



Bay Area Chess
Quality You Can Check On!

Project Technical Recommendations

Pawns — Dan Zhang, Oren Bukspan, Carlos Reyes, Tze Kang Ng

Value of the Application

From the client's perspective, the application will provide users with easy access to commonly used features of the Bay Area Chess website. The client had noted that the existing website is not user-friendly when viewed in a mobile browser, so an application would allow users to more conveniently engage with the non-profit. Using push notifications, the app would improve upon the website's current capabilities by notifying users about tournament registration and tournament results as soon as they are published. Accordingly, users would benefit by avoiding the fees associated with late registration and not having to continually check the website for updated results.

Technologies

The client was keen on having an iOS application developed for this organization due to the fact that 73% of their user base used iOS, thus it seemed clear to both our team and the client that the best option would be to develop this application for the iOS platform, primarily targeting iPhone users. The client also noted that the pre-existing database is a MySQL database, therefore we will be interacting with the pre-existing database to obtain all of the necessary information for this application. Another consideration that our team had to discuss was the programming language to use within the iOS environment. Due to the fact that Apple recently released a new programming language "Swift" which touts better performance metrics than Objective-C (the language previously used to develop iOS apps) as well as more developer-friendly syntax. We determined that Swift will allow our team to more quickly develop a better application. We also acknowledge that Swift is a new language with less documentation than Objective-C, but have decided to use it regardless.

The App

The client already has a pre-existing website/organization called Bay Area Chess, so it makes sense for us to maintain the brand, and develop the app as Bay Area Chess as well.

Team Roles

Project Manager & Team Lead - Dan
Business Analyst - Oren
Technical Lead - Carlos
Quality Assurance (Test) Lead - Tze Kang