

Progress Report 2: Ticket Express - Event Management and Ticketing Services

Professor Ezzati-Jivan

Product Title:	Ticket Express
GitHub URL:	https://github.com/DerfTastic/COSC_4P02.git
Deployment URL:	https://ticketexpress.tpgc.me/
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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Benjamin Williams	(6953954)	bw19xp@brocku.ca

1. *Ticket Express v5.1.0-a* (March 20th, 2025)

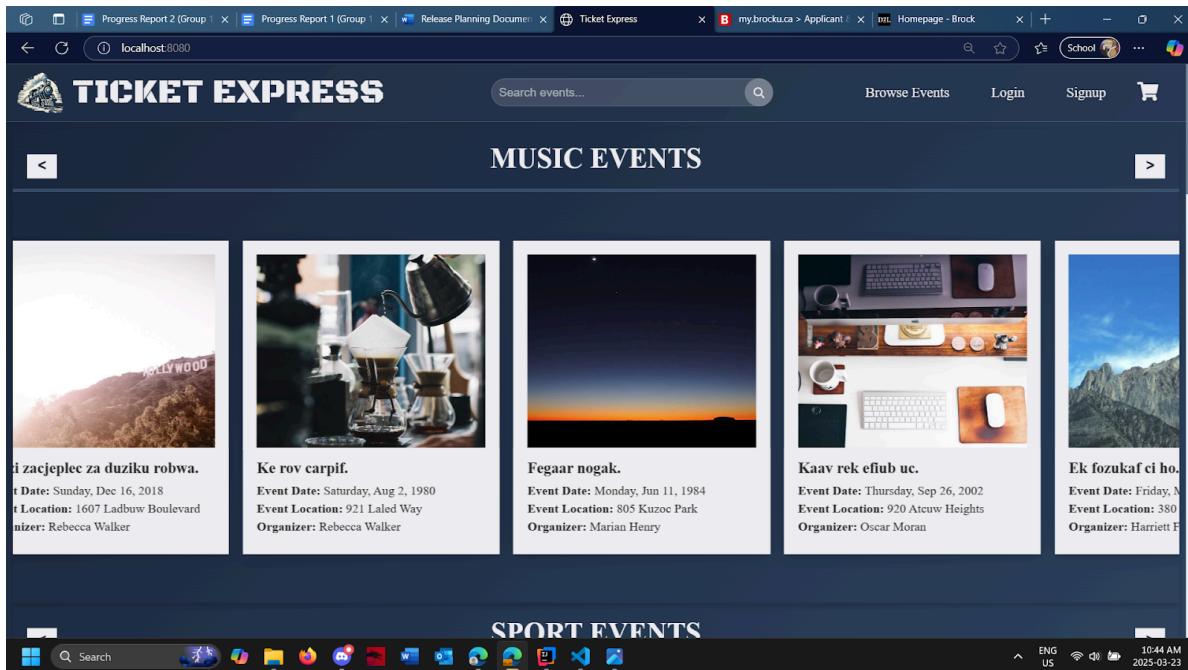
A. Product Overview

Since the first progress report submitted on February 23rd, 2025, Ticket Express has undergone two iterations. *Ticket Express v5.1.0-a*, has many more features added. Most of the planned features from the release planning document have been realized in this iteration, although there remains a few missing. The checkout page, payment feature, event registration, and ticketing are the last of the planned features to be added before the next iteration. *Ticket Express v6.0.0* is expected to be feature complete, which will make it the first beta release.

Compared to the previous progress report, there is less tangible progress that can be reported. A contributing factor to this is that the tasks undertaken by the team have a more ambiguous threshold for completion. Weekly scrum meetings are now primarily used for gauging the completion of tasks and discussing methods of implementation. Despite not hitting the goal of making Ticket Express feature-complete for this report, significant progress has been made in these last sprints. Each and every planned feature has undergone development in preparation to be completely implemented before **March 27th**, the beginning of the final iteration before the estimated release date of April 9th.

Based on our current metrics, our team is confident we will meet the **April 9th** release date.

B. Key Tasks Completed:



Homepage More Responsive and User Friendly

- Important information regarding the events are now listed within their containers. Events now visually list
 - Date
 - Location
 - Organizer
- Clicking on the container for an event now links to the respective event page



Refined Browse Events Page

- "Browse Events" page now displays randomly generated events in a ticket container, each linking to its own unique event page.
- Redesigned the tickets displaying the events
- Edited Filter Events sidebar
- Events are currently auto generated by a script that fills in event fields with randomized text

The screenshot shows a web browser with multiple tabs open. The active tab is 'https://ticketexpress.tpgc.me/event/search'. The page features a dark blue header with the 'TICKET EXPRESS' logo and a search bar. On the left, there's a sidebar titled 'Filter Events' containing various input fields for location, event category, tag, price range, and event date. The main content area displays a ticket stub placeholder with the word 'Image' and a detailed event card for a 'Tech Conference' scheduled for 2024-10-12 in Seattle. The event is categorized as a Conference, with tags for Technology and Networking, and a price of \$100. At the bottom, there are links for Privacy Policy, Terms of Service, and Contact, along with a copyright notice for 2025.

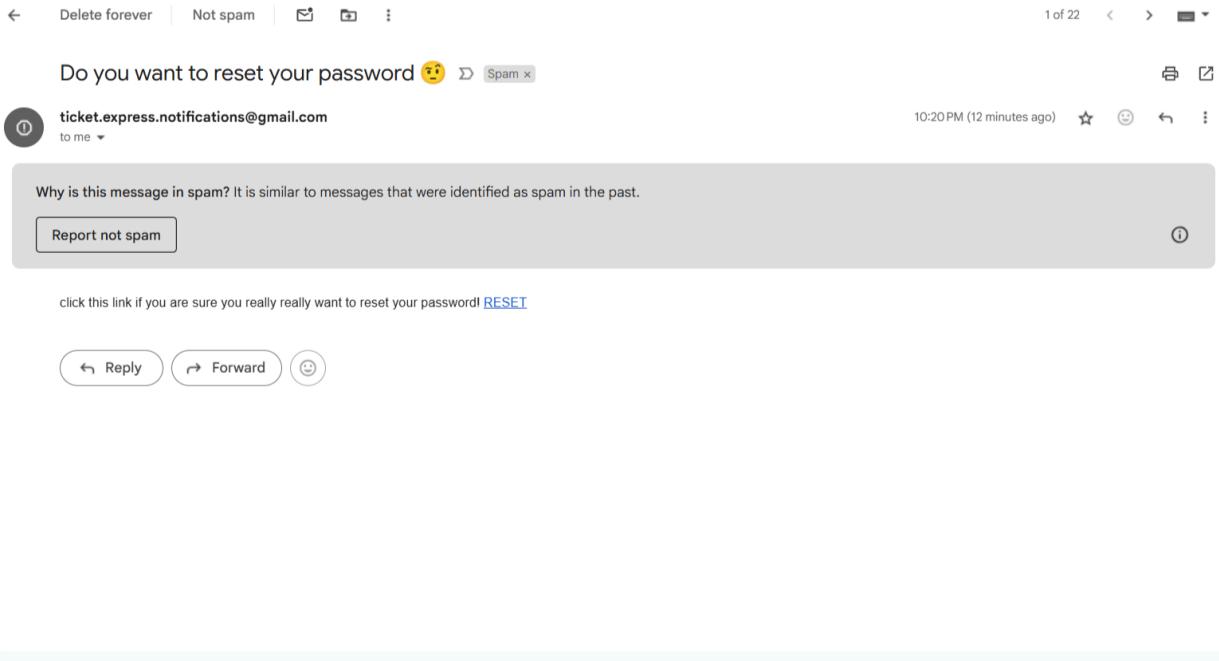
Filtered Search Bar Completely Operational

- Users can now use the Filter Events sidebar to filter events based on their desired criteria

The screenshot shows a web browser with a login dialog box from 'localhost:8080/account/login'. The dialog box is titled 'localhost:8080 says' and asks for an email address to reset the password. Below it is the main 'Login' form with fields for 'Username' and 'Password', and a 'Login' button. There are also links for 'Sign up' and 'Forgot your Password?'. The background shows the 'TICKET EXPRESS' homepage with its navigation menu and footer links.

Reset Password

- Users can now reset their password by sending a password reset request



Email Notification Service

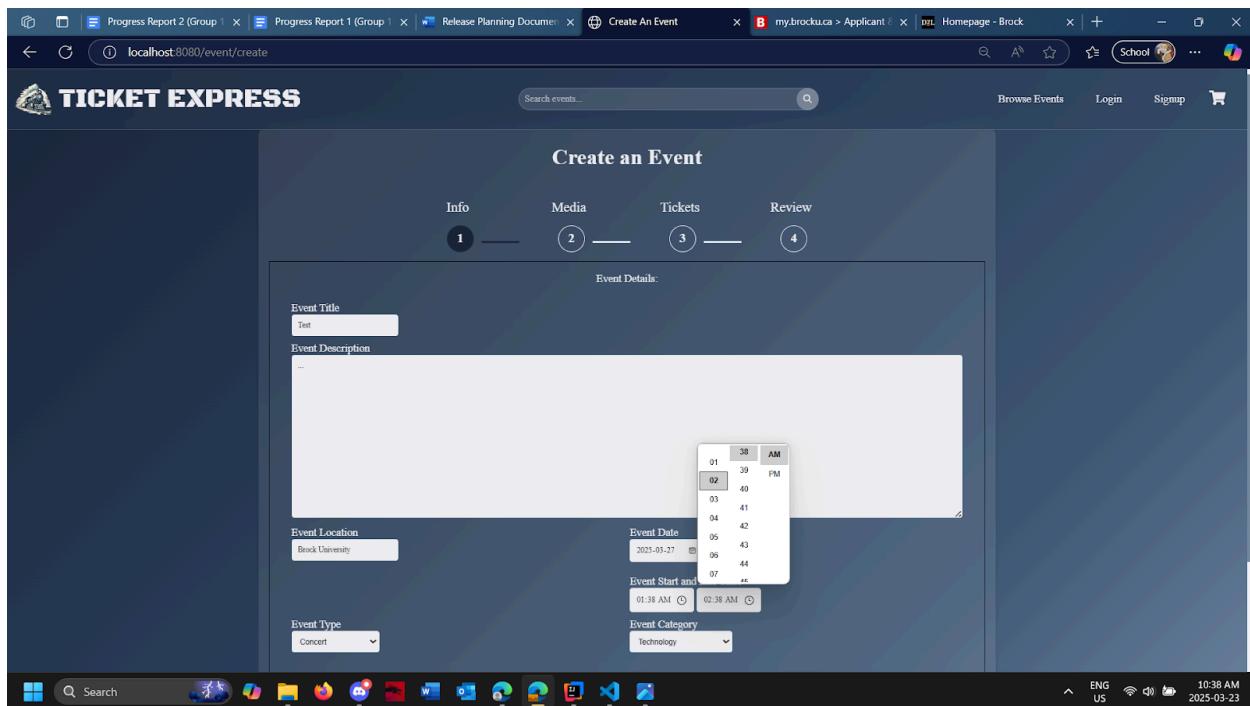
- Email Notifications can be sent to users for password recovery

The screenshot shows a user profile page for 'John Doe' on 'TICKET EXPRESS'. The page includes a placeholder profile picture, a 'Go Pro' button, and contact information: 'Email: johndoe@example.com' and 'Phone: (123) 456-7890'. Navigation tabs at the bottom include 'Events Hosted' (which is active), 'Ticket History', 'Upcoming Events', and 'Drafts'. The browser's address bar shows 'localhost:8080/user/profile?id=24'. The operating system taskbar at the bottom displays various open applications like ChatGPT, Software Service, and a file explorer.

User Profile Page

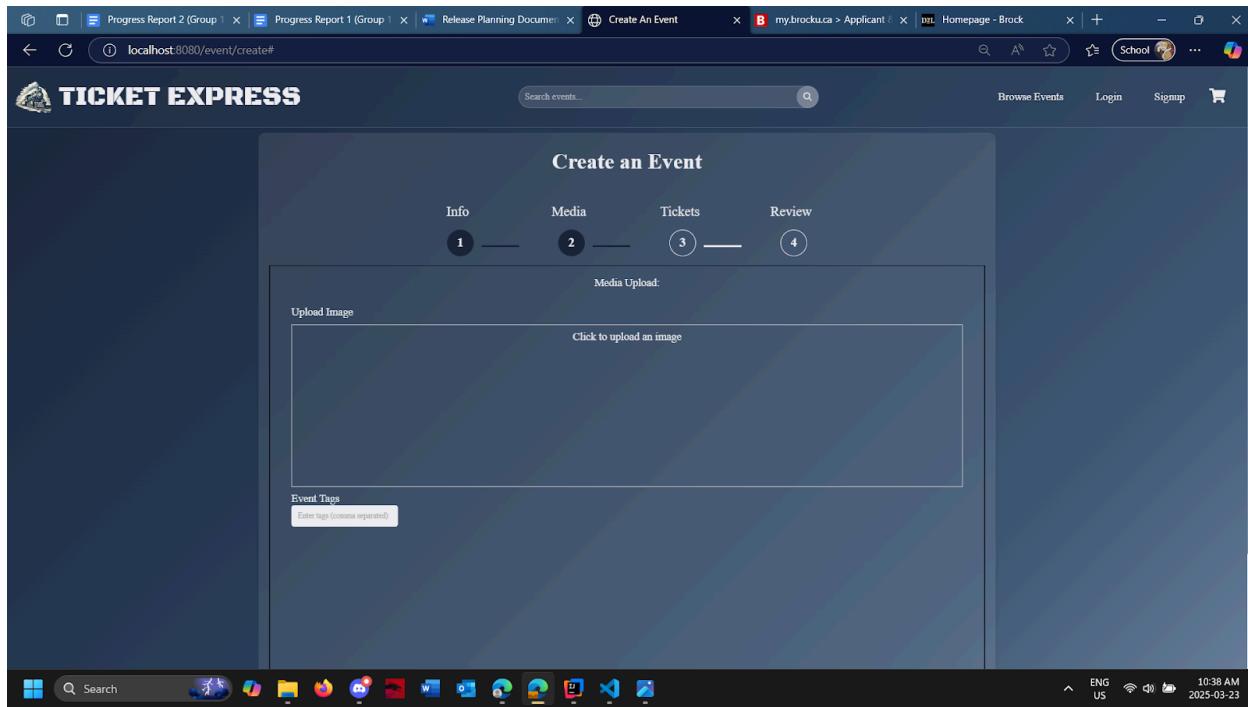
- A profile page is now available to users who are registered with Ticket Express
- A button is available for users to “Go Pro”

- “Go Pro” means become an event organizer, which requires a premium
- Profile offers tabs for
 - Events hosted (inapplicable to standard users)
 - Ticket History
 - Upcoming Events
 - Drafts of Events



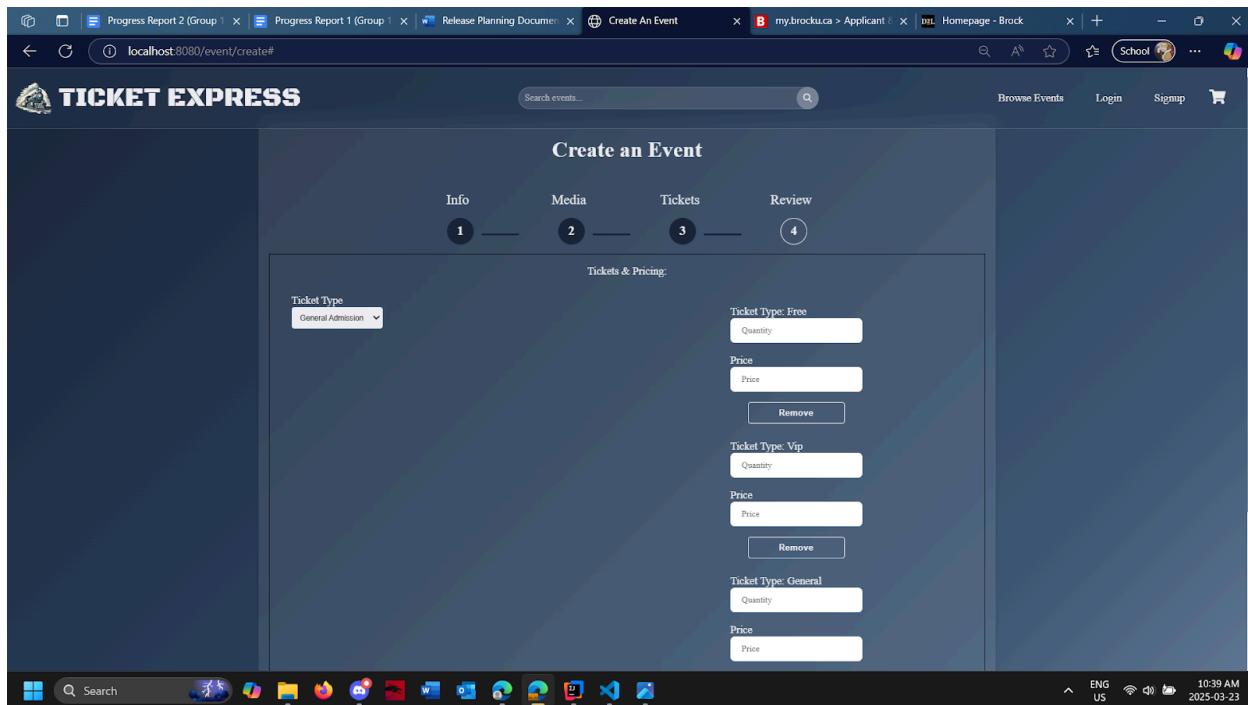
Create Events Page (1)

- The event creation page for organizers now features a multi-step form with options to save as draft or submit the event.
- First part of Event Creation page offers a list of fields for event organizers to complete
 - Title
 - Description
 - Location
 - Type (Concert, Conference, etc.)
 - Date
 - Time
 - Category (Art, Music, etc.)



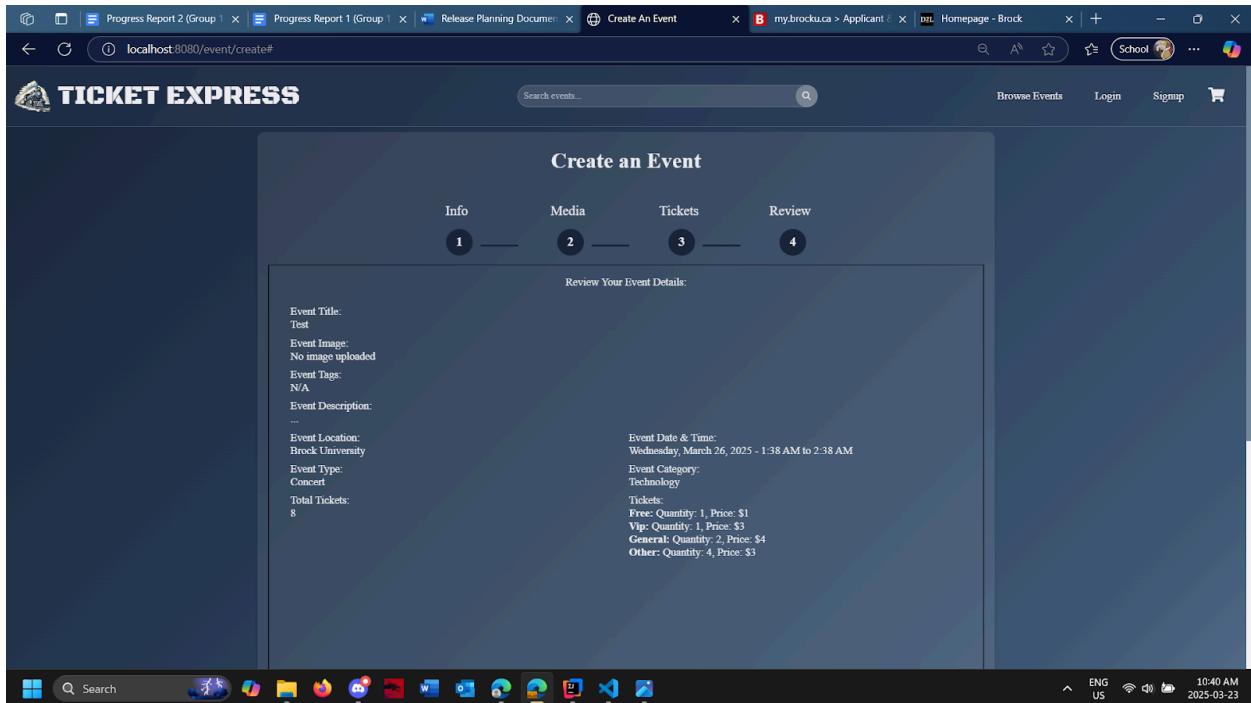
Create Events Page (2)

- Second page for Event creation provides event organizers the option to upload an image for the event
- Also allows the organizer to add tags to make the event easier to search



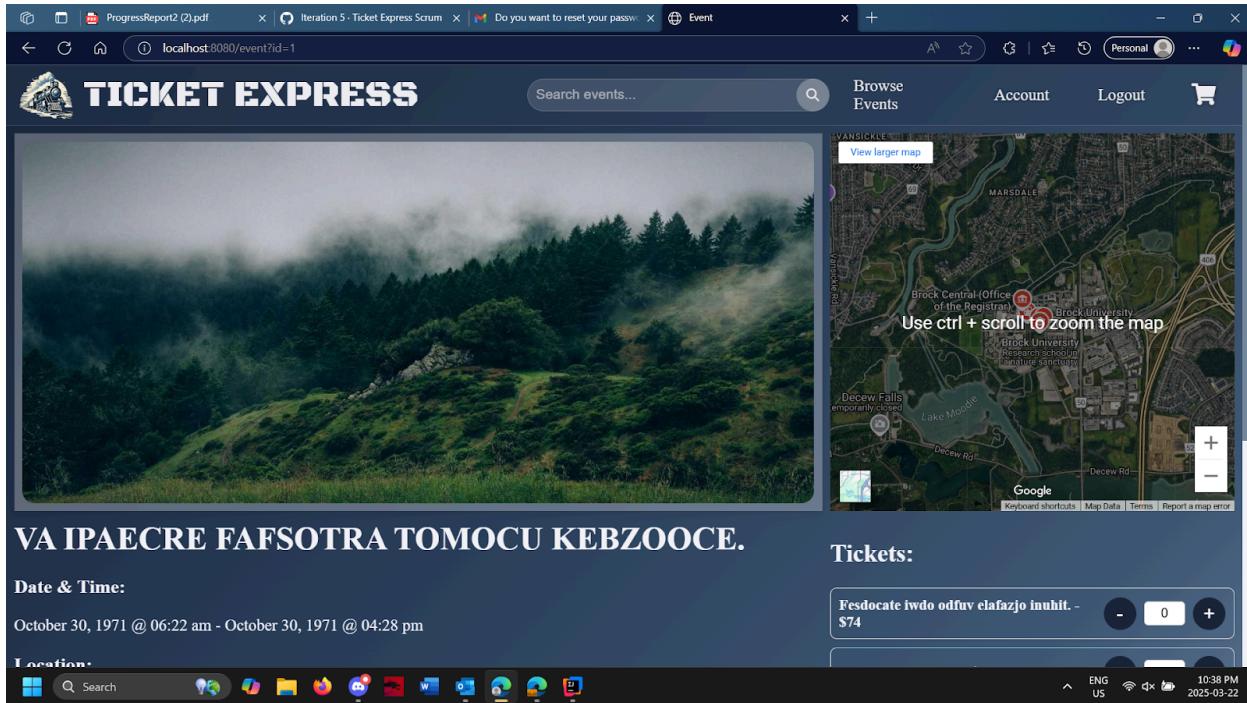
Create Events Page (3)

- After the event fields are filled out and validated, event organizers must specify what types of tickets they will sell
- Types of tickets for an event include
 - Free
 - VIP
 - General Admission
 - Other



Create Events Page (4)

- Before submitting the organizer can review all the information to ensure accuracy



Event Page

- Events now have a dedicated page for users to purchase tickets
- An interactive extension of Google Maps to denote the location
 - Utilization of Google Maps API
- Lists details of
 - Date
 - Time
 - Location
 - Description
 - Organizer Information (which links to profile)
 - Tags
- Numbers of tickets to be purchased togglable

A deployment of Ticket Express can be accessed using the URL :

<https://ticketexpress.tpgc.me/>. A slightly older iteration of Ticket Express is running on the host server, so the following screenshots of additions to the service may appear different than what is available using the URL.

C. Ongoing Tasks

- Event Creation and Management
- Complete implementation of all necessary features
- Detailed UI design

- User Profile Page
- QR Code Scanning
- Search Feature for Users and Organizes
- Responsive design
- Redesigning Footer

D. Upcoming Tasks

- Payment Feature (April 2nd)
- Event Registration and Ticketing (April 2nd)
- Checkout Page (April 2nd)
- Comprehensive Testing (April 2nd)
- Fixing Bugs (April 2nd)
- Revision of Requirements Document (March 25th)
- Admin Account Page (April 9nd)
- User & Organizer Public Profile (April 9nd)
- Mini game while waiting for tickets to be released (April 9nd)

Software Development Process

Iteration 3 (February 13 - February 26)

- Sprint 6 (February 20 - February 26)
 - Scrum Meeting:
 - General discussion of features following meeting with Mr. Yunusov
 - Greater emphasis on front end development going forward
 - Elapsed Time: 1.5 hours
 - Tasks Completed:
 - Reduced overhead for Javascript API
 - Ticket Event Creation API

Iteration 4 (February 27 - March 12)

- Sprint 7 (February 27 - March 5)
 - Scrum Meeting
 - Organizers are no longer a separate entity; organizers are now users distinguished by a flag
 - Filtered Search Bar nearly complete
 - Route testing must be added to unit testing suite
 - **Time Elapsed: 1.5 hours**
 - Tasks Completed:
 - Event Page Completed
 - Event Creation Page
 - Designed Profile Page
 - Browse Events page queries database
- Sprint 8 (March 6th - March 12th)
 - Scrum Meeting:
 - Login and Register are fully complete
 - Landing page and header needs adjustment
 - Agreed upon the addition of a Terms of Service and Privacy Policy
 - **Time Elapsed: 2 hours**
 - Tasks Completed:
 - Updated events to have a category and type
 - Password Reset Functionality
 - Designed Cart Page
 - Email notification service

Iteration 5 (March 13th - March 26th)

- Sprint 9 (March 13th - March 19th)
 - Scrum Meeting
 - Team spent majority of time conversing about the sequence of tasks left to be completed
 - Established the importance of adding realistic events to the database for testing and finalizing design
 - Unit Testing to begin for existing features
 - **Time Elapsed: 1.5 hours**
 - Tasks Completed:
 - Designed Checkout Page
 - User Profile Page
- Sprint 10 (March 20th - March 26th)
 - Scrum Meeting
 - General discussion of features following meeting with Mr. Yunusov
 - Decided upon removing cart in favor of proceeding immediately to checkout when purchasing tickets for an event
 - **Time Elapsed: 1.5 hours**

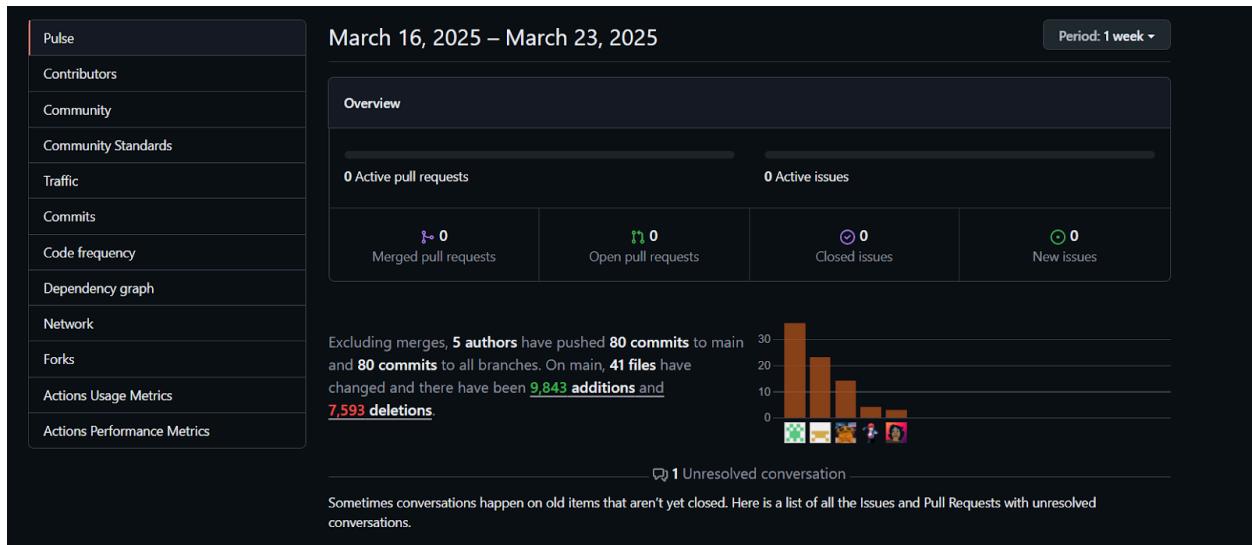
Challenges

A key issue that has arisen at this stage in development is a lack of progress on unit testing. Initially, the goal was to hold off on unit testing until the product was feature-complete. Certain features of the service have taken more time to implement than anticipated, such as event management and payment.

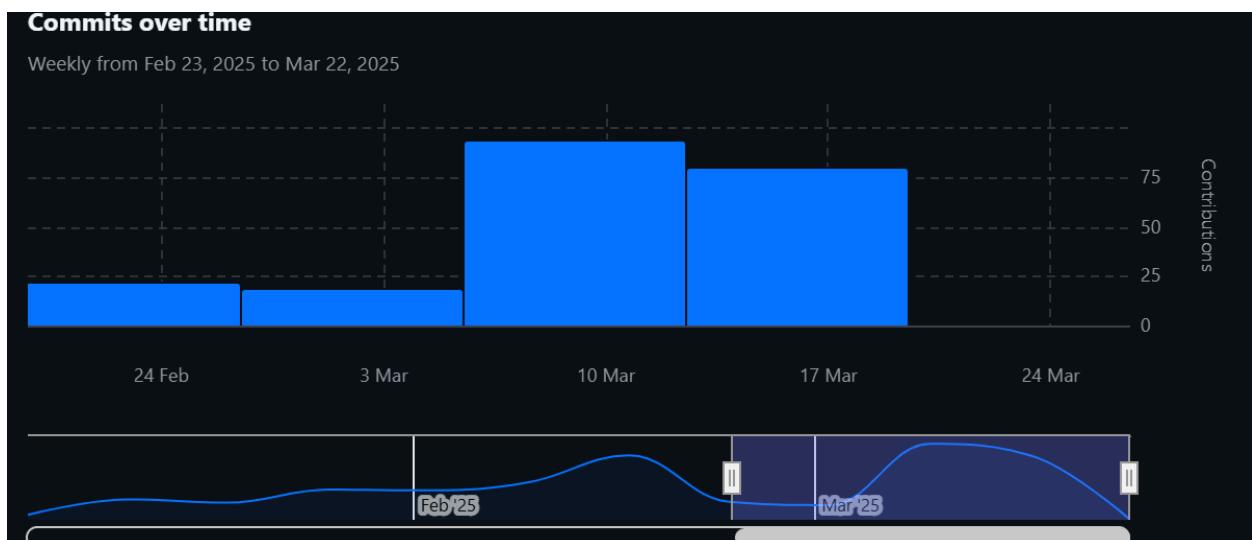
Furthermore, the absence of users and events have interfered with the progress of web development for the service. A solution is creating a predefined list of realistic organizers and events, but various issues have surfaced in accomplishing this task. This issue is the most important thing impeding current development, hence solving the problem is the current greatest priority for the development team. Once a list of predefined organizers and events are added into the system, the front end developers can integrate all the core features together. This is expected to be resolved within the week.

Despite these shortcomings, resolutions will be promptly made. Conditions remain favorable for a feature complete implementation before the final iteration.

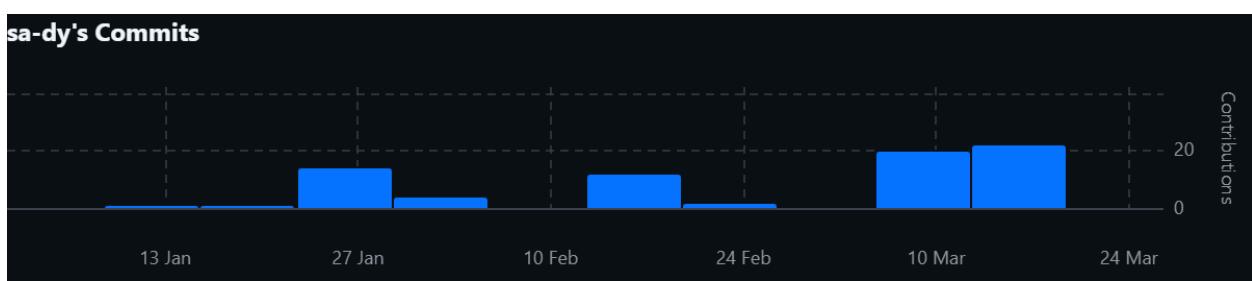
GitHub Contributions:



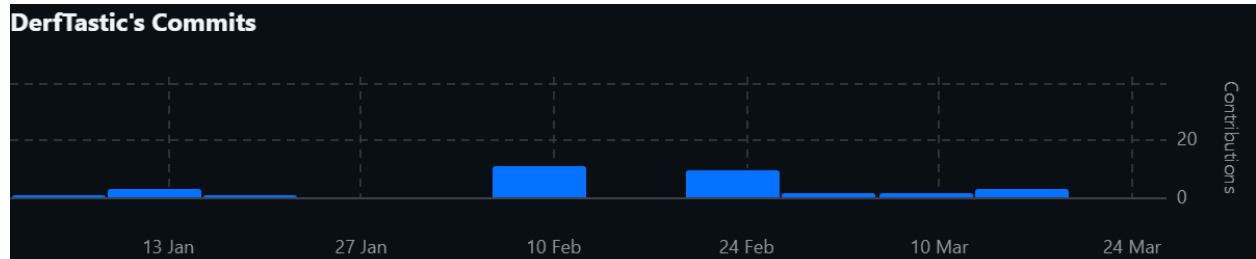
GitHub Pulse



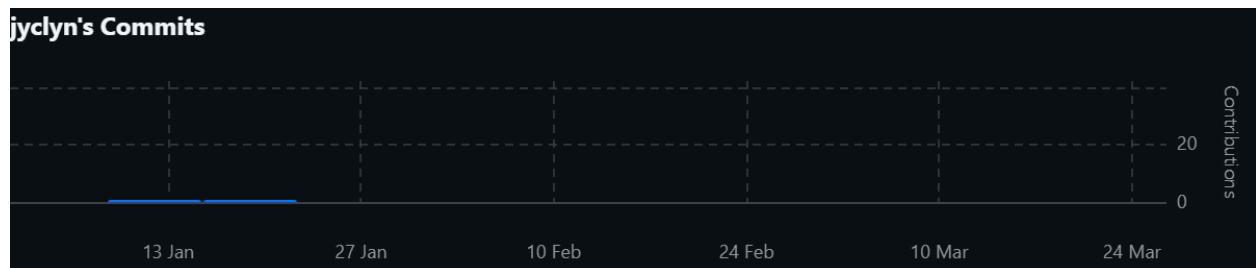
Commits Over Time



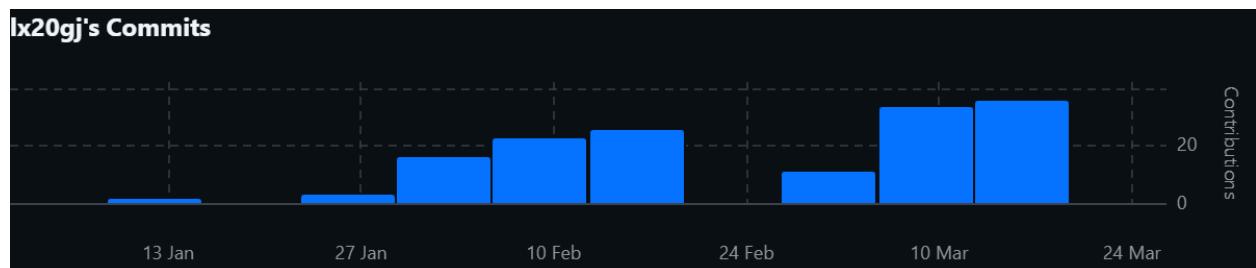
Sinatra's Commit History



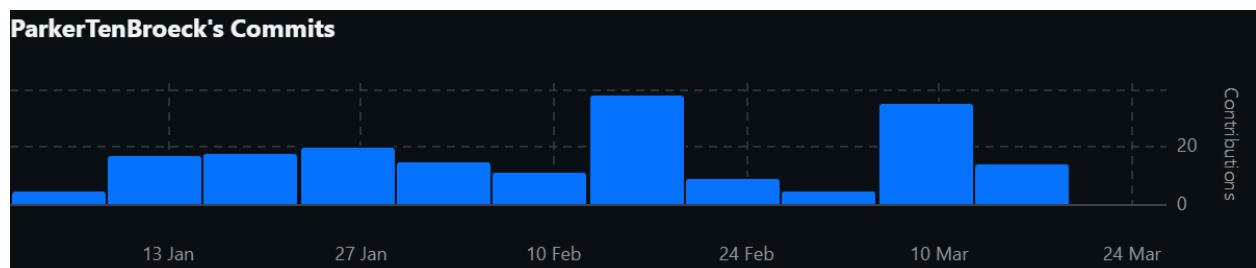
Jacob's Commit History



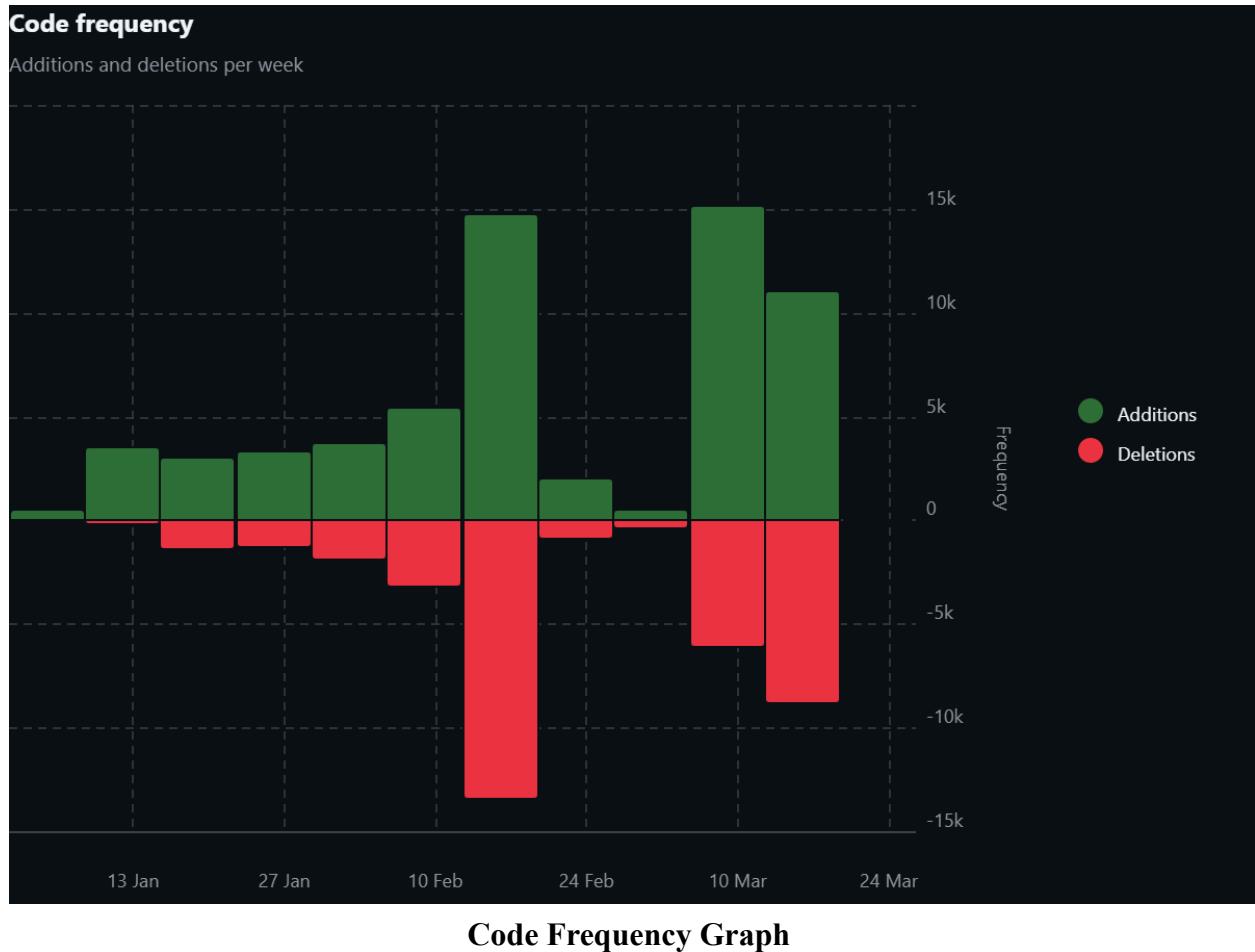
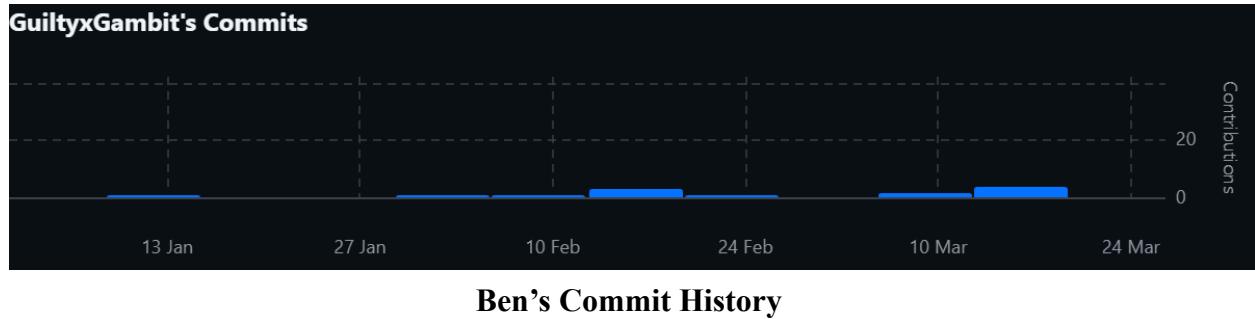
Joycelyn's Commit History



Taylor's Commit History



Parker's Commit History



The screenshot shows the DerFastic project management interface for the 'Ticket Express Scrum' project. The top navigation bar includes links for Product Backlog, Sprint Backlog, Team capacity, User Stories, Roadmap, My items, Iteration 1, Iteration 2, Iteration 3, Iteration 4, Iteration 5, and Iteration 6. A search bar at the top right allows users to type and search for items. Below the navigation, there is a filter bar labeled 'Filter by keyword or by field' with 'Discard' and 'Save' buttons.

The main area displays three columns representing different stages of the backlog:

- Todo:** 14 / 5 Estimate: 0. This item hasn't been started.
 - Draft: Update Requirements Document (High, Iteration 6)
 - COSC_4P02 #17: Expose ticket verification API endpoint (High, M, Iteration 5, System Admin, Feature)
 - Draft: Comprehensive Unit Testing (High, Iteration 6)
 - Draft: Fix Identified Bugs
- In Progress:** 12 / 5 Estimate: 0. This item is actively being worked on.
 - COSC_4P02 #32: Documentation (High, XL, Iteration 6, System Admin)
 - COSC_4P02 #39: Create sample events (High, Iteration 5)
 - Draft: Add the ability to search users/organizers (High, M, Iteration 5, System Admin, Feature)
- Done:** 33 Estimate: 0. This has been completed.
 - Draft: Filtered search bar (just need to connect now) (High, L, Iteration 5, Attendee, Feature)
 - COSC_4P02 #14: Create Browse Events Page (High, Iteration 2)
 - COSC_4P02 #3: Design and implement database structure (High, L, Iteration 1, System Admin, Feature)

At the bottom of each column, there is a '+ Add item' button.

Current Backlog

Team Contributions

1. Sinatra Almeida (7060049)
 - Created multi-step form for event creation
 - Designed and created Event Page
 - Patched front-end bugs
 - Refactored code for the front-end
 - Enhanced front-end design
 - Implemented responsive design for mobiles and tablets
 - Created Password Reset Page
 - Revised Progress Report
2. Jacob Applebaum (7215031)
 - Created script for generating events
 - Assisted in writing the Progress Report
 - Looked into JUnit Testing
 - Oversees Scrum Meetings as the Team Leader
3. Joycelyn Chan (7239486)
 - Designed Rough Draft and Prototype for Profile Page
 - Designed Rough Draft for Cart Page
 - Designed Rough Draft and Prototype for Checkout Page
 - Redesigning Footer
 - Illustrated Page prototypes using Figma
 - Revised Progress Report
4. Taylor Chapman (7178577)
 - Introduced Profile Page
 - Created User Event List
 - Connected filter on the Browse Events Page
 - Assisted in writing the Progress Report
5. Parker TenBroeck (7376726)
 - Created Ticket Editing API
 - Refactored Backend
 - Added Ticket Editing API
 - Implemented and Exposed Event API
 - Implementing Payment Features
 - Connected frontend & backend for Landing Page
 - Connected frontend & backend for Browse Events Page

6. Benjamin Williams (6953954)
 - Continued Documentation
 - Progress Reports Author
 - Technical Manual Author
 - Documentation of Scrum Meetings
 - Author of Terms of Service and Privacy Policy