Website for School Facility Usage Requirements Document

**(Group 4 – This template was taken from the article at** [**https://www.scalablepath.com/blog/how-to-write-a-simple-yet-effective-requirements-document/**](https://www.scalablepath.com/blog/how-to-write-a-simple-yet-effective-requirements-document/)**)**

Goals and Context

**What is the goal?**

The goal of this project is to create a website that allows high schools to rent out their unused facilities.

**What problem does this project solve?**

Throughout the school year, many of these facilities go unused outside of standard school hours. By utilizing these unused facilities, high schools are able to maximize the revenue generated from their resources.

**What is the vision?**

Creating a website for schools to advertise their unused facilities allows them to generate extra revenue for themselves. In addition, they can offer registration for the events and accept online donations. The DOE has recognized that schools are not using social media to its full potential. This website will incorporate social media by allowing schools to promote specific events or facilities and by displaying social media “mentions.”

User Personas

The following are fictitious key personas that will use the school facility usage website.

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| --- | --- |
| **User Type** | Website User (External) |
| **Occupation** | Principle of School / School Administrator / Coordinator |
| **Objective** | The school administrator has a variety of unused facilities at their school. They want to be able to log into the website and easily register their unused facility. If a facility is scheduled for an event, they want to be able to promote this event on social media and sell tickets for it. They also need to approve or deny facility usage requests. |

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| **User Type** | Website User (External) |
| **Occupation** | Client |
| **Objective** | The client is interested in having an event at the high school nearby. They want to be able to use a search feature to find out what kind of facilities are available and other related details such as size, cost, etc. They should also be able to select a specific location. |

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| **User Type** | Website User (External) |
| **Occupation** | General Public / Students |
| **Objective** | The general public wants to be able to view available facilities and scheduled events at schools around their designated location. They might want to request these facilities to host an event, buy tickets to an event through the website, or donate money to a specific school. |

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| **User Type** | Website User (Internal) |
| **Occupation** | Site Admin |
| **Objective** | The site admin is the person hired by the DOE to maintain the site. Their job is to handle any user issues and ensure the website is working properly. |

User Stories

The following are things the system should achieve based on requests from the website user and Admin. user.

**Website User**

1. The system shall provide end users the capability to search for available facilities to rent near them or at a particular school. It should allow them to filter search results based on zip code, city, state, or county.
2. The system shall provide appropriate facility details such as cost, size, and pictures. It should allow the user to download a PDF file with this information for each facility.
3. The system shall allow end users to create an account that stores their basic information, such as name, address, email, and tracks their activity.
4. The system shall allow end users to book an available time slot to rent a facility. Once the request is sent, the user will receive confirmation and eventually either be accepted or denied.
5. The system shall allow end users to view events occurring at their school. It shall also allow the ability to purchase tickets for them.
6. The system shall allow end users the capability of making a donation to a school of their choice.
7. The system shall allow end users to share information about a particular event on Facebook.
8. The system shall allow end users to view tweets from their peers about events so they can find activities they might be interested in.

**Administrator/Coordinator**

1. The system shall allow the end user to create an Admin account that stores their information and tracks their activity.
2. The system shall allow the end user to register new facilities and their details such as size, cost, and availability.
3. The system shall allow the end user to add, edit and delete facility details and the ones being rented. It should also allow them to accept or deny client booking requests.
4. The system shall allow the end user to add, edit, and delete events being held in the facilities.
5. The system shall allow the end user to share events and receive feedback through social media.
6. The system shall allow the end user to download and view a PDF containing data about the events and facilities.

Page Descriptions

|  |  |
| --- | --- |
| Homepage | * Information * Social media * Login * listings |
| Information | * About site * FaQs * Contacts |
| Social Media | * Twitter * Facebook * Instagram |
| Login | * Sign up   + Individual login * Admin   + DOE * Site admin   + Principal   + School Admin |
| Listings | * Time Frames available * Location   + Event     - Time frame     - Location     - Activity     - Age range     - # of ppl(min/max) * Picture * Type of space |

Non-Functional Requirements

1. The application must have embedded payment processing
2. The application must work on all modern browsers and devices.
3. An existing Solution cannot be used.
4. The website must support 1,000,000 continuous users.
5. A working prototype must be presented by the end of May 2017

Risks

It will be key to the project's success to correctly research, implement, and license pre-constructed tools and code to meet our system requirements.

Site Map

