

Progress Report

- Increment 3 -

Group #1

1) Team Members

- Andrew Augustine - aea19h - Azure-Agst
- Cole Warren - cew19j - ColeWarren
- Dawson Stoller - dhs19b- stollerdaws
- Tristan Morris - tbm19a - nachonocheese
- Anthony Ingle - asi20 - ingleanthony

2) Project Title and Description

Lottopool:

Our project is a web hosted interface where clients can come to the site, purchase a lottery ticket which enrolls them into a given lottery pool, the idea being that if any member of a given pool wins the jackpot, those winnings would be distributed amongst everyone in the pool. Players will be able to purchase many tickets within one pool or purchase tickets among many pools and players will be paid out proportional to the number of tickets they purchased. This project will use python to serve the backend databases and is using solidjs to structure the frontend.

3) Accomplishments and overall project status during this increment

During this increment, the project made significant progress, with several key accomplishments contributing to its overall status:

- Authentication and admin recognition enhancements were implemented, improving the security and user management aspects of the website.
- The database initialization process was streamlined, enabling a smooth first-run experience.
- Object representations of database tables were added, promoting better code organization and maintainability.
- Backend documentation was generated using Sphinx, which will facilitate future development and collaboration.
- An improved backend testing environment was established by using a temporary MariaDB instance.
- Several public and protected endpoints were added, enhancing the website's functionality according to the requirements.
- Stripe integration for payment processing was achieved through the implementation of Webhook and Checkout ID.
- The lottery ticket data structure was updated to better suit the website's requirements.
- All of the front end was finished this iteration.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Lots and lots of scope creep. We were behind schedule because of the events that happened in March, so we had to crunch a lot for this increment. This resulted in lots of optional features getting cut from the final submission. Despite the crunch, Anthony made sure that everything in the frontend looked nice, rather than using non-stylized html forms.

5) Team Member Contribution for this increment

- Andrew Augustine
 - (a) Contributed to sections 4, 5
 - (b) Updated all of the diagrams
 - (c) Contributed to sections 3, 4, 5
 - (d) Implemented most of the backend endpoints for use by the frontend
 - (e) Every group member participated equally in the video explaining the workings of the project, and what each person contributed to the project.
- Anthony Ingle
 - (a) Contributed to section 3
 - (b) Contributed to sections 2, 6
 - (c) Contributed to sections 1, 2, 3
 - (d) Contributed to all pages and components and established structure for frontend. Connected the backend api to the frontend and displayed everything in a visually appealing manner. Helped quality assurance with testing, linting and formatting.
 - (e) Every group member participated equally in the video explaining the workings of the project, and what each person contributed to the project.
- Tristan Morris
 - (a) Contributed to Section 5
 - (b) Contributed to Section 1
 - (c) Contributed to section 6
 - (d) Helped setup webhook and using endpoints created by Andrew to send the tickets with data for unpaid and paid.
 - (e) Every group member participated equally in the video explaining the workings of the project, and what each person contributed to the project.
- Dawson Stoller
 - (a) Contributed to sections 1, 2, 5
 - (b) Contributed to sections 1, 6
 - (c) Contributed to sections 1, 2, 3, 4
 - (d) Helped to implement the models to serve as object representation of database tables, wrote admin endpoints to allow admins to access and modify information about tickets and pools such as adding a pool or marking a ticket as won or lost.
 - (e) Every group member participated equally in the video explaining the workings of the project, and what each person contributed to the project.
- Cole Warren
 - (a) Contributed to section 3
 - (b) Contributed to section 3
 - (c) Contributed to section 5
 - (d) Cole added admin authentication and error handling for Auth0. Also added Footer, How It Works page, and About Us Page to the frontend.
 - (e) Every group member participated equally in the video explaining the workings of the project, and what each person contributed to the project.

6) Link to video

https://drive.google.com/file/d/1FDake5M39HMKNFq55k9gHDJpcru8qSDr/view?usp=share_link