

RDANZI Web & App System

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Client: Michele Liddicoat (RDANZI)



INTRODUCTION

Roller Derby Association of New Zealand Incorporated (RDANZI), is the organisation responsible for organizing Roller Derby events throughout New Zealand. The goal of this project is to create a Web-based application for Event Booking System that allows users to assign, create and manage Roller Derby Events, Rosters of volunteers for the events, and User Game Histories..

Currently, there is no booking or roster system for RDANZI, and volunteers are organized by word of mouth and private message groups. Genius CPU'S have set out to create a fix for this problem.

DEVELOPMENT

Within the development phase, Genius CPU's have used the Kanban methodology, this includes the use of a 'Kanban Board' from JIRA software to track tasks, scope, and requirements dynamically throughout the project with the goal of staying on track with the estimates set out in the Gantt Chart created at the start of the project.

We have used Visual Studio to develop the Application for our client using the ASP.NET MVC framework. To create the backend (or inner functionalities of the application), we have chosen to use C#, HTML, jQuery, JavaScript, SQL Server, and CSS for all the development.

We also tested the Web Application to ensure that it can support multiple users at once as demonstrated

by stress test cases, this will ensure the steadiness of the application. As well as this many other manual and unit tests were carried out on the application to demonstrate the functionalities that have been fulfilled, this ensures the user's requests are processed safely through the network and created as per the Client's requirements.

Along with this, we have held regular meetings with the Client to discuss the scope and requirements needed for the application. This included regular demonstrations to the client as the application was developed.

CONCLUSION

The project is working, and most of the requirements have been met, we have also produced an application summary document that describes the current state of the application, what functionalities were and weren't met, as well as problems we encountered during development and advice on where to start for any project team that decides to take this project on in the future for further development.

As requested by the Client the features and functionality are user-friendly and provides the requirements for all volunteers to create and manage events and their rosters, as well as keep track of the history of the games that users have volunteered at. As well as the basic user functionalities we have achieved a good amount of Administrator functionalities that will give them more control over the application and the database.