Requirements Specification Document

Style Stalker App

Price Monitoring Mobile Application

# Introduction

This Software Requirements Specification (SRS) describes the functional and performance requirements for a price monitoring mobile application that will tentatively be referred to as Sale Stalker. Sale Stalker is an iOS mobile application whose objective is to help avid shoppers save money and still buy the items they are coveting. Users will open the application on their phones, create a user profile, and login. Once logged in, the user can browse various online retailers and mark items of interest to them. The items will be added to the user’s “wish list”. The user will be able to view the wish list containing all the items marked as well as the item’s current price and sale price if applicable. When an item goes on sale, the user will be alerted via a phone notification so the user can take action and either ignore it or go ahead and purchase the item. The applications purpose is solely to alert the user when an item goes on sale. Actual purchases are to be made outside the application by the user whether it may be on the computer, through the phone’s web browser, or on a third party retailer application.

This document will first outline the functional requirements, followed by the performance requirements, and finally, the environment requirements.

# Functional Requirements

The completed system is expected to allow users to browse the website of an online retailer and mark any items that they may be interested in buying at a later date when the price is reduced. The completed system should also have a menu that allows the user to navigate between browsing for items, their list of marked items, and their profile information. The completed system shall allow the user to view their marked items as well as edit the list to remove items. The completed system will alert the user via a notification when an item that was marked goes on sale. The completed system will respond to the user’s decision to ignore or acknowledge the notification by either closing the notification or opening the application.

* + 1. Graphical User Interface
       1. The Graphical User Interface (GUI) shall provide a menu to access all the functions of the application.
       2. The GUI shall allow the user to edit their items.
       3. The GUI shall allow the user to browse online retailers within the application.
       4. The GUI shall provide a button to mark the item to be watched.
       5. The GUI shall display a list of the items of the items being monitored.
    2. User Profile
       1. The user shall be able to create his or her profile within the application.
       2. The user shall be able to login and logout from his or her profile.
       3. The user profile shall contain all items specific to that user.
    3. Notifications
       1. Phone alerts shall notify the user when an item goes on sale.
       2. Alerts shall provide options for the user to ignore or acknowledge.
       3. Alerts shall conform to the user’s notification settings on their phone.

# Performance Requirements

* + 1. User Profile
       1. The application shall create a user profile from a given email address and password.
       2. The application shall store the user’s name, email, and encrypted password.
       3. The application shall access the database when the user’s name, email, or password is changed and record the new changes.
       4. The application shall return a list of items marked by the user when the user submits the request.
       5. The application shall access the database when the user’s list is edited, either by adding an item or removing an item, to record the changes.
    2. Selecting Items
       1. The application shall add the selected item to the user’s wish list that will be referenced using a unique ID in the database.
    3. Notifications
       1. Price alerts shall occur once a day, if applicable, to alert the user of any items that have reduced in price.
       2. The notification shall open up the application if requested by the user.
       3. The notification may also be ignored and shall live in the notifications bar of mobile device unless cleared by the user.

# Environment Requirements

* + 1. Mobile Client
       1. Style Stalker will require a iOS mobile device to run on like the iPhone or iPad.