Project Proposal: Sports Source Web Application

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Overview

Sports Source is a non-profit organization that gives parents the opportunity to volunteer at local sports and music venues to earn scholarships for their children's sports fees. Sports Source primarily relies on Facebook for communication. This can be challenging for busy parents or individuals unfamiliar with the platform. Another issue admins face is that member information and training data are tracked manually. Creating an application to support administrative functions will provide great value to the organization. Business logic will include monitoring volunteer eligibility based on training requirements, analytics for training data, and the ability to report missing or overdue training.

Problem Description

Sports Sources' current practices are inefficient. The current processes are causing communication gaps, lost documentation, and errors. These problems waste the time of the admins, who are also volunteers.

User Personas

The primary users of the application include parents busy with full-time jobs and kids' sports schedules, struggling to balance the responsibilities of Sports Source and their own families.

Value of Solving the Problem

The application will significantly reduce administrative workload by automating manual processes. Not only will this reduce documentation errors, but it will save countless hours for busy parents, making it invaluable.

User Interaction

User interaction will include the basic group members and admins. Group members will have the ability to read data. Administrators will have the ability to read and write data. A reports dashboard will quickly provide the user with analytics, training status, and eligibility to volunteer.

Minimum Viable Product (MVP)

Features Required for User Problem Solving

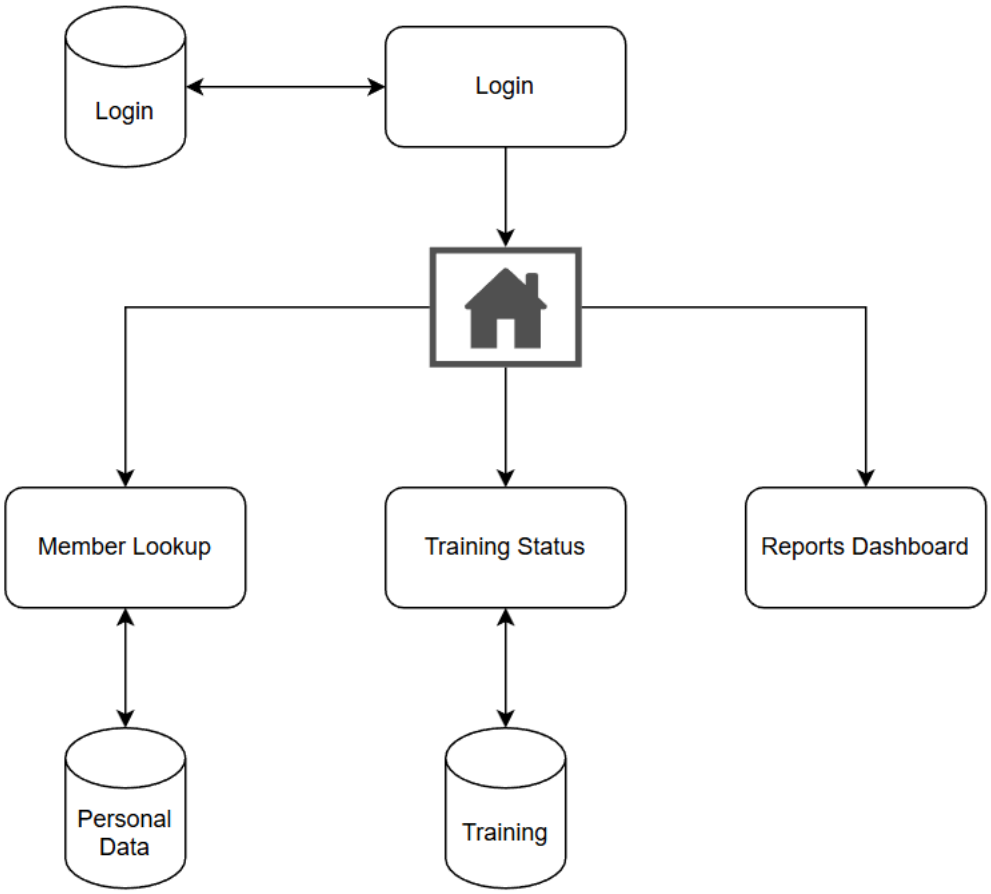
High-Level Architecture

The application will be built using Python for the backend, Shiny for Python for the frontend, and PostgreSQL for data management. This architecture allows for efficient data handling and user interaction, making it scalable and responsive.

Data Management

The data will be structured to include the following:

- **Member Profiles**: Name, contact information, and emergency contact.
- **Training Records**: Dates, types of training, completion status (missing/overdue).
- **Admin Reports**: Generated summaries of member eligibility and training tracking.



Conclusion

This proposal outlines the development of a Sports Source web application that addresses significant challenges group admins face. Utilizing technology can reduce manual processes, improve communication, and ultimately enhance the experience for volunteers and the families they support. I am looking forward to helping fellow busy sports families with this application.