



CASE STUDY: Women's Pro Rodeo Association (WPRA)

Cost-Effective Cloud-Based Membership Portal

Overview

Rodeo is a refined talent. Professional and amateur riders alike have to stay updated on different rodeo fees, rodeo news and locations of events. Our client was looking for a secure, functional membership portal application that would eliminate other channels of receiving data from being needed like physical mail or phone. For this project, we implemented a custom portal for our client's members that provides information on their members membership status, fines, fees, and account balance. Users will have easy access to the application, be able to renew memberships, pay for fees, review their account balances and search for rodeo seasons by state and year. The application was designed with all device types in mind.



The Challenge

Having a fixed budget and trying to meet the needs of the client while also respecting the budget was challenging. Budget is always a constraint with every project, and this project was no exception. We maximized the client's budget and still provided great results. The client also had limited time available to devote to this high priority project. We maximized every opportunity when speaking with the client. Even with limited conversation we were able to create a web application that met our client's needs and provided them with real solutions.

The Approach

We knew the client needed a reliable web application that was easy to use and could save their staff time. A design and function review meeting with our client, designer, and dev team was held to determine our client's current business process, and how we can automate their business process with software. We used Angular, a JavaScript platform that uses a single framework for the front end to create single page applications. This allowed us to reach the requirements, and the needs and wants of the client from a visual and functional perspective. The portal made for the client is a Single Page Application (SPA) with simple navigation but also is very straightforward and uses easily identifiable tabs to make the users' experience that much better. .NET Core was also used for a cross platform back-end framework that can be run on any major server OS (Windows, Linux, and Mac). Using .NET Core, we chose Linux, as the operating system, which greatly reduced the hosting costs. MySQL was used for the backend database of the system. MySQL, a database management system, gave the client's web application higher performance, higher security and lower costs. Plus, we could integrate with their existing systems at the database level, providing the client a seamless experience.



The Solution

The Front Range Systems team effectively created a secure membership portal for the staff and members of our client. The team built a functional application that solved our client's issues in their organization with real time results. We helped them create something very specific for what they needed. With our implementation of custom software, our client is able to have easy access to the application from any device, member analytics stay updated and employee workload has decreased substantially.

Among the benefits of using .NetCore and MySQL, our client noted

- Effective membership management.
- Easy access to information.
- Saving time.
- Seamless transition to the cloud.

Reach out to our team of experts to start the conversation for your next project.

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