lkkkSoftware Project Management Plan

**Title:** School/Parks and Recreation Rental and Ticket Sales Website

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**Revision Sheet:** Version 1.0 (Still in progress)

**Scope:** Allow Places of interest to set up events for sale, and allow customers to buy/rent these places of interest

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**Introduction:**

**1.1 Project Overview:**

The Website offers three main users to log in and to access the website in different ways. First, are the venues that organizations would like to put on the website for the ability to have their resources rented out or to sell tickets for certain events. Second, are the customers who are looking to rent out the entire venue. These users would log in and choose the option to rent their venues for a price and would then have access to that place for the time slot given on venues page. Last, are the customers who are buying tickets to the events that will take place at these venues. These customers would log on and choose the venues in which they choose to visit and the events that will take place there. Then, they would select buy tickets to buy the amount of tickets that they would like to purchase.

**1.2 Project Deliverables:**

* Project Description
* Requirements
* Use Cases & Sequence Diagrams
* High Language Architecture & Class Diagram
* Software Project Management plan
* Prototype of Website
* Revised Copies of Website
* Finished Copy of Website

**1.3 Evolution of the SPMP:**

The website will be completed by following a strict schedule of turning in documents every week that will help with the website building process. Then, the group will use the repository website “github” and it’s resources to assist in version control. The group will also meet multiple times a week to discuss where they are in the process of website creation to make sure everyone is on the same page.

**1.4 Reference Materials:**

* Requirements
* Use Cases & Sequence Diagrams
* High Language Architecture & Class Diagram
* Software Project Management plan

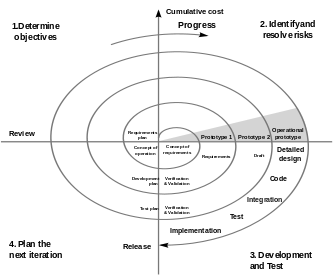
**1.5 Definitions of Acronyms:**

* HLA – High Language Architecture
* SPMP – Software Project Management Plan
* CM – Configuration Management
* CI – Continuous Integration
* SVN – Subversion
* Repo – Repository

**Project Organization:**

**2.1 Process Model**

Spiral Process Model



As the project progresses we continue to branch out and create working prototypes that can be tested.

**2.2 Organizational Structure**

**2.3 Organizational Interfaces**

Relations

* GitHub third party source for repository
  + Helpful for keeping code together and structuring
* Website Hosting services

**2.4 Project Responsibilities**

Database – Kelly, Josh, Micheal

User Interface – Josh

Customer Interactions – Kyle

Social Media – Sheila, Chau

**Managerial Process**

**3.1 Management Objectives and Priorities**

Each member of the group has control over their specified piece of the project. Each member is working on a different piece of the website based of their strengths. The priorities is to make a website that is easy to maneuver for the client and easy to manipulate for the teams so it can be fixed easily if needed.

**3.2 Assumptions, Dependencies, and Constraints**

* Time management between group members
* Team Meetings
* Due date May 18th
* Making sure all software works on every team members systems

**3.3 Risk management**

* Complexity
  + The user needs to be able to use the website without asking questions
  + The website needs to be coded so that every team member understands what is happening
* Client Acceptance
  + If client does not like the product we have to go to other prototypes created in the repository
* Size of Project
  + Enough space needs to be allocated for the database

**3.4 Staffing Plan**

* 7 Group Members
* Database Team
  + Kelly
  + Josh
  + Micheal
* Website design team
  + Sheila
  + Chau
  + Nathan
  + Kyle

**Technical Process**

**4.1 Methods, Tools, and Techniques**

Tools

* Github
* Amazon Web Service
* SQL

**4.2 Software Documentation**

Software documentation will be managed using the repository GitHub. This repository allows us to add bits of finished code and will place the date added as well. This will help us document when the code was finished and how long it has been since it has been updated.

**4.3 Project Support Functions**

* The project will be consistently tested to ensure quality assurance.
* Verification and Validation will be handled in group meetings.
* Updates will be handled and implemented through the repository.

**Description of Work Packages:**

Work Breakdown Structure (WBS)