

Software Requirements Specification (SRS)

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1. Introduction

1.1 Purpose

The main purpose of this document is to get detailed overview of the SHK's features, workings & requirements. It will give users truly a new experience of shopping jewellery online. This document is created for users of the software and also potential developers.

1.2 Document Conventions

This Document was created based on the IEEE template for System Requirement Specification Documents.

1.3 Product Scope

SHK is the software which people can use for purchasing the jewellery of their like from wherever on the earth. User can make the payment from various banks and other payment applications available in the market. They can purchase the products and add the products in the cart also. The whole process from making an id to purchasing the product is so easy that any amateur to this software can also make it through easily.

2. Overall Description.

2.1 Product Perceptive

SHK was developed for everyone who is interested in

purchasing the products of SHK. It can show you the daily price of the gold and silver as per the market rates. It is an open source project and it has a very active developer team to support it and provide feedback to users.

2.2 Product Functions.

- Login and signup: To login in existing account or to create new account. Users have to enter the proper ID and password to enter in his/her id.
- Selection of metal: To select the metal (gold or silver) for the jewellery. User can select from here which type of jewellery they want to buy and directly can select the material from here.
- Product category: Select the category to view specific jewelry. Here user will get to see all the categories available in the software. And can select the category as per the preference.
- Add to cart: To add the products in the cart. User can add the products they like and can see

them later from the cart.

- Selection of city: select the city where you are visiting the store. Users have to select the city location from which city they are using it and which store they are going to visit.
- Store locator: To check other locations of the store. Here user can see all the store locations across the India and can get the address and contact details of the stores.
- Gift card: A special wallet for gift. Whenever user will purchase jewellery they will get some gift points and it will be visible from here and can access here.
- Net value: User can check approximate value of their old jewellery. If user wants to check the value of their jewelry they will get approx amount they can get from our store here.
- Gender selection: User can select gender for whom they are purchasing. Here they will get option of male/female.

- Weight selection: User can set minimum or maximum weight. They will get to see all the products in their selected range from this feature.
- Feedback window: Here user can share their experience and feedback. They can also give suggestions and if any hardship they have faced.
- Order tracking: Customer can track their order here. They will have all the details of tracking any every update about their product will be shown to them here.
- Help & contact us: If any need of help or any other query user can use this feature.

2.3 Operating environment

This software will be built on java technology so it will be creating a website which can be accessed from any web browser of a phone and computer and so on. Also there will be mobile application developed which can be accessed via mobile phones.

2.4 Design and implementation constraints.

SHK is developed in Java; it uses OpenGL for its visualization engine and has been built on top of the NetBeans Platform. It uses a modular design where every feature is wrapped into a separate module and the modules depend on each other through well-written APIs. There are several APIs available to make plugin development easy.

2.5 Assumptions and Dependencies.

SHK is developed in Java and therefore requires Java to be installed on the user's system. The latest stable version of SHK requires Java version 7 or higher. This applies to Windows and Linux users. On Mac OS X, Java is bundled with the application.

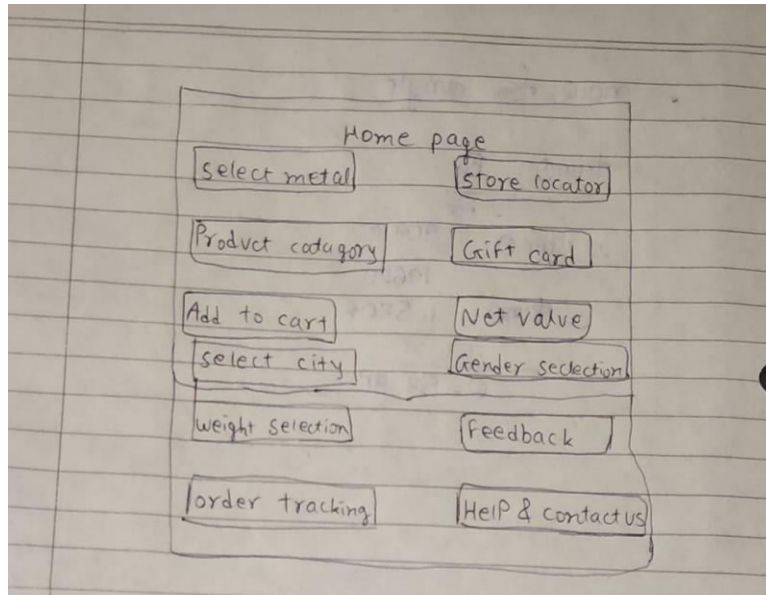
2.6 User Documentation.

One help page is provided in web app in that page all the features like -how to search -how to book service -how to update services -how to do the payment. All the things mentioned on that page with appropriate guidance and instruction with all the pages screenshot.

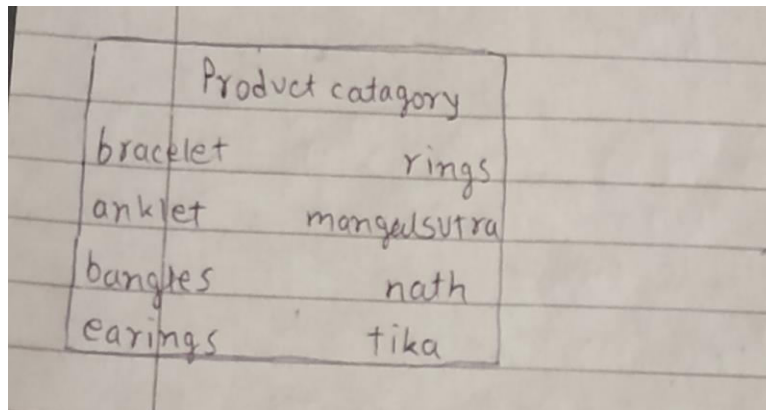
3. External Interface Requirements

3.1 User Interface

➤ Home page



➤ Category page



➤ Order tracking

A hand-drawn form titled "order tracking". It contains three input fields: "order no.", "tracking id", and a button labeled "locate". The form is drawn on lined paper.

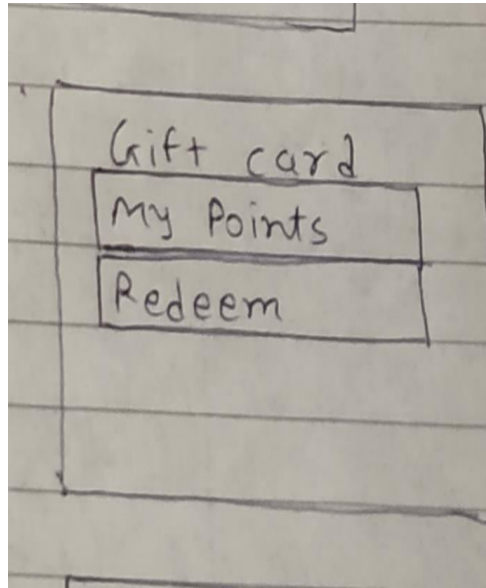
➤ Select city

A hand-drawn form titled "Select city". It contains a dropdown menu with the text "-- select --" and a downward-pointing triangle icon. The form is drawn on lined paper.

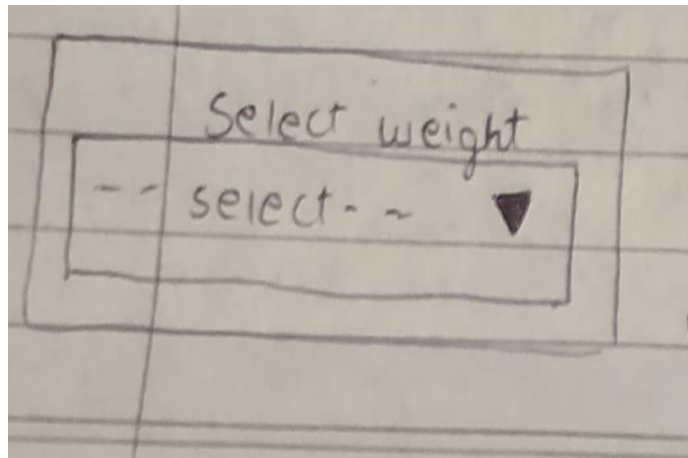
➤ Store locator

A hand-drawn form titled "Store locator". It contains a dropdown menu with the text "-- select --" and a downward-pointing triangle icon. The form is drawn on lined paper.

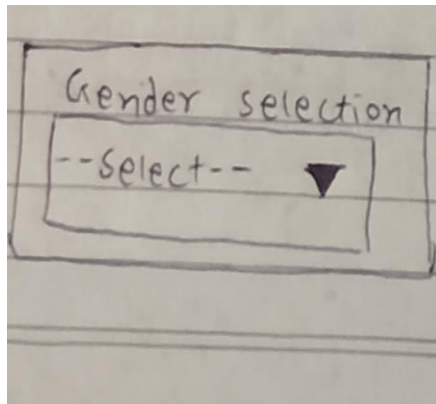
➤ Gift card



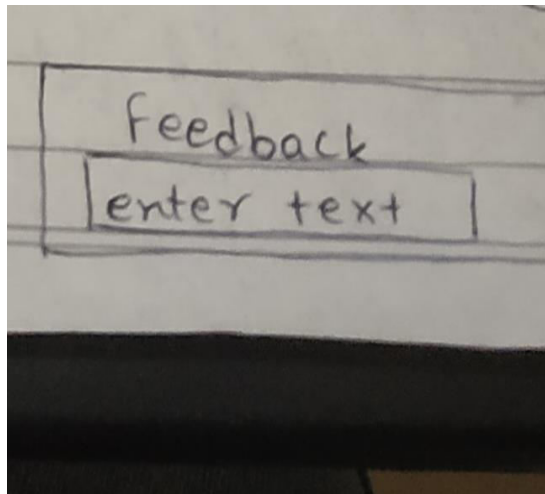
➤ Select weight



➤ Gender selection



➤ Feedback



3.2 Hardware Interfaces

This software requires 500-Megahertz CPU and 512 megabytes of RAM. A system with these specifications can handle a network of approximately 1000 edges and nodes. For bigger networks, additional memory is required.

3.3 Software Interfaces

Android studio (for android application)

XCode (for iPhone application)

SQL server (for database)

3.4 Communications Interfaces.

Communications can be done via email id or via calls.

4. System Features

This section demonstrates SHK's most useful and unique features and explains how they can be used and the results they will give back to the user.

4.1 User ID creation & Login.

This is the first page when the user wills download the software. In this screen there is a login window by default. If the person who has downloaded the software is already a user he/she can directly login to his/her id of the software. Otherwise user can create a new account and login. While creating the new id they will get the otp on their given phone number. When they will submit the

correct OTP then they can continue the process of making the new id. For the old user, if they have forgotten their login id OR password then they can click on the forgot password, forgot login details as per their requirements and can continue the further process and get back their details and login easily.

4.2 Metal Selection.

SHK provides this feature to the user so that they can select which type of jewellery they want to purchase (Gold / Silver). Here when user will select one option they will get the whole list of products in the selected option. User can select from here which type of jewellery they want to buy and directly can select the material from here.

4.3 Product Category.

This feature is provided to select which ornament or jewellery user want to view and purchase. Here user can select Bangles, anklets, rings, chain and many more products available from the store. Here user will get to see all the categories available in the software. And can select the category as per the preference.

4.4 Add To Cart.

This feature is for adding the products in the cart for the future reference. User can add or remove products from cart anytime whenever they want. User can add the products they like and can see them later from the cart.

4.5 Selection of City.

This feature is placed so that user can select the city where he/she is living and can get more details about the store. User will find different cities in the list and can select their own. select the city where you are visiting the store. Users have to select the city location from which city they are using it and which store they are going to visit.

4.6 Store locator.

This will open a map and there will be different pins on the map where the store is located in different part of the country. User can get full address, contact information by clicking in the pin.

4.7 Gift card.

This is a wallet type of feature. The more user will

purchase products from the application they will get points in this gift card and can redeem this points and win exciting rewards and use this points as discount as well. Gift card have points and which can be redeemed in future. It can be used to get offers and discounts for the product.

4.8 Net value.

This is a calculator in the software. If user wants to get the price of their old jewellery then they can use this feature. They can fill the details and get approximate value of their jewellery.

4.9 Gender Selection.

This feature will make shopping for customers. When user will select the option they will get to see all the categories of the selected gender and this will make their shopping more easier.

4.10 Weight Selection.

This feature is useful for selecting the weight category. User can set minimum and maximum weight limit for the shopping.

4.11 Feedback.

User can give their precious feedbacks here. This will allow them to give feedbacks and add text, audio, video type of content in their feedback.

4.12 Order Tracking.

User can track their order here. They have to fill the details and they will be able to track the order. The details will be sent to them via the given phone number while placing the order.

4.13 Help & Contact us.

This feature is provided because if user faces any difficulty related to the software they can contact us and get through it. It is the helping area of the store.

5 Other non-functional requirements.

5.1 Performance requirements.

SHK requires a system with at least a 500 megahertz CPU and 128 megabytes of RAM and an OPENGGL 1.2 compatible graphics card. In mobile devices it can run on every device which have os/ios version more than 2017.

5.2 Safety Requirements.

To ensure that no one of SHK's users loses any data while using SHK (due to a crash or a bug of some kind) the developer team updates SHK regularly. There is a bug tracker available where users can report any bugs they have encountered so that the developers can fix it in the next release.

5.3 Security Requirements.

SHK does not have any security requirements and thus any type of user can use it without any additional privileges.

5.4 Software Quality Attributes.

SHK provides the users with both simple and advanced features. Due to its well designed and easy to use interface it can be used by both experts and typical users. However, users must already have a basic knowledge of graphs before using it.