

# Queens Gambit Chess Institute

## Executive Summary

### **Community Partner**

Ashley Lynn Priore

### **Student Consulting Team**

Guanjie Cheng

Minjoo Kim

Hanah Ryu

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## **Background**

Queens Gambit is a non-profit organization founded in 2014 by Ashley Lynn Priore with a mission to empower youth (K-12) in low-income communities through chess. The organization reaches over 10 partner sites in Pittsburgh with 6 instructors, offering after-school chess clubs and tournaments. Queens Gambit's mission statement is, *"We elevate a new generation of strategic, inclusive, and civically-minded leaders through the power chess."*

## **Project Description**

### **Project Opportunity**

Queens Gambit works with numerous partner sites that each require tracking and organization of various documents, such as a Memorandum of Understanding (MOU) and instructor clearance forms. The tracking and management of these documents is critical for the organization to be able to host their classes at these partner locations with their current set of instructors. Currently, information on partners and instructors are stored on both Google Sheets and Oodoo, another management platform used specifically to store files. Previous 67-373 Teams have built a custom platform and an application on Heroku, but Queens Gambit eventually returned to Google Sheets due to being unable to upload files and expiration of a free trial. The use of various platforms has highlighted a need for a centralized and integrated relationship management solution.

### **Project Vision**

The proposed solution for Queens Gambit's relationship management system focuses on centralizing data, enhancing document access, and improving partnership management efficiency. The management system hosted on Airtable offers both the necessary functionality and flexibility without requiring technical expertise to master.

## **Project Outcomes**

The team has designed and developed an Airtable Base to serve as Queens Gambit's new database. Queens Gambit can now use this database to manage partnership, organization,

instructors, and application information all in one place. Using this Airtable also allows Queens Gambit a more efficient management process of critical data needed for their operations through automation of previously manual tasks.

## **Project Deliverables**

Project deliverables are contained in one Google Drive that contains the link and access to the Airtable base, and the documentation for the system.

## **Recommendations**

The team's recommendation for Queens Gambit is to fully transition to Airtable as their primary database, starting with migrating all the season's data and application forms to Airtable. This transition is expected to initially be challenging, but will lead to easier data management and operational efficiency over time. By being able to process applications faster and have easier access to partner information, Queens Gambit will be able to foster stronger relationships with partners in Pittsburgh, effectively furthering the mission of Queens Gambit. Future enhancements could involve scripting for automated data transfers and dynamic automations for sending out emails and documents upon new partnerships, leveraging Airtable's advanced features.

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## **Student Consulting Team**

**Guanjie Cheng** served as the technical lead, and is a third year student studying Information Systems, Human Computer Interaction and Computer Science, with career interests in Software Engineering.

**Minjoo Kim** served as the quality assurance lead, and is a third year student studying Information Systems and Statistics with interests in working in software and data management in the future.

**Hanah Ryu** served as the project manager, and is a third year student studying Information Systems and Business Administration with career interests in project management and software in the future.