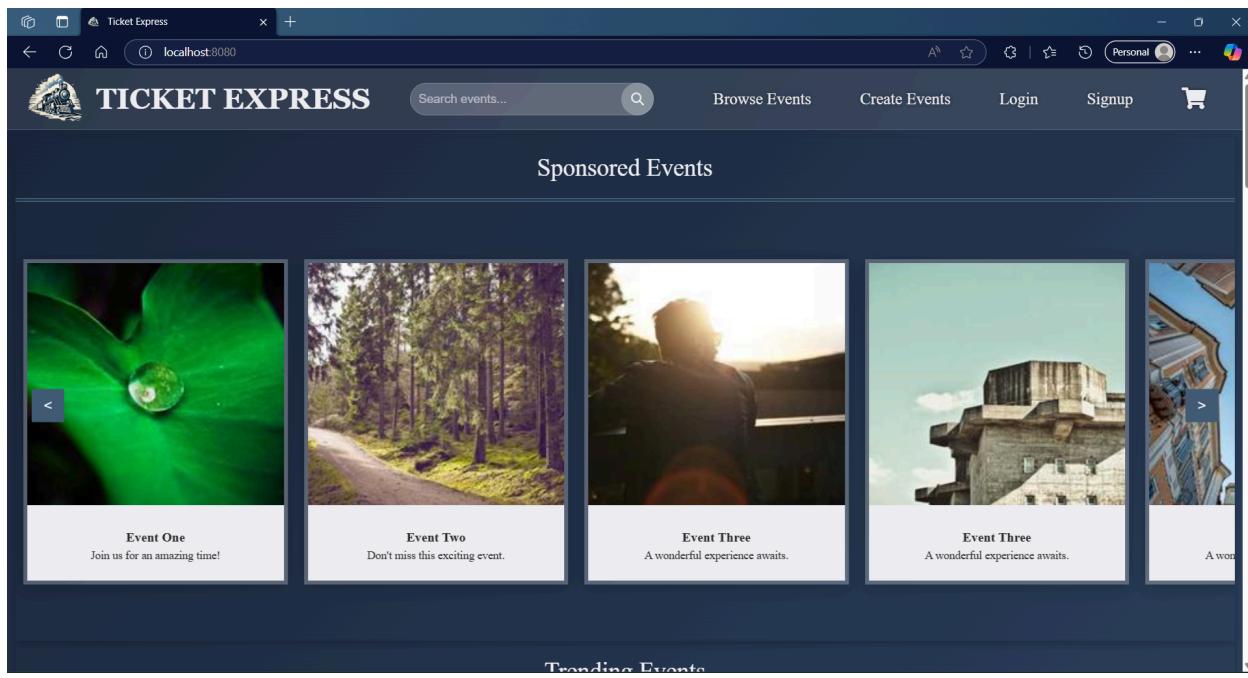
1. *Ticket Express v3.1.0-a (February 20th, 2025)*

a. Product Overview

Ticket Express v3.1.0-a has ground work established on both the front-end and back-end. The service is currently in a functional state for testing front-end and back-end behavior. Most features established in the release planning have begun to be implemented by the development team. Users are able to sign up as an attendee or organizer, browse events, and receive an email containing a QR code for an event. In principle, all the fundamental features of an event management and ticketing service are implemented in *Ticket Express v3.1.0-a*. Our team is currently focusing on completing all the desired front-end features for the next iteration.

Based on current metrics, Ticket Express is **currently ahead of schedule** and anticipated to fully release on **April 9, 2025**.

b. Tasks Completed



Homepage

- Navbar is responsive to user input
- Event drift from right to left
- Users can scroll suggested event list using arrows
- Search bar does not yet query for events

TICKET EXPRESS

Search events...

Create Events | Login | Signup |

Filter Events

Location:

Event Category:

Event Type:

Tag:

Price Range: Enter minimum price Enter maximum price

Event Date: yyyy-mm-dd yyyy-mm-dd

Sort By: Price Order: Ascending

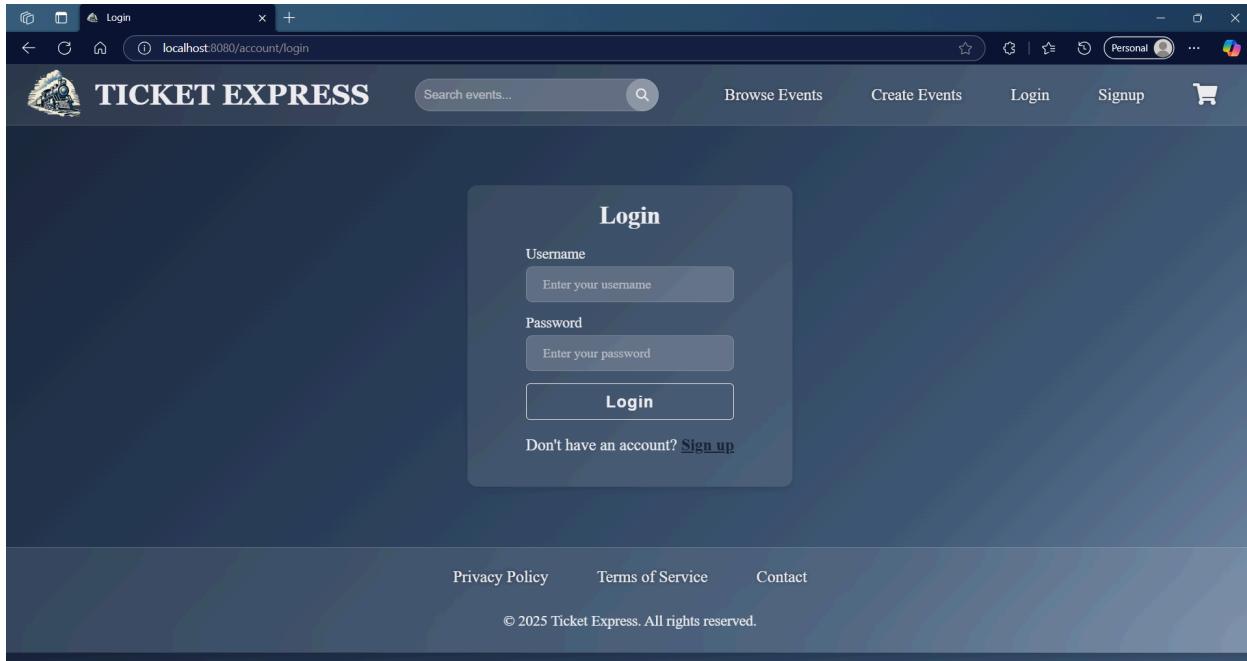
List of Events

This is where the list of all currently available events are listed for you to RSVP to.

Live Concert	
	Location: New York Category: Concert Type: Music Price: \$50 Date: 2024-06-15
Broadway Show	
	Location: Los Angeles Category: Theater Type: Drama Price: \$75

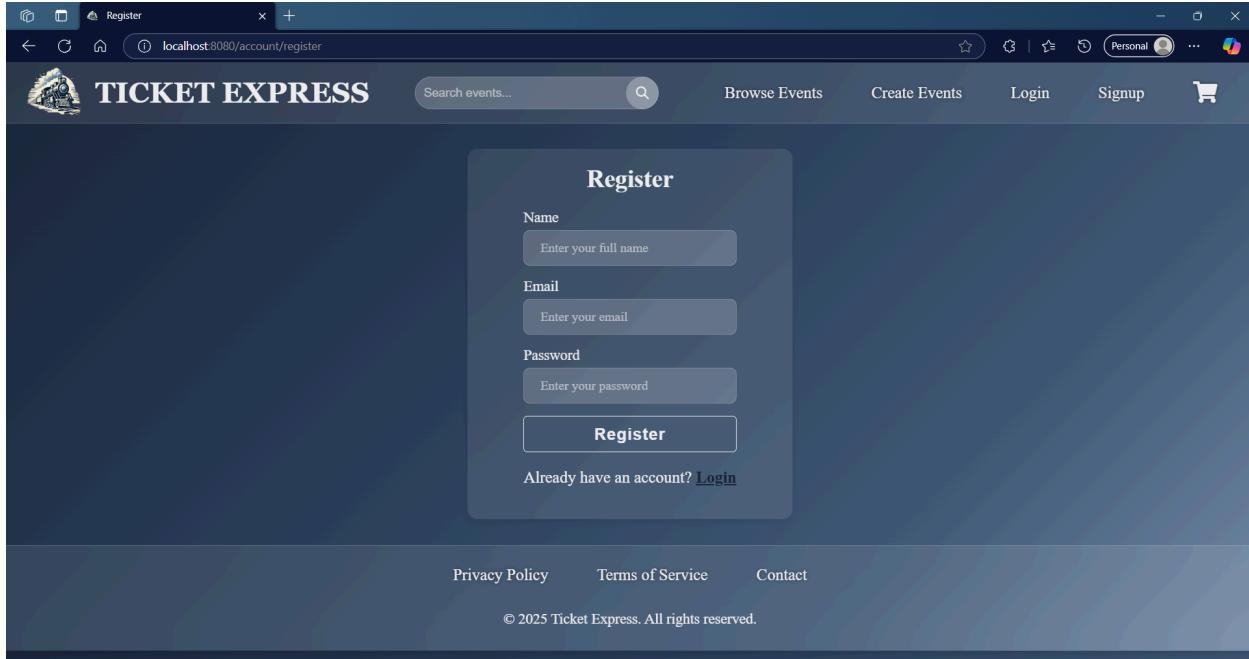
Browse Events

- Displays a list of events
- Each event includes a
 - .png image
 - Location
 - Category
 - Type
 - Price
 - Date
- Browse Events page offers a method of filtering events based on user provided arguments



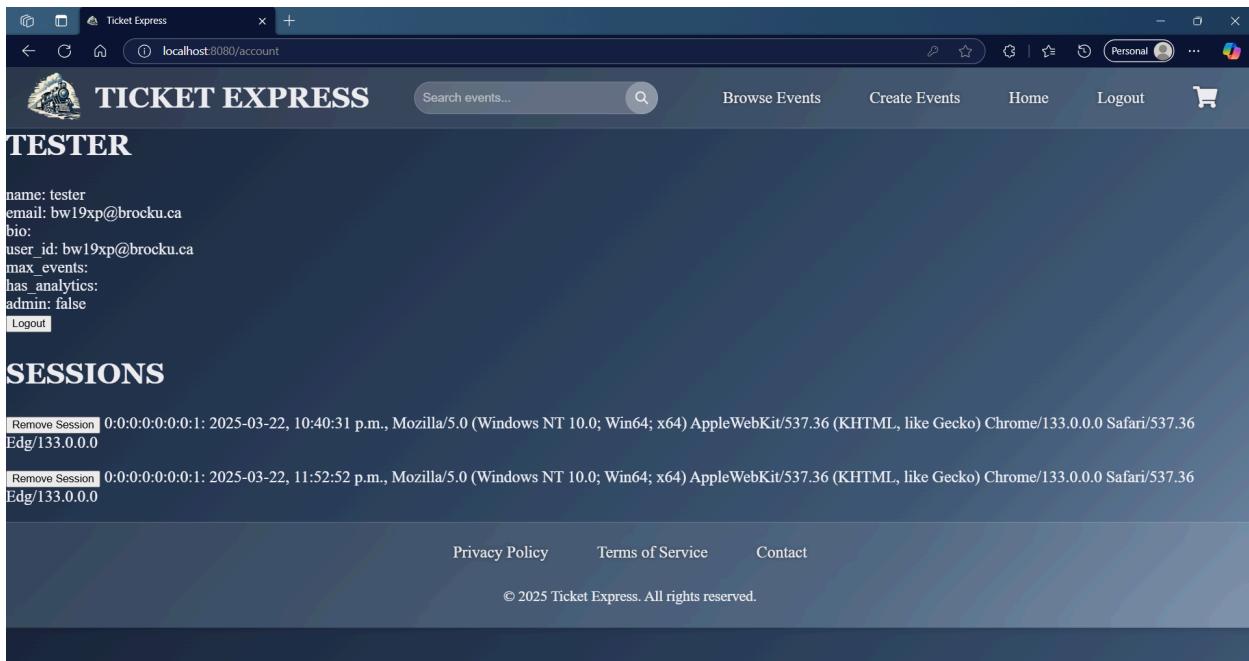
Login Page

- Once a user has made an account, they can login using their username (email address) and password registered during account creation
- If a user does not provide correct information, a text box appears on screen indicating what error has occurred.
- Successful login automatically redirects users to account page
- “Login” option on navbar is replaced by “Account” for logged in users
 - Upon replacement, clicking “Account” directs users to their respective account page



Signup Page

- Users may sign up to the service using a
 - Name
 - Valid email
 - Password
- The user receives an email upon registration for verification
- Offers a link to the login page if a user already has a registered account



User Account Page

- Currently displays as text
 - Name
 - Email
 - User ID
 - Analytics Privileges Status
 - Admin Status
- Logout button for logging out of account

ADMIN

```
name: Admin
email: admin@localhost
bio:
user_id: admin@localhost
max_events:
has_analytics:
admin: true
```

[Logs](#)

[Console](#)

[Stats](#)

[Logout](#)

SESSIONS

Remove Session 0:0:0:0:0:1 2025-03-23, 12:04:34 a.m., Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/133.0.0.0 Safari/537.36 Edg/133.0.0.0

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Admin Account Page

- A specialized type of Account Page
- Admin page offers features unavailable to standard users
 - Server Logs
 - Console (Execute SQL statements)
 - Server Statistics
- Page has links to the Logs, Console, and Stats

The screenshot shows a web browser window titled "Ticket Express" at the URL "localhost:8080/admin/logs". The page has a dark blue header with the "TICKET EXPRESS" logo and navigation links for "Logs", "Console", "Stats", "Home", and "Logout". Below the header, there is a "CONFIG" dropdown menu. The main content area displays two log entries in a yellow-bordered box:

```

WARNING: Route /api/login Failed to complete
framework.web.error.ClientError.respond - 2025-02-20, 12:57:43 p.m.
framework.web.error.Unauthorized: An account with the specified email does not exist, or the specified password is incorrect
at server.infrastructure.routes.RouteImpl.lambda$createHandler$1(RouteImpl.java:147)
at framework.web.route.RouteImpl.lambda$handler$0(RouteImpl.java:647)
at framework.web.route.RouteImpl.lambda$attachHandler$1(WebServerImpl.java:75)
at server.infrastructure.WebServerImpl.lambda$attachHandler$1(WebServerImpl.java:75)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:95)
at jdk.httpserver/com.sun.net.httpserver.AuthFilter$doFilter(AuthFilter.java:82)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:98)
at jdk.httpserver/com.sun.net.httpserver.ServerImpl$ExchangeLinkHandler$EndHandler$ServerImpl.java:733)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:95)
at jdk.httpserver/com.sun.net.httpserver.ServerImpl$Exchange$run(ServerImpl.java:200)
at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1136)
at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:635)
at java.base/java.lang.Thread.run(Thread.java:833)

WARNING: Route /api/login Failed to complete
framework.web.error.ClientError.respond - 2025-02-20, 11:40:20 a.m.
framework.web.error.Unauthorized: An account with the specified email does not exist, or the specified password is incorrect
at server.infrastructure.routes.RouteImpl.lambda$createHandler$1(RouteImpl.java:147)
at framework.web.route.RouteImpl.lambda$handler$0(RouteImpl.java:647)
at framework.web.route.RouteImpl.lambda$attachHandler$1(WebServerImpl.java:75)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:95)
at jdk.httpserver/com.sun.net.httpserver.AuthFilter$doFilter(AuthFilter.java:82)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:98)
at jdk.httpserver/com.sun.net.httpserver.ServerImpl$ExchangeLinkHandler$EndHandler$ServerImpl.java:733)
at jdk.httpserver/com.sun.net.httpserver.Filter$Chain.doFilter(Filter.java:95)
at jdk.httpserver/com.sun.net.httpserver.ServerImpl$Exchange$run(ServerImpl.java:200)
at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1136)
at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:635)
at java.base/java.lang.Thread.run(Thread.java:833)

INFO: Server started on http://0.0.0.0:8080
framework.web.WebServer.start - 2025-02-20, 11:39:28 a.m.

```

At the bottom of the page, there is a blue footer bar with the text "INFO: Server started on http://0.0.0.0:8080" and "framework.web.WebServer.start - 2025-02-20, 11:39:28 a.m."

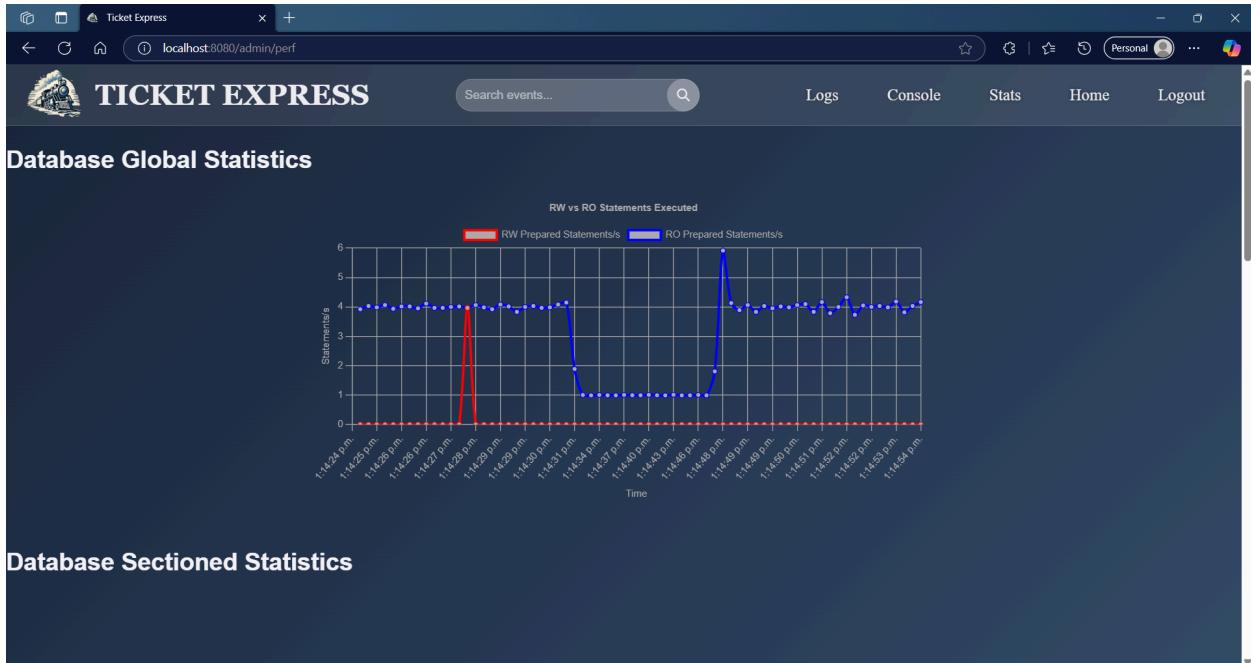
Admin Logs Page

- This page enables admin users to access the logs of the web server

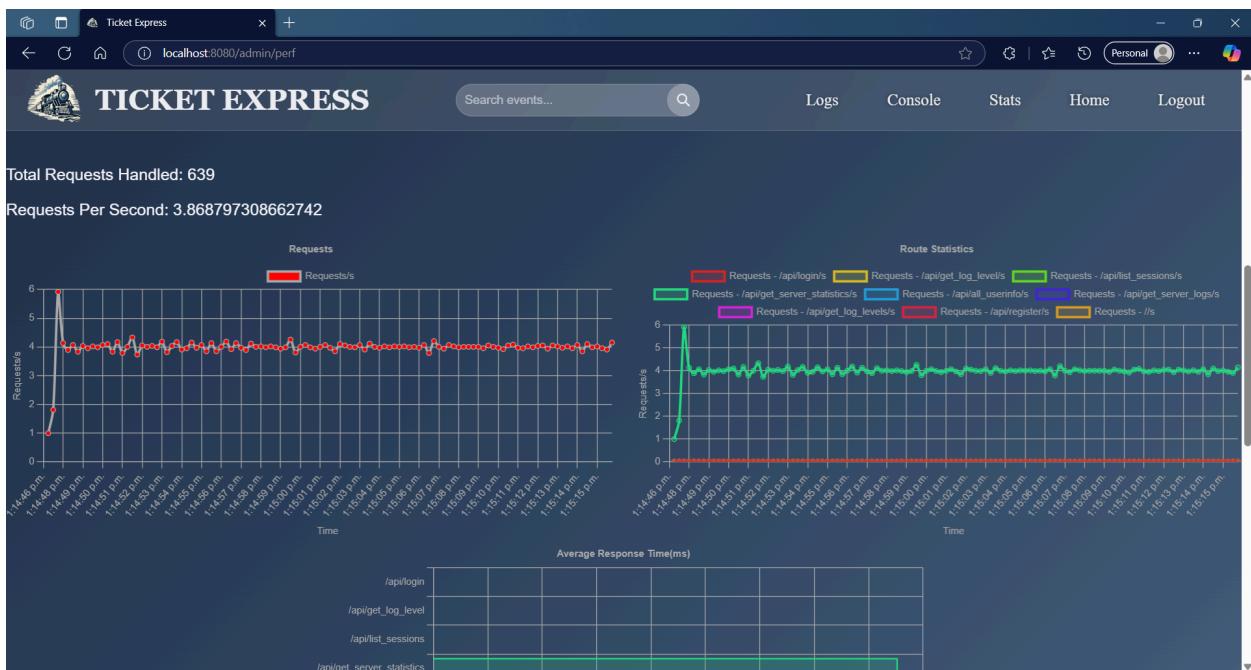
The screenshot shows a web browser window titled "Ticket Express" at the URL "localhost:8080/admin/console". The page has a dark blue header with the "TICKET EXPRESS" logo and navigation links for "Logs", "Console", "Stats", "Home", and "Logout". Below the header, there is a "Search events..." search bar. The main content area is titled "SQL Console" and contains a text input field with the placeholder "Enter your SQL query here..." and a large black rectangular area below it for displaying results.

Admin Console Page

- Admins can execute SQL statements on the database using this page



Admin Server Statistics (1)



Admin Server Statistics (2)



Admin Server Statistics (3)

- Page offers a plethora of analytics visualizations for admin user
- Analytics are updated dynamically

Current Features:

- Completed Database Features
 - Accounts
 - Events
 - Sessions
 - Payments
 - Tickets
- Framework for API Route Generation
- Login Authentication
- Email Automation
- Signup Page
- Static File Server
- Fully functional back-end
- Automated QR code generation for events sent through email

c. Ongoing Tasks

- Documentation of back-end
- Manual testing of framework
- Creation of individual Event Page
- Browse Event Page

- Creation of the Create Event Page
- Responsive web design using CSS media queries

d. Upcoming Tasks

In the upcoming iteration, *Ticket Express* is expected to undergo comprehensive unit testing and refinement of front-end mechanics. The established goal is to consistently incorporate responsive design as new features are developed. The development team of *Ticket Express* will continue to brainstorm and engineer additional features.

- Design of the Account Pages
- Design Checkout Page
- Create the User Account Page
- Create Admin Account Page
- Search bar filter
- Email Notification Service
- Front-end error handling
- QR code scanning

2. Software Development Process

Iteration 1 (January 15 - January 29)

- *Sprint 1 (January 15 - January 21)*
 - *Scrum Meeting (January 15, 2025)*
 - Development team brainstormed requirements for Ticket Express
 - Discussed approaches to Event Management and Ticket in the context of Software as a Service
 - Established a preliminary timeline for Scrum process of Ticket Express
 - Established roles within team
 - Scrum Master: Joycelyn Chan
 - Product Owner: Benjamin Williams
 - Team Leader: Jacob Applebaum
 - Back-end Leader: Parker TenBroeck
 - Back-end Team:
 - Benjamin Williams
 - Jacob Applebaum
 - Front-end Leader: Sinatra Almeida
 - Front-end Team:
 - Joycelyn Chan
 - Taylor Chapman

- Scheduled weekly scrum meetings on Thursday from 3:00PM - 4:00PM
- Created GitHub repository for *Ticket Express* and added all members
- **Time Elapsed: 4 Hours**
- *Project Tasks Completed*
 - Authored Release Planning Document (All Members)
 - Create Static File Server (Parker TenBroeck)
 - Create Framework for API Route Generation (Parker TenBroeck)
 - Designed Style Outline for Product (Joycelyn Chan & Sinatra Almedia)
 - Implement Style for front-end (Sinatra Almeida)
- *Sprint 2 (January 22 - January 29)*
 - *Scrum Meeting (January 22, 2025)*
 - Created a GitHub Projects page to record tasks and added all members
 - Updated tasks on GitHub Projects page
 - Sinatra and Joycelyn tasked with designing and creating the header, footer, and Landing Page
 - Discussed approaches to refactoring current project
 - Discussed potential methods for implementing QR code scanning and generation
 - Reinspecting software requirements for project
 - **Time Elapsed: 2 Hours**
 - *Project Tasks Completed*
 - Contacted Mr. Yunusov (TA and stakeholder) to schedule meetings (Benjamin Williams)
 - Designed and Implemented Database Structure (Parker TenBroeck)
 - Created Sign Up (Sinatra Almeida)
 - Created Login Page (Sinatra Almeida)
 - Develop Javascript front-end API (Parker TenBroeck)
 - Login Authentication (Parker TenBroeck)
 - Optimize Static File Server (Parker TenBroeck)
 - Design Rough Draft for the Landing, Login, Sign Up Page (Joycelyn Chan & Sinatra Almedia)

Iteration 2 (January 30 - February 12)

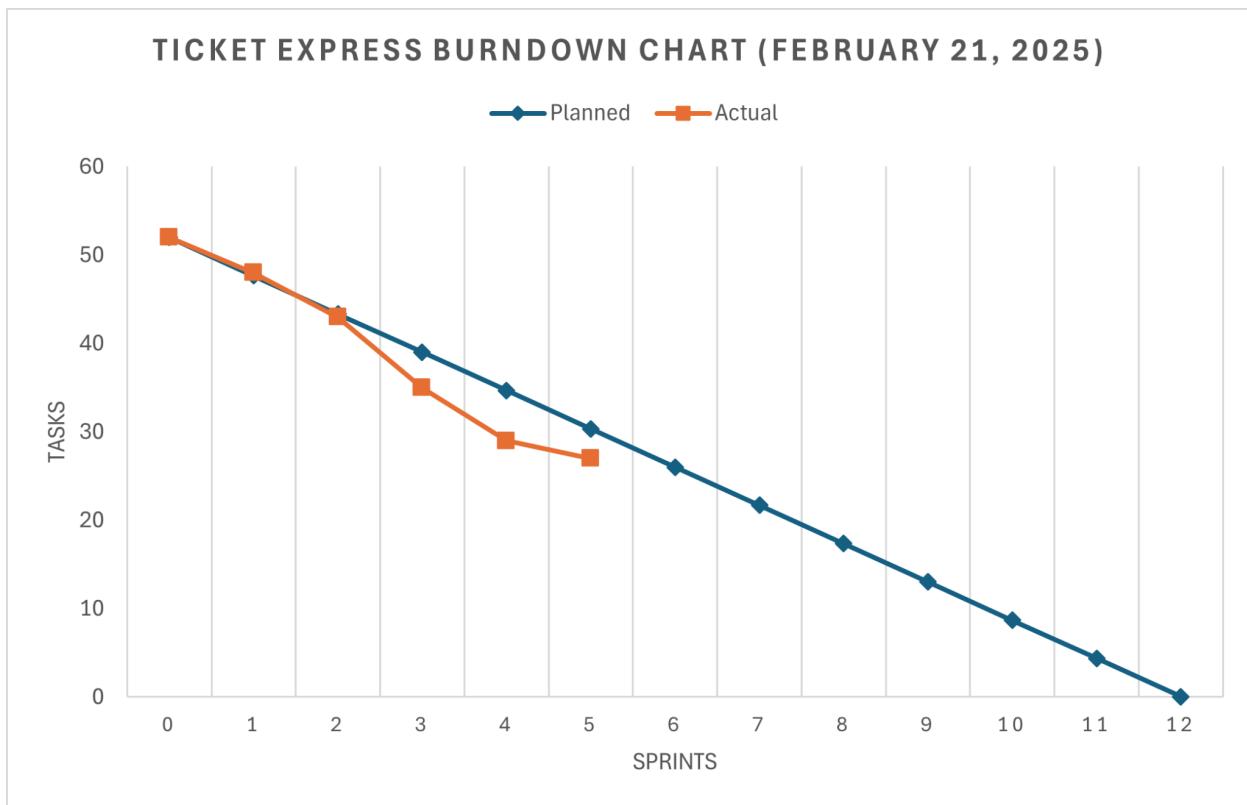
- *Sprint 3 (January 30 - February 5)*
 - *Scrum Meeting (January 30, 2025)*
 - Updated GitHub Projects page
 - Estimate velocity of upcoming sprint
 - Parker suggested introducing server analytics as a feature
 - Suggestion: Add way of labeling events with tags

- **Time Elapsed: 2 Hours**
- *Project Tasks Completed*
 - Design Layout of Event and Create Event Page (Joycelyn Chan)
 - Design layout for the Browse Event Page (Joycelyn Chan)
 - Created Header, Footer, and Landing Page (Sinatra Almeida)
 - Expose Search API (Parker TenBroeck)
 - Create API for Event Management (Parker TenBroeck)
 - Update Server to use Longs for Database (Parker TenBroeck)
- *Sprint 4 (February 6 - February 12)*
 - *Scrum Meeting (February 6, 2025)*
 - Updated GitHub Projects page
 - Question: Front-end developers asked about content that's in the database for the event page?
 - **Time Elapsed: 2 hours**
 - *Project Tasks Completed*
 - Created Browse Events Page (Taylor Chapman)
 - Create Browse Events sidebar and filters (Taylor Chapman)
 - Created initial implementation of Create Events Page (Sinatra Almeida)
 - QR Code Generation (Jacob Applebaum)
 - SQL Queries for Filtering (Parker TenBroeck)
 - Record Statistics for Regular SQL Statements (Parker TenBroeck)
 - Uploaded Content File Server (Benjamin Williams)

Iteration 3 (February 13 - February 26)

- *Sprint 5 (February 13 - February 19)*
 - *Scrum Meeting (February 13)*
 - Updated GitHub Projects page
 - Tested current iteration of the service as a group
 - Question: When should the product enter the testing phase?
 - **Time Elapsed: 1.5 hours**
 - *Project Tasks Completed*
 - Write Progress Report 1 (Benjamin Williams)
 - Create Analytics API (Parker TenBroeck & Benjamin Williams)
 - Restrict Specific API Endpoints (Parker TenBroeck)
 - Created customized navigation bar links based on admin and user login. (Sinatra Almeida)
 - Updated the design to incorporate a Glassmorphism effect and linear gradients. (Sinatra Almeida)

- Designed the User Account Page rough draft and template (Joycelyn Chan)
- *Sprint 6 (February 20 - February 26)*
 - *Progress Report 1 Meeting - with TA (February 20)*
 - Discussed Progress Report meeting rundown before meeting with Mr. Yunusov, the TA
 - Demoed completed pages and features in the program
 - Went over our iterations and sprints showing current progress
 - Got complemented by Mr. Yunusov saying we were ahead of most teams
 - **Time Elapsed: 1.5 hours**



3. Challenges

Development on *Ticket Express* is currently ahead of schedule. It is expected to be completed well before the internal deadline of April 9th, 2025. Although there has been significant progress in development, challenges have occurred during development. One such challenge has been the variable workloads of each developer from other courses. Each member of the development team has been forced to endure periods of decreased productivity, but this has always been followed by periods of strong commitment to the product. This issue was

anticipated in the first scrum meeting, and a solution has been constructed to address the issue. Although progress is currently ahead of schedule, external factors continue to affect progress.

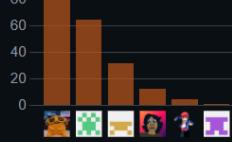
Furthermore, most of the testing has not been implemented. Theoretically, the server and database are capable of supporting all the features for Ticket Express. Testing will be delayed until the next iteration.

4. GitHub Log & Contributions

January 22, 2025 – February 22, 2025 Period: 1 month ▾

Overview			
0 Active pull requests		31 Active issues	
↳ 0 Merged pull requests	↑ 0 Open pull requests	⌚ 22 Closed issues	🕒 9 New issues

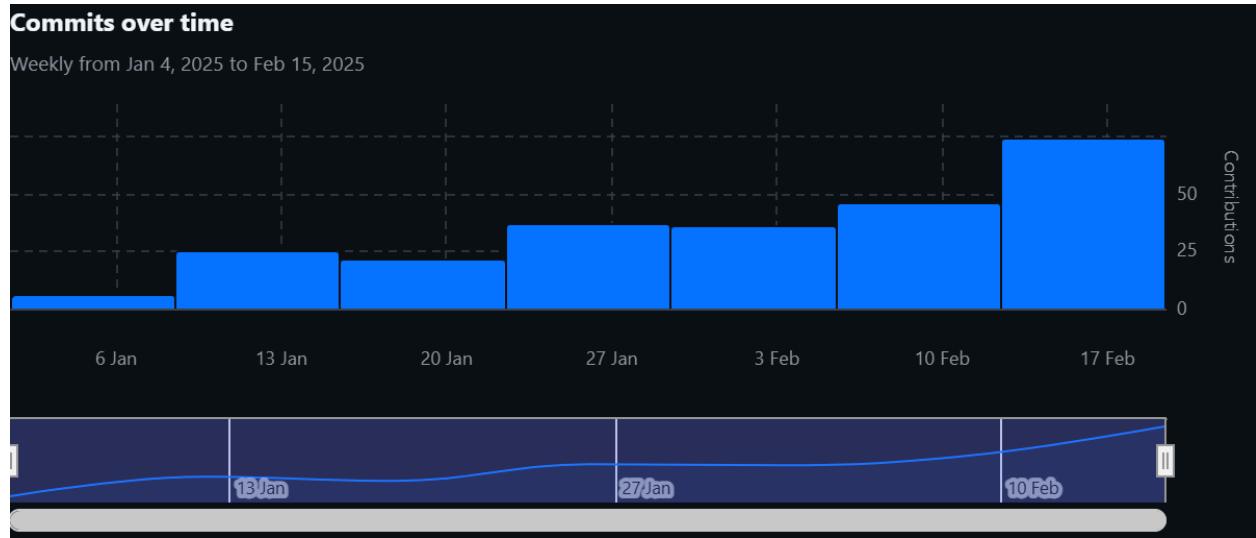
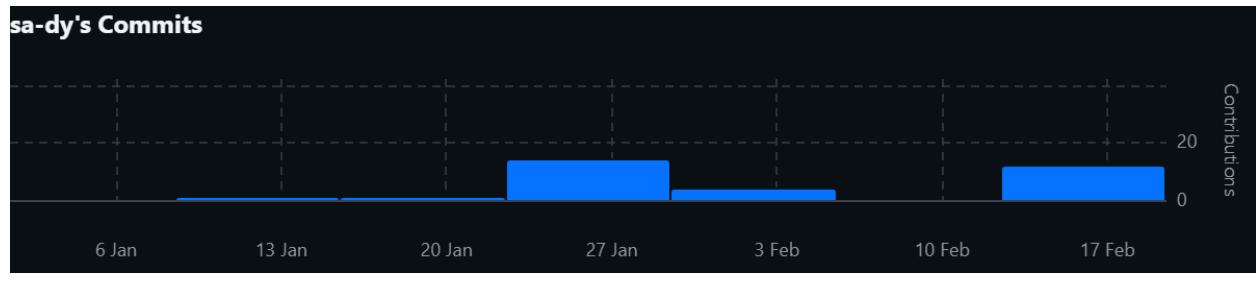
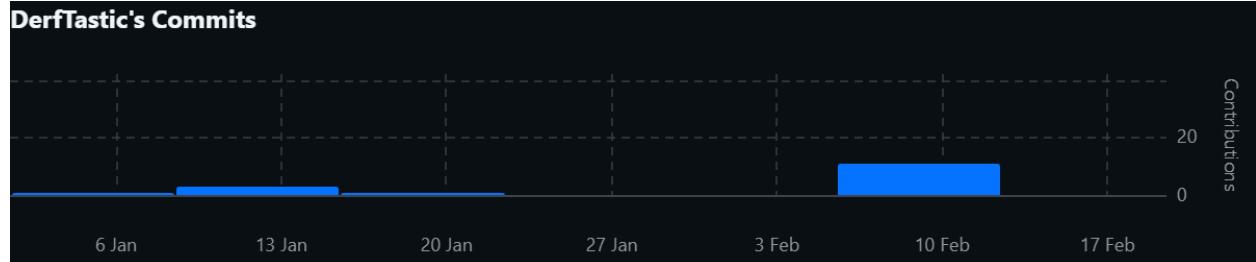
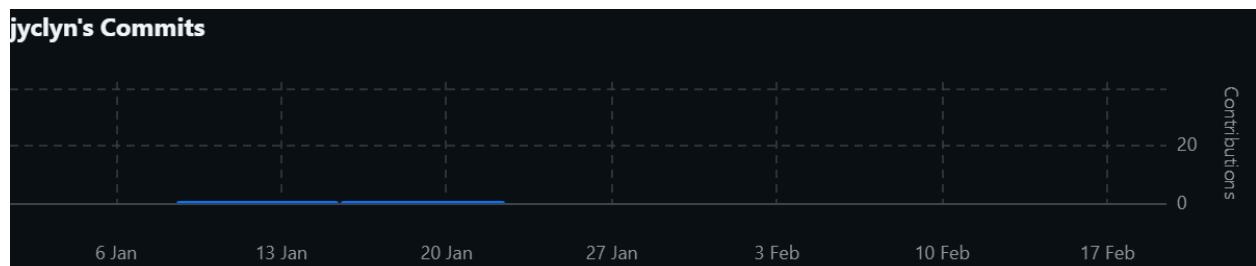
Excluding merges, **6 authors** have pushed **201 commits** to main and **201 commits** to all branches. On main, **145 files** have changed and there have been **9,780 additions** and **1,782 deletions**.

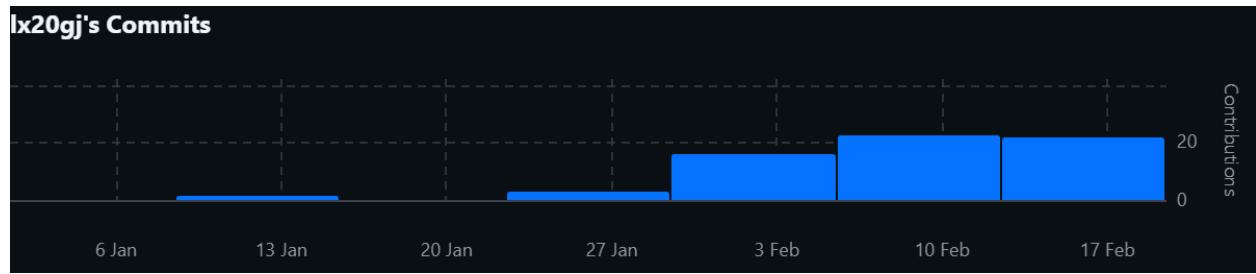


⌚ 22 Issues closed by **4 people**

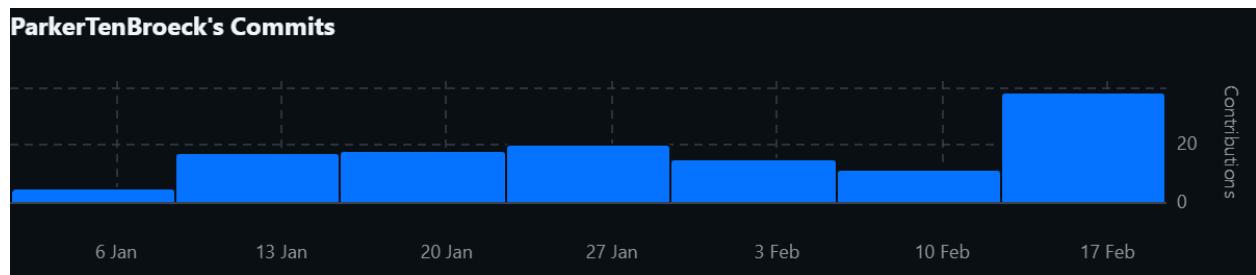
- ⌚ GitHub bureaucracy and readme
#36 closed 16 hours ago
- ⌚ Develop Javascript frontend API with server
#35 closed 16 hours ago

GitHub Pulse

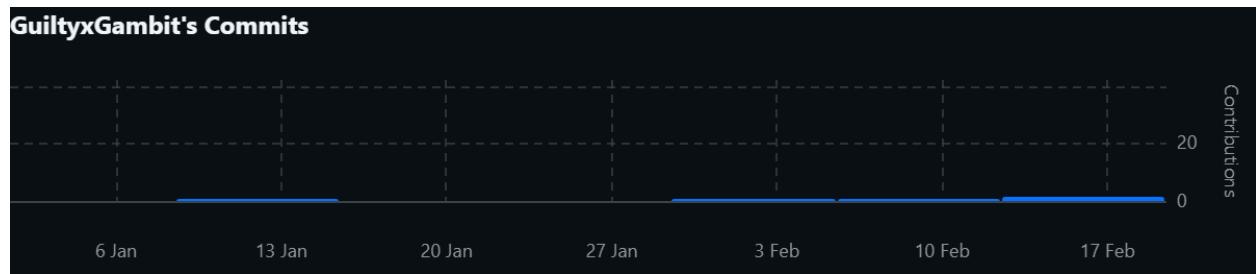
**Commits Overtime****Sinatra's Commit History (2,464++ 545--)****Jacob's Commit History (56++ 27--)****Joycelyn's Commit History (1++ 0--)**



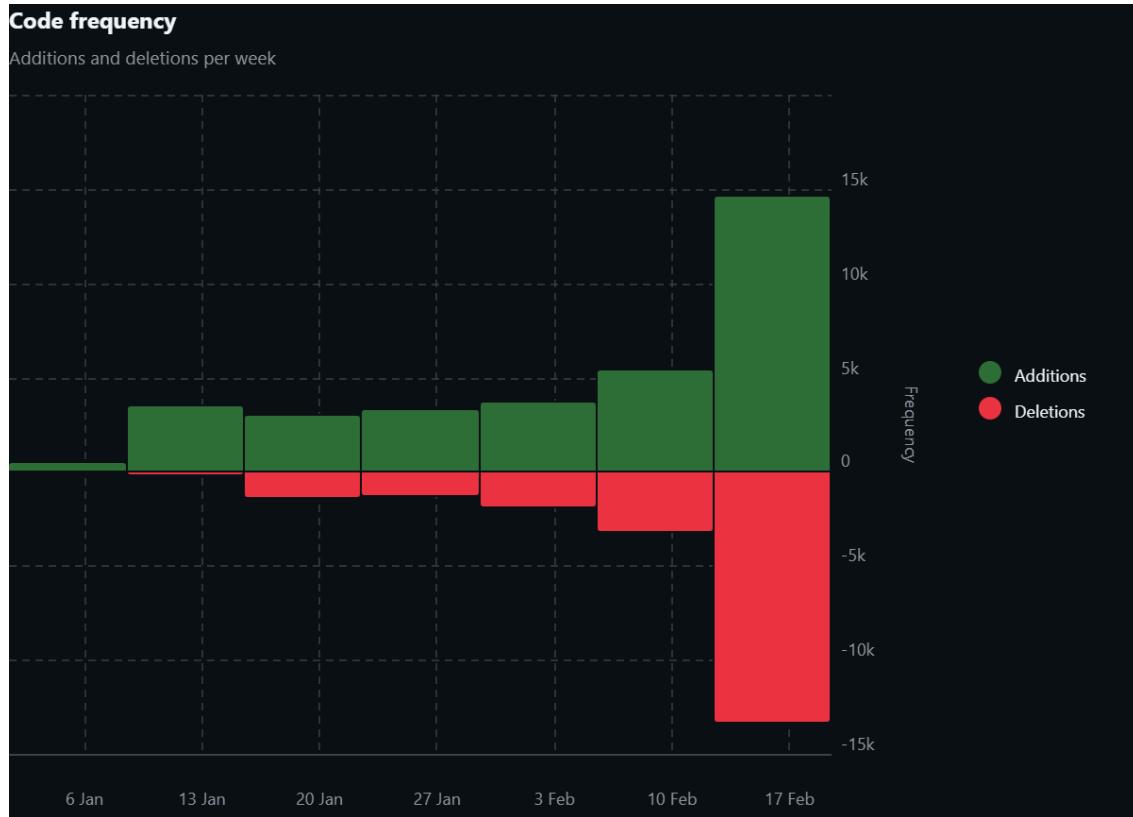
Taylor's Commit History (1,474++ 1,221--)



Parker's Commit History (29,969++ 19,566--)



Ben's Commit History (127++ 40--)



Code Frequency Graph

is:issue state:open

Open 10 Closed 25

Author Labels Projects Milestones Assignees Types Newest

Issue	Labels	Assignees	Comments
Create Event Analytics API			1
Write Progress Report 1			1
Documentation	documentation		1
Framework Testing	medium	system admin	1
Database Testing	medium	system admin	1
Uploaded Content Server Testing	medium	system admin	1
Account API testing	medium	system admin	2
Expose ticket verification API endpoint	attendee feature medium organizer security system admin		1
API Testing	medium	system admin	4
Email Notification Service	attendee enhancement feature medium system admin		1

Current Issues

Contribution Breakdown

1. Sinatra Almeida (7060049)

- Lead Front-End Developer
- Web Designer
- Designed and developed the Homepage
- Designed and developed the Login Page
- Designed and developed Header And Footer
- Updated CSS for improved UI and aesthetics
- Added a search bar and dynamic links to the header based on login type
- Updated Media Queries for Responsive Design
- Reviewed & Revised Reports

2. Jacob Applebaum (7215031)

- Created GitHub
- Authored GitHub .README
- Lead meetings
- Discussed QR code generation
- Helped with Reports
- Gave feedback design
- Discussed testing methodology

3. Joycelyn Chan (7239486)

- Web Designer
- Designed Rough Draft and Template for Header and Footer
- Designed Rough Draft and Template for Profile Page
- Designed Rough Draft and Template for Events Page
- Designed Rough Draft for Create Events Page
- Designed Rough Draft for Browse Event Page
- Designed Rough Draft and Template for Landing Page
- Streamline UI
- Revised & Edited Reports

4. Taylor Chapman (7178577)

- Created Browse Events Page
- Worked on the filtering for events
- Gave feedback design
- Co-Authored Release Planning Document

5. Parker TenBroeck (7376726)

- Lead developer of back-end
- Created and Optimized Static File Server
- Designed Server Analytics
- Developed Web Server APIs
- Manual Testing of Database and Server API
- Developed Structure of Logs
- Designed Properties File
- Engineered Development Tools
- Gave feedback design

6. Benjamin Williams (6953954)

- Technical manual author
- Documentation author
- Project Proposal author
- Release Planning Document author
- Communicates technical details
- Supervised database and server development
- Gave feedback design