**Software Requirements**

**Specification**

**for**

**Mary Kay Inventory System with POS**

**Version 1.0 approved**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Garcia and De Guzman | 10/24/14 | Incomplete information | 1.0 |
|  |  |  |  |

**1. Introduction**

**1.1 Purpose**

This Software Requirement Specification (SRS) provides detailed requirements for the Mary Kay Inventory System with POS produced for all of the Beauty Consultant of Mary Kay. This document is intended to be used by the members of the project team that will implement and verify the correct functioning of the system.

**1.2 Document Conventions**

This document has a font of Arial with the size of 11. It will also be written with a 1-inch margin on all sides. Every paragraph will be single-spaced. It will be on 8.5x11 sheets of paper. The document will prioritize on its requirements of the system. It will state what components will make parts of the system work.

**1.3 Intended Audience and Reading Suggestions**

This document is intended for Beauty Consultants of Mary Kay and the Sales Department. The document contains all requirements and details of the system. This will also serve as a guide for the readers and audience regarding the proper usage of the system and for them to understand the system better.

**1.4 Product Scope**

The system was designed and created to help Mary Kay Beauty Consultants track down their sales and on-hand inventories, making them more productive and efficient in using their time. The system will also provide a customer list for easy tracking of the Beauty Consultant’s clients’ wants and needs.

**1.5 References**

Other information regarding Mary Kay Inventory System with POS is found in the Vision and Scope Document, and its wiki page. The vision and scope document provides information on the general overview and the visions of the system. The wiki, which is found in, provides details regarding the system.

**2. Overall Description**

**2.1 Product Perspective**

The Mary Kay Inventory System with POS is a system that will help current manual processes of ordering products. It is an android-based application that can that shows a consultant sales for per month, per quarter, or even per annum via any android device.

**2.2 Product Functions**

The functions of the Mary Kay Inventory System with POS are as follows:

1. Login and logout
2. Graph that shows a consultant sales
3. Customer Profile
4. Product Inventory
5. Update Inventory
6. Sales Report

**2.3 User Classes and Characteristics**

The user for the Mary Kay Inventory System with POS is as follows:

* Beauty Consultants
  + Creates and modifies customer profiles
  + Updates on-hand inventories
  + Checks current sales report
  + Can view inventory
  + Can view customer profiles

**2.4 Operating Environment**

The Mary Kay Inventory System with POS will be implemented on Android phones of Beauty Consultants. It requires at least Jellybean Android Operating System to run. It will also use SQL database for storing its customer profiles and sales reports.

**2.5 Design and Implementation Constraints**

The system in only limited for checking and updating on-hand inventory, storing customer profiles and creating sales reports for the Beauty Consultants. Other functions such as ordering via the system and tracking the delivery will be unavailable due to time constraints.

**2.6 User Documentation**

The components for user documentation of Mary Kay Inventory System with POS is as follows:

* Manuals for the Beauty Consultants
  + For proper usage regarding the updating of inventory and customer profiles, data management, as well as checking the sales report.
* Help option within the System
  + Easy step by step guides will be provided within the system to help the user navigate and use the system properly.

**2.7 Assumptions and Dependencies**

The assumptions and dependencies of Mary Kay Inventory System with POS are as follows:

* The user must have an android phone for the system to be installed.
* The OS of the Android phone should be Android Jellybean or later versions.

**3. External Interface Requirements**

**3.1 User Interfaces**

*<Describe the logical characteristics of each interface between the software product and the users. This may include sample screen images, any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on. Define the software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>*

**3.2 Hardware Interfaces**

*<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>*

**3.3 Software Interfaces**

*<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>*

**3.4 Communications Interfaces**

*<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>*

**4. System Features**

*<This template illustrates organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.>*

**4.1 System Feature 1**

*<Don’t really say “System Feature 1.” State the feature name in just a few words.>*

4.1.1 Description and Priority

*<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>*

4.1.2 Stimulus/Response Sequences

*<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>*

4.1.3 Functional Requirements

*<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the*

*product should respond to anticipated error conditions or invalid inputs.*

*Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use “TBD” as a placeholder to indicate when necessary information is not yet available.>*

*<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>*

REQ-1: REQ-2:

**4.2 System Feature 2 (and so on)**

**5. Other Nonfunctional Requirements**

**5.1 Performance Requirements**

*<If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.>*

**5.2 Safety Requirements**

*<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product’s design or use. Define any safety certifications that must be satisfied.>*

**5.3 Security Requirements**

*<Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.>*

**5.4 Software Quality Attributes**

*<Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.>*

**5.5 Business Rules**

*<List any operating principles about the product, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.>*

**6. Other Requirements**

*<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>*

**Appendix A: Glossary**

*<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>*

**Appendix B: Analysis Models**

*<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams*.>

**Appendix C: To Be Determined List**

*<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>*