# CMSC 345

### Software Design and Development

# (Adapted from Susan Mitchell)

# Administrator Manual Template

Writing Instructions

Use the materials posted under the Writing Resources button on Blackboard as references for grammar, spelling, punctuation, formatting, and writing style.

Be sure that your document is

* Complete - No information is missing
* Clear - Every sentence's meaning must be clear to all parties
* Consistent – The writing style and notation is consistent throughout the document and the document does not contradict itself
* Verifiable - All requirements and other facts stated are verifiable

Remember that you are required to do a team review of this document.

When you think you are done with the Administrator Manual, ask yourself, "Could someone who was not part of the development of this product install and maintain it?"

VeriHandy

Administrator Manual

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Notes:

* Use technical, domain-specific prose targeted to the anticipated audience (i.e., the system administrator).
  + Do **not** assume your audience has already read any of your technical documents (e.g., SRS, SDD), but reference particular sections of those documents when warranted.
* You may reuse as much of any of your previous manuals as you wish.
* It is difficult to give paragraph estimates for Sections 3 and 4, as all products are unique. That is, there may be more or less to say about a particular product. Just be as thorough as you can for your product.

## 1. Introduction

1.1 Purpose of This Document

This document is designed to help a new administrator of the VeriHandy website in their duties of properly administrating the site. This may include but is not limited to:

* When and how to ban a user
* How to make a user an administrator
* Description of the Admin Panel
* Viewing active users and their reviews
  1. References

It is recommended all administrators have a basic idea of the design of VeriHandy. As such, new administrators should reference these other VeriHandy documents as well, including:

* + System Requirements
  + System Design
  + UI Design

2. **System Overview**

2.1 Background

VeryHandy runs off of a server or computer and uses an internal database to track all of its data. As such, its design starts from the database. The administrator will be responsible for understanding the functionality of this database, how users are added, and how each table of the database is connected. The administrators will then work with the database to maintain quality and satisfaction from the users.

System administrators will mostly interact with the Admin Page of the VeriHandy application. They will see the users and their ratings, as well as currently banned users. The administrator can then interact with the user friendly application to decide the fate of these users who have gotten very poor reviews.

2.2 Hardware and Software Requirements

VeriHandy only requires a computer with a keyboard or some other external device to enter credentials, as well as a stable internet connection through a router/ modem.

The recommended software for this application is google Chrome. If the administrator is developing on new releases, Laravel Homestead, GitHub, GitBash, Vagrant, and Oracle VM VirtualBox are recommended

3. **Administrative Procedures**

3.1 Installation

There is no installation required for day to day admin procedures. However if maintenance or new releases are necessary, follow these steps.

Step 1:

Install Virtual Box

- <https://www.virtualbox.org/wiki/Downloads>

Install Vagrant

* https://www.vagrantup.com/downloads.html

Install Git Bash

* <https://git-scm.com/downloads>

Step 2:

Laravel has a great installation guide to help you get you setup your development at home. Follow the guide at this website:

* <https://laravel.com/docs/5.2/homestead>

Our development team followed the above installation guide and it should be sufficient to get your homestead environment set up.

Once you have successfully established your Virtual Machine with your Laravel Homestead, CD into the directory that holds your Homestead folder. Run the following commands:

->vagrant up

… \*vagrant will do its thing, make sure there is no errors\*….

->vagrant ssh

Great! Now if you are connected with your virtual machine. Create your programing folder and clone the git repository.

3.2 Routine Tasks

Routine tasks will encompass a large portion, if not all, of the administrators time with the application. The routine tasks the administrators will be tasked with is keeping an overview of users that have a poor rating. These users will appear on the admin page and the administrator can see the user’s credentials, ratings, and reviews. The administrator will then decide if the reviews on the user are sufficient reason enough for their account to be frozen. They will also be in charge of unfreezing the accounts after a period of time.

3.3 Periodic Administration

There is very little periodic administration to be done. The admins will unfreeze accounts after a period of time. VeriHandy doesn’t want to remove any of its users permanently at this time, and so the admins will not be responsible for removing inactive accounts.

3.4 User Support

There is no user support at this time. A contact number can be added for the administrators but we do not have a safe system to avoid harassment for our administrators at this time.

4. **Troubleshooting**

4.2 Dealing with Error Messages and Failures

The database is maintained via a server, and should not have any changes made to it in any way. That being said there should be no error messages with any interaction regarding the database. Everything that is currently coded is self-checking. The admins shouldn’t run into any failures or error messages, as the system will alert a user and redirect accordingly as it is.

The only error message that may occur would be not being able to connect to the web application because the user has no internet connection, in which case I recommend resetting your router and contacting your internet provider.

4.3 Known Bugs and Limitations

There are no known bugs and limitations at this time.

**Appendix A – Team Review Sign-off**

Place on a separate page. Provide a brief paragraph stating that all members of the team have reviewed the document and agree on its content and format. Provide lines for typed names, signatures, dates, and comments for each team member. The comment areas are to be used to state any minor points regarding the document that members may not agree with. Note that there cannot be any major points of contention.

**Appendix B – Document Contributions**

Identify how each member contributed to the creation of this document. Include what sections each member worked on and an estimate of the percentage of work they contributed. Remember that each team member must contribute to the writing (includes diagrams) for each document produced.