

Western Pennsylvania Bible Quizzing

Executive Summary

Community Partner

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Project Description

Project Opportunity

The main concern that Western Pennsylvania Bible Quizzing faced was the issue of sustainability over time. The first issue of sustainability was through the organization's technological platforms. The original Quiz Generator application ran on an outdated software that could cause future unsolvable issues and bugs as dependencies become deprecated. The second issue of sustainability was through student engagement. The popularity of Bible quizzing has been decreasing in the past few years, meaning that less students are getting exposure to the study of Scripture. Solving this issue would help Bible Quizzing expand so that more children are able to partake in this program. Since a large part of Bible quizzing also involves team building and unity, it is important to help Bible Quizzing to grow their vibrant community.

Project Vision

The proposed solution consisted of three main parts. The first and most essential part of the plan was to update the Quiz Generator application to the latest version of Rails. Additionally, interactions in the interface needed to be implemented since some were originally missing, requiring the developer to directly interact with the database console to execute those specific functionalities. Following this portion of the project, the next planned aspect of the project was to create an API for the Quiz Generator, which would allow for users to create quizzes with questions without having to interact with the interface. The final part of the plan was a central website for all the information pertinent to users, as WPA Bible Quizzing did not have such a website. Integrating the API with this site would allow quizzers to create practice quizzes without needing to interact with the interface. The primary stakeholders for this project would be Tim, Prof H, and the rest of the leadership board that manages Western PA, along with the coaches, quizzers, and churches who participate in the program. The value of the solution is that it would greatly improve the sustainability of the organization, improving the ease of maintenance and accessibility through the Quiz Generator and API, and accessibility of information to all users through the central site.

Project Outcomes

The completed outcomes consist of the Quiz Generator application, Quiz Generator API, and central website. The focus of the first portion of the project was to update the software and syntax of the original Quiz Generator application used by the organization, in addition to adding some

