Software Requirements Specification

for

Lacy’s kiosk Online Store

**Version 1.0 approved**

**Prepared by Tim Oliver, Souleymane Mehinhoua, Alisha Locust (Kiosk Group)**

**Gwinnett Technical College**

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**Revision History**

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| **Name** | **Date** | **Reason For Changes** | **Version** |
| Tim Oliver | 2/27/15 | First Version | 1.0 |
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**Introduction**

## Purpose

Jay Brown, Instructor for CIST 2931 has hired us out to Lacy’s, a retailer business similar to Macy’s. In order to improve their business, Lacy’s want to build a software that will allow the company to promote their products, sell online, and get feedback from the customers. The software should also be able to collect some information about the users.

## Product Perspective

The product being specified in this Software Requirement Specifications is a stand alone software that will be built for the first time. The software will be hosted by a serer, and accessed through a in store kiosk by the users. A database will be used to store and retrieve the data.

**2. Functional Requirements:**

**2.1. GUI Functional Requirements**

* The System shall implement a Java Swing based GUI.
* The GUI will have a page navigation system.
* The GUI will Display the User’s user-name at the top of the page once he/she is logged in.
* Prior to successful Log-in a User-name and Password text area will be displayed at the top of the page.
* A login button will be next to the username and password.
* The Login button will access the Userdatabase and validate The login based on Username and password.
* The GUI will have a main page, Pages correlating to each product category, and a transaction page.

**2.1. Database Functional Requirements**

* The database will contain User Profile Information (Username, Password, UserID#, ...)
* The database will contain Product information(category, characteristics, price, productId#, ...)
* The database will contain Order Information
* The database will be compatible with the program and will be accessed

**2.3 User Functional Requirements**

* The user will be able to navigate the website and place order as a guest (without logging in)
* If he/she have created an account, a user may be asked to log in to his/her account in order to place an order
* The user’s Profile will keep track of his/her User-name, Password, and ID#
* The User’s Profile will keep track of his/her previous purchases.
* The User’s profile will keep track of his/her product & site Feedback.
* The user will only be able to view his/her Profile information(Password, balance, previous purchases, previous orders) if he/she is logged in.

**2.4 Product Functional Requirements**

* The User’s profile will keep track of his/her product & site Feedback.
* The user will only be able to view his/her Profile information(Password, balance, previous purchases, previous orders) if he/she is logged in.
* Products will be listed under the following categories( Women’s Apparel, Men’s Apparel, Kid’s Apparel, Home, Beauty, Accessories, Shoes)
* Products will be displayed with on the Category page correlating to their category
* Products will have a popularity rating.
* Products will be ordered by Popularity on their category page.
* Products popularity will be calculated based on sales in a time period

**2.5. Feedback Functional Requirements**

* Feedback will be stored based on the product the feedback refers to.
* Feedback will also be stored for the Business as a whole.
* Feedback will have unique Feedback #
* Feedback will keep track of The subject of the feedback (Product ID/Business)
* Feedback will keep track of the Author of the feedback.
* Admins will be able to respond to Business feedback/querrys

**2.6. Employee/Administrator Functional Requirements**

* Employees/Administrator’s Will be able to log on using an Admin Account.
* The Admin account will not be able to purchase products.
* The Admin account will access an Alternate GUI which grants privileges.
* The Admin will be able to Raise or Lower the Price of a product.
* The Admin will be able to Add new products to the Database (Using the site GUI?)
* The Admin will be able to Remove products from the Database (Using the site GUI?)
* The Admin will be able to ship order items.

**2.7. Program Functional Requirements**

* The Program will be able to detect when a Product is faster selling or slower selling products.
* The Program will suggest slower selling products of the same category if a user adds a fast selling product to their cart.

# 3. Nonfunctional Requirements

**3.2. Performance Requirements**

* The software should be able to handle a large amount of users at a time,
* The system should be able to respond to a request in milliseconds

**3.3. Safety Requirements**

* Diagnostic checks shall be run twice a week to ensure the Kiosks are running properly.
* The Kiosk hardware and software shall be installed in 20 locations across the country for consumer testing.
* A Hand sanitizer dispenser shall be kept near the Kiosk to improve cleanliness.

**3.4. Security Requirements**

* The Admin Account privileges shall only be given to managers.
* An Employee must be posted near the kiosk during customer hours.