Amar Uprety

System Analysis and Design

Project Assignment 2

**Problem Description**

Intramurals(IMs) have been an integral part of Graceland Experience. Every year many sports are organized by IM boards but the tracking of information has been done manually. It is important for IM board member and rep to easily track information of attendance, scores, teams and games organized during the year. Also, the stakeholders can easily see what is happening in IMs in each day and plan their day accordingly.

Even though there is a system already, it is still work in progress. It is recommended that a new system be deployed so that the IMs can communicate most rapidly with their stakeholders along with each other. The system should be easily accessible and easy to use.

Right now, the system is built with Angular JS which is not taught at Graceland University. The site can be easily maintained by ongoing Graceland CSIT student if HTML, CSS, JavaScript and PHP are used to develop the website rather than Angular JS. The problem existing on the current site can be fixed with the new site.

**System Capabilities**

* Track attendance of students in each event.
* Set up teams according to the houses and set up games accordingly.
* Collect and store scores of each game.
* Store the date and time information for each game.
* Easy access for IMs board members and representative as well as stakeholders.
* Accessible from any device.

**Business Benefits**

* Increased timely communication between the IM reps and its stakeholders.
* Maintain correct and current information on all the events organized.
* Easily accessible.
* Easy to use and maintain records.

People working on your project and their responsibilities.

1. IM Representatives: Create games, track and maintain information on games created. Owners, Analyst.
2. Student of Graceland University: look for scores, next games and their participation on games organized by IMs. Users
3. Faculty of Graceland: look for their games or just browse to see what is happening. Users
4. Alumni/ Parents of students: see what is happening in IMs. Users
5. CSIT students: Builder of the product and maintenance work. Also, a student of Graceland University.

**Work Breakdown Structure**

**Planning**

* Conduct meetings with IM board members and representative on what they want on the new IM website.
* Determine use cases for the site.
* Interpret the IM board needs into technical specs for the project
* Determine the programming language and structure to be used for the development.
* Research and surveys to figure out the stakeholder’s needs and demands.

**Analysis**

* System Requirements
* Cost benefit analysis
* Technical analysis
* Feasibility analysis