Vision

ver 2.0

Sheepdog Defense Group

Revision History

Date	Version	Description	Author
10/08/18	*1.0*	*Initial Draft*	*Whole Team*
12/12/18	*1.2*	*Refurbished with recommendations and upgrade.*	*Tek Ghimire*
05/04/19	*2.0*	*Reworked various layout issues, sizing and space inconsistencies, and phrasing throughout entire document. Also, implemented suggested changes.*	*John Hodnett*

Table of Contents

Vision

1.   Introduction
The purpose of this document is to define the high-level requirement of the SheepDog website in terms of the needs of the end users.

2.   Positioning
Sheepdog Defense Group is a self-defense company based out of Fort Worth. Fully licensed by the State of Texas Private Securities Bureau, SDG aims at providing self-defense and weapons training that can help others protect communities of their own. Their main goal is to provide training to church groups and private schools to prevent them from becoming targets of violent acts. SDG also offers self-defense and weapons training to the public so that they can protects themselves and their families. David is looking for a new website that will allow customers to sign-up for classes using an interactive calendar and access an online store to purchase Sheepdog merchandise. The site will allow the Guards to access all of the important information needed to protect their community, as well as, access to information of their own. The site will allow David to efficiently manage a wide range of services regarding the business so that heavy reliance on email and storage of paper documents will not be necessary.

2.1   Problem Statement

The problem of	*the current website*
affects	*David, the Guards, and the Customers.*
The impact of which is	*the difficulty in getting information and lack of assistance, as well as, useful features.*
A successful solution would	*help David organize his training classes, attract more customers, and streamline items, such as, class registrations, location assignments, and paperwork completion.*

2.2   Product Position Statement

For	*David, the Guards and the Customers are*
who	*teach or work for churches (Guards) and who sign-up for classes (Customers).*
The SDG website	*is an online tool*
that	*enables class creation, registration and management, ability to assign work locations,*

	and the storage of personal records and documents.
Unlike	*the current website,*
our product	*streamlines merchandise orders, class organization and registration, and user profiles, and it's all managed through an administrative portal, accessible by David, for handling any SDG site data, such as Guard information.*

3. Stakeholder and User Descriptions

This section describes the different types of users that'll be interacting with the SDG site. There are three distinct types — Customers, Guards, and Administrators.

3.1 Stakeholder Summary

Name	Represents	Role
David Riggall	*This stakeholder owns the SDG company.*	*He works with Guards and Customers to translate needs into requirements. Also, he ensures that Senior Design Group Team Members understand the needs of the site.*
Senior Design Group Team Members	*This stakeholder leads development of the new SDG site.*	*Ensures that the system will meet the needs of SDG.*

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Administrator	*Management*	*Ability to manage all of the inflowing and outflowing site data, such as — available classes, class roster, consultation requests, etc...*	*Self-represented*
Guard	*Employees*	*Access to company portal, church page,*	*Self-represented*

		and ability to manage their own user profile information and work schedule.	
Customer	*Anyone using SDG for service(s), good(s), or information.*	*Sign-up for a class, request consultation, purchase merchandise, etc...*	*Self-represented*

3.3 User Environment

SDG users, ranging from Administrator to Customer, need an easily accessible and navigable website with readily available, easy to find, information. It needs to be work on desktop and mobile, as well as, have compatibility with every major browser. In regards to features, the system needs to provide access to class information, request consultations, make a purchase of merchandise, ability to modify personal information, and capability to keep track of class scheduling for Guards.

3.4 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solution
Manage Business Information	*High*	*A lot of paperwork and information is required that could become lost.*	*Currently all information regarding upcoming classes, invoices, guard information, client lists, and calendars is done manually and things are often lost or go unnoticed.*	*A new system would allow David to keep track of all information online to help with the organization of his business practices.*
Manage Guard Information	*High*	*Collecting required information is cumbersome and adds hours onto the training process.*	*Currently, all guards must show up and spend multiple hours completing required forms and documents required for their service. Once all guards have been trained, all of their schedule*	*Guards would like to have a online registration process that allows them to fill out all necessary forms and documents ahead of time to speed up the training process*

			are tracked manually and often goes unreported when a schedule change occurs. Whenever a change in guard information is required, the form must be completely rewritten and stored again.	*and also allow for easy access to those documents to make necessary changes. Their schedules are also tracked online.*
Online Class Registration	*Medium*	*Current registration process is inefficient.*	*Currently customers must go to the website to read about the courses that are offered and then call or email David to ask when a specific class is offered in order to sign up and place a deposit. If the class reaches the minimum number of sign-ups, David will then email all who signed-up with the class location and any other relevant information specific to the class.*	*Customers would like to have a streamlined sign-up process where all class dates and times are posted on a online schedule with the sign-up process all done online.*
Online Store	*Low*	*Current online store is non-existent.*	*Currently anyone one who takes a class is given a sheepdog shirt and can purchase a hat*	*David would like the ability to offer available merchandise on the website and give users the*

			after the class is over.	ability to purchase them online.

### 3.5 Alternatives and Competition

David is currently aware that other sites have the capabilities that he is looking for in his website but in unaware and not qualified to build or search for other solutions. He chose the TCU computer science department to assist in building his site to reduce the cost and ensure that his requirements are met.

4. Product Overview

This section provides a high level overview SDGs site capabilities, interfaces to external systems, and system configuration. It'll allow customers to sign-up for courses and/or consultations through an easy to use user interface. Also, guards will be able to sign-up and provide their information. We will provide many improved capabilities in the roll out of this product, such as an enhanced ease of communication.

4.1 Product Perspective

The new Sheepdog Defense Group Website will replace the existing website currently in use.

User   Guard   David
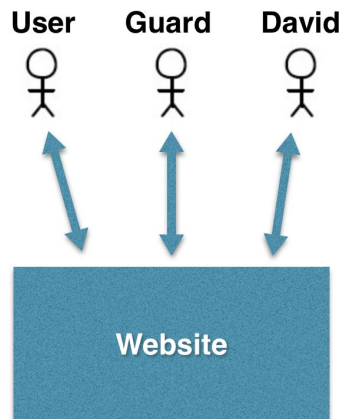
Website

4.2 Assumptions and Dependencies

Assumptions	Dependencies
The website is being run from Chrome, Firefox, or Safari.	The website works most effectively from Chrome, Firefox, and Safari.
The third party Stripe provides a secure form of payment and keeps all users information private.	This should give the user more information security and trust.

5. Product Features

5.1 Company Overview

A home page is created to introduce the company to potential customers. Content includes Sheepdog philosophy, mission statement, calendar of civilian classes with link to pay, etc.

5.2 Class Sign-Up and Payment Process

Customers can go online and sign up for classes that they want to take. The company offers three main classes: armed, unarmed, and security. Once a customer registers, he will be on the waitlist and make a deposit for the class. If there are not enough participants in each class, the customer will get a full refund of his deposit. In addition, the customer can purchase company apparel and make direct payment on the website.

5.3 Guard logins

Sheepdog Guards can use this website to log in and update personal information (licenses, hire paperwork, approved equipment, etc). With the provided information, the admin can approve equipment requests, keep track of his guards to ensure safety for the customers and follow government's laws.

5.4 Admin Login

Admin can use this website to manage classes, keep track of employees, and perform office procedures.

5.5 Security

Since all the information is highly sensitive, one important feature of this website is data encryption. This method can secure staff and admin login processes and customer personal information.

6. Other Product Requirements:

6.1 User Requirements

Many people believe their visitors know about their product or service before they enter their site. This is completely wrong.

Visitors may have a general idea of what the product or service but they seem to not know the particulars about it in any way shape or form.

Therefore, we must provide an index page of our products and assistance that will assist the customers in their decision making.

6.2 Performance Requirements

Customers authorized user type as assigned by the system administrator.

An employee authorized security level as assigned by the system administrator.

Customer and Employee authorized control level as assigned by the system administrator.

6.3 Functional Requirements

The administration will allow or disallow the information or data to be entered into the system.

Employee must sign-in to access the David information.

6.4 Quality-of-Service Requirements

The most common use cases for Sheepdog are the interactive calendar and website information. But there are plenty more cases, especially for different users. An example is in the producing sector, where the client would like a personal login for admin. Real-time status information on any issues that may be occurring on the site.

6.5   Specific Requirement

Administrators can see running inventory and keep up with employees' licensing deadlines.

The client would like access a training calendar for customers and allow them to register for classes.

Guards need to be able to log in to a personal page, view, as well as update their user profile and view their requirements.