Software Requirements Specification

for

Super Sucky Tees

Version 1.0

Prepared by SST Team Members

University of North Carolina (Greensboro)

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1 Introduction

The purpose of this document is present a description of the software application. The application was developed using javaFx as part of a group school project.

This PC application will present the user with a series of displays and allow him to make custom selections to develop a unique clothing product. In addition, the user can add an image to the shirt for further customization. After the order process is complete, the user will receive a confirmation email, recapping the selection choices made during the order.

The theoretical intended audience would be any end user looking to purchase shirts, typically in a bulk purchase environment. The development team consisted of members as shown below:

Application Name: ShirtShop
Team Name: SST
Team Members: Scott King
                    Sebastian Schwagerl
                    Troy Sanford

2 System and Platform Requirements

This application is operating system system specific and thereforek should perform acceptably well on any modern PC platform, includine Linux, Max OS X, and Windows. Various parts of the application were developed on multiple different OS platforms, with Windows 7 SP1 64-bit being the oldest. It is safe to assume that an OS environment more than Windows 7 is acceptable.

In addition to OS requirements, the PC must have Microsoft Access installed as the perpetual data storage is based on Access.

An internet connection is required to complete the email confirmation process. In addition, the user PC should have an email client installed in order to send email questions.

The user PC also needs java installed. The recommended version of java is Java 8 update 99 or newer. Early versions of java 8 had an issue with auto scrollbars on TableView. In addition the standard install of Java, the following addition .jar files are required:

email function:	activation.jar
	java-mail-1.4.4.jar
database function:	commons-lang-2.6.jar
	commons-logging-1.2.jar
	jackcess-2.2.0.jar
	hsgldb-2.4.1.jar
	ucanaccess.4.0.4.jar

The only additional hardware requirement is the output display. The application requires a monitor that is capable of displaying a minimum 1200 horizontal and 860 vertical pixels. Recommended minimum resolutions are as follows below:

4:3 ratio	1280 X 960
16:9 ratio	1920 X 1080
16:10 ratio	1440 X 900

3 External Requirements

There are no external requirements for this application. The application is fully contained on the user's local PC.

4 Other Nonfunctional Requirements

There are no security requirements, the application can be used by any user without additional priviledges required.
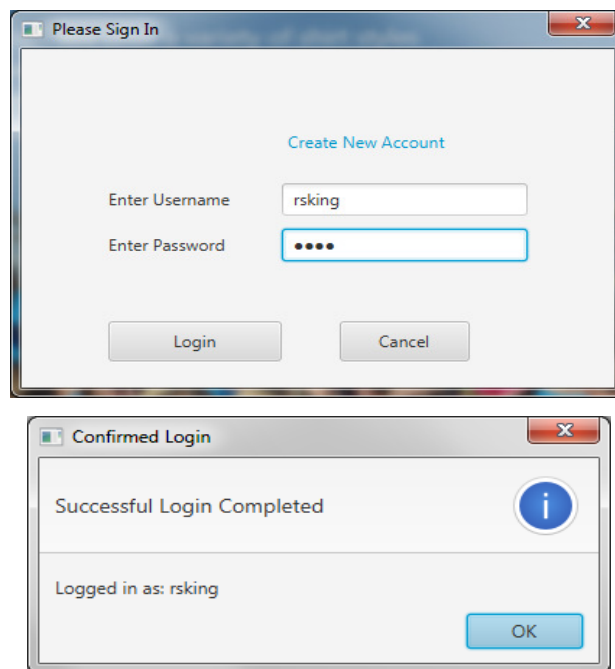
5 System Features

The application is self-contained on the user's local PC. At initialization, it displays the Main Menu display, which serves as the home page for the

application. From the Main Menu display, users can log in, create an account, or begin the shopping process. The Main Menu display is shown below:

Most operations beyond the Main Menu display require the user to be logged in. Selecting the Login button will prompt the user will a new display as shown below along with a confirmation notice upon successful login:

Clicking the Shop button will present the user with a new display. This display is the core for completing the shopping process. The user will complete 4 steps, along with an optional 5th, to build a custom article of clothing.

After adding items to the cart, the user can view the cart contents and make shipping election by clicking on the View Cart button in the upper right of the display.

The order process is completed when the user clicks on the Complete Checkout button on the button right of the Cart display. A confirmation email is generated based on the user's selections and sent the email address in the user database. All orders are logged in the database for future reference. Upon order checkout completion, the user is returned to the Main Menu display.