B.K. Jewellers

**Software Requirement Specification (SRS)**

**Document for**

**“Account management” part.**

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Prepared by:

Group 2

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* **Table of Contents** -

|  |  |  |
| --- | --- | --- |
| Sr no. | Content | Page no. |
| 1. | Introduction |  |
|  | * 1. Purpose | 4 |
|  | 1.2 Scope | 4 |
|  | 1.3 Overview | 4 |
|  |  |  |
| 2. | Product perspective | 4 |
|  |  |  |
| 3. | Interface |  |
|  | 3.1 System interface | 5 |
|  | 3.2 Software interface | 5 |
|  | 3.3 Hardware interface | 5 |
|  |  |  |
| 4. | Operations | 6 |
|  |  |  |
| 5. | Product functions | 6 |
|  |  |  |
| 6. | Specific requirements | 7 |
|  |  |  |
| 7. | User characteristics | 7 |
|  |  |  |
| 8. | Constrains | 7 |
|  |  |  |
| 9. | Performance requirements | 8 |
|  |  |  |
| 10. | Database requirements | 8 |
|  |  |  |
| 11. | Security | 8 |

1. **Introduction**
   1. Purpose:

* The software requirement specification (SRS) is a document that lays out the description of the account software that is to be developed as well as the intention of the software under development.
* Software requirements specifications what the account software is supposed to do s well as how it suppose to perform.
  1. Scope:

The main focus of this document is on software requirements for the software to perform the tasks effectively.

* 1. Overview:

In this section all general factors described affects product and its requirements which user can understand easily.

1. **Product perspective**

This is a small part of whole jeweller’s management software. This section is totally independent. It implies on graphical user interface (GUI). All the working in this software is done in pre define sequence with dependencies in between them.

1. **Interface**

This software is using these following interfaces:

* GUI (Graphical User Interface),
* API (Application Program Interface),
* Alphabetization,
* WHSIWYG(What You See Is What You Get),
* Hypertext.
  1. System interface:

It is based on simple GUI (Graphical User Interface) from which user can see on the computer screen in very effective manner and easy to use functions present on the screen, it also provide simple platform to do account activities and to record all this activities in the same software.

* 1. Software interface:
* Programming interface: this software is scripted in c++ computer programming language because it is object oriented programming language.
* Communication interface: SMTP (Simple Mail Transfer Protocol) email is used to communicate outside the software.
* Connection interface: the “software drivers” are used to activate peripheral devices.
* External online interface: GST Portal ([www.gst.gov.in](http://www.gst.gov.in) ) is mandatory for filing returns online.
  1. Hardware interface:

The hardware interfaces includes:

* Mouse,
* Keyboard,
* Barcode scanner
* Printer,

1. **Operations**

The normal and specific operations which are required by the users are following:

* Received invoice
* Delivered invoice
* Pending invoice
* New item
* Expenses
* Help
* Backup and recovery operation

1. **Product functions**

The account section is supposed to do these following activities:

* Login: it includes a simple login process to get into the software.
* Received invoice: it includes the process for saving the invoices for sold items.
* Delivered invoice: it includes the process for saving the invoices for any payment done by shop.
* Pending invoice: it includes the process to show the list of pending invoices for completing them as soon as possible.
* New item: it includes the process of adding newly made jewellery to main stock.
* Expenses: it includes the process of listing day to day expenses.
* Backup and recovery: it includes the process of maintaining the sale record for future use

1. **Specific requirements**

Our system need one extra equipment “barcode scanner”, which is used to enter the item details by scanning the bar-codes present on the stickers with items.

1. **User characteristics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | No. Of users | Computer knowledge | Role knowledge | Guidelines knowledge |
| Accountant | 3 | 60% | 70-75% | 80% |
| Account manager | 1 | 80% | 85-90% | 90-95% |

Note: All the measurements are the minimum level.

1. **Constraints**

The constraints must include the limitations as follows:

* GST regulatory policies: programmers should develop software with editable files for GST filing, rules as per the GST Portal (<https://www.gst.gov.in> ).
* Hardware: this applies to accountant only, for adding items only by barcode scanner.
* Parallel operations: multitasking environment must capable of handling maximum 5 tasks concurrently.

1. **Performance requirements**
2. Static

* 4 terminals are supported (mouse, keyboard, barcode scanner and printer).
* Maximum 4 users on different machines with same role are supported.

1. Dynamic

* Every loading process must get completed within 6 seconds maximum.
* Scanning should be processed within 1-2 seconds.
* Data fetching process must get completed within 5 second maximum.
* Additional calculations must apply within 1-2 seconds.

1. **Database requirements**

-------- (N/A) ---------

Note: insufficient knowledge.

1. **Security**

Our software provides a level of security required by the company that includes:

* Single user login on multiple machines at a time is restricted.
* No any credential information should pass on software.