

A
SOFTWARE REQUIREMENT SPECIFICATION (SRS)
ON
“ONLINE BIDDING SYSTEM”

Submitted in partial fulfillment
Of the requirements of

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Software Requirements Specification

1. Introduction

Since the internet has become a popular place to buy and sell goods, online bidding services have made their way into most homes. Online bidding system is web based application, so the main advantage is that there is no more system compatibility requirement problem.

It's a real time bidding system for digital artifacts and collectibles where the autonomous system is managed dynamically. The user workflow closely integrated with product workflow. We use the finest state of the art technologies for the development of this MVP. The impeccable design and smooth but minimal flow gives a unique touch over others in the market.

1.1 Purpose

The purpose of the document is to collect and analyze all assorted ideas that have come up to define the system, its requirements with respect to consumers. Also, we shall predict and sort out how we hope this product will be used in order to gain a better understanding of the project, outline concepts that may be developed later, and document ideas that are being considered, but may be discarded as the product develops.

In short, the purpose of this SRS document is to provide a detailed overview of our software product, its parameters and goals. This document describes the project's target audience and its user interface, hardware and software requirements. It defines how our team and audience see the product and its functionality. Nonetheless, it helps any designer and developer to assist in software development lifecycle (SDLC) processes.

1.2 Scope

This Project investigates the entry threshold for providing a new auction service channel via the real options approach, where the entry threshold is established by using an Online

auctioning system designed for the use of normal users(individuals), Industrialists, Entrepreneurs, Organizations and Academicians.

Scope is divided into 3 parts

1.2.1 User Activities (generic activities of an end user)

- As user opens website he is directed to home page where he can register, login and see all products which he can bid on.
- User must have a valid User Id and password to bid on a product
- After the valid user logs in, he is shown the dashboard where he can manage profile and his orders and can bid on a product.
- User bid on a product according to timer running and minimal bid price, each time user bids on a product, the price of product is incremented by the predetermined unit of bid.
- User can pay the money using online banking.

1.2.2 Product Activities (administrator activities)

- Administrator must have a valid User Id and password to login to the super administrator page.
- Administrator is responsible for publishing the products.
- Administrator can dynamically manage products like add, delete and update products via super administrator page. Product can be found under given categories.
- Administrator can decide which product is to be shown in product list by activating or deactivating the product.

1.2.3 Automated Activities

- Products have ranking based on no. of bids. When user bids on a product, ranking of product is incremented by one.
- Product which has lowest/static rank for the long time will be deprecated from list.
- Administrator can take a backup of the database for every bid that is happening, periodically.
- All users are authenticated to avail the services.

1.3 Glossary

1.4 References

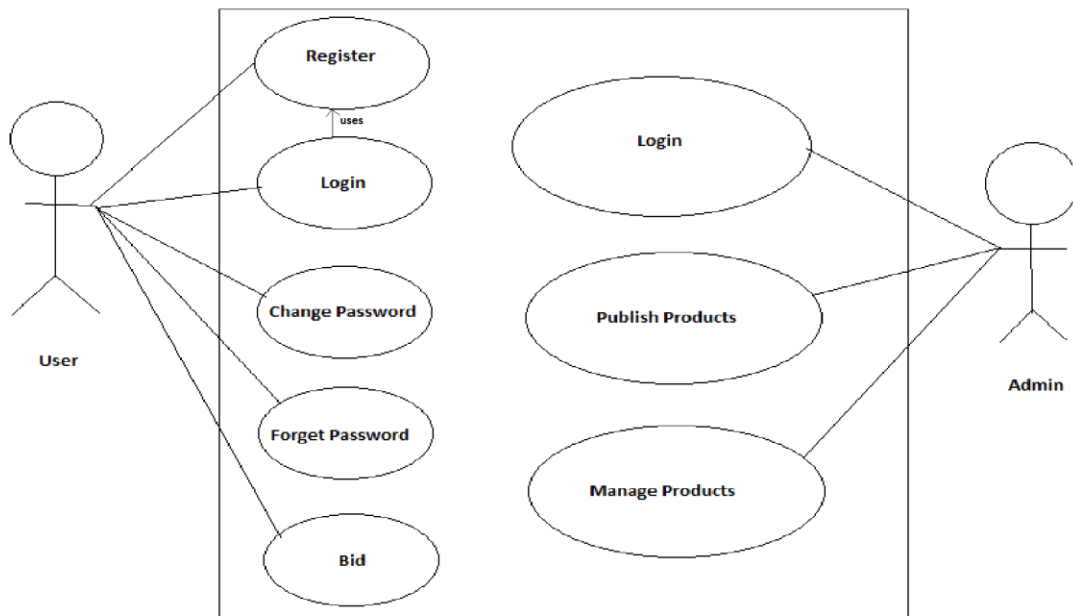
The references are:

1.5. Overall Description

- This SRS provides a substantial amount of information that can be utilized during the design and implementation stages of the software development. The document is organized into many sections and sub-sections that describe requirements for each respective element in the system.
- The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.
- The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.
- Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

2. Overall Description

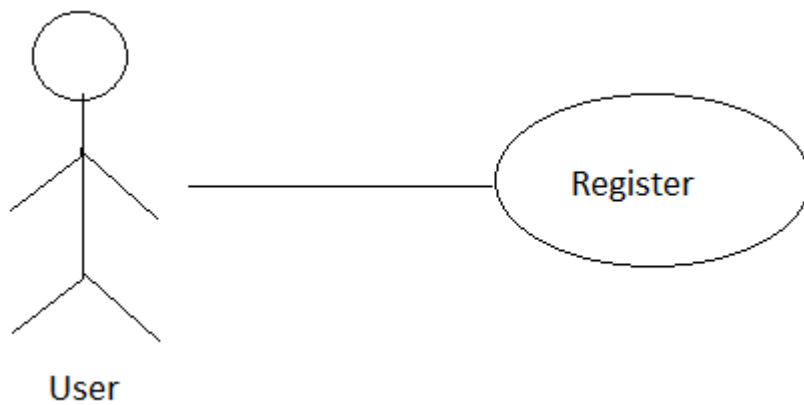
2.1 System Environment



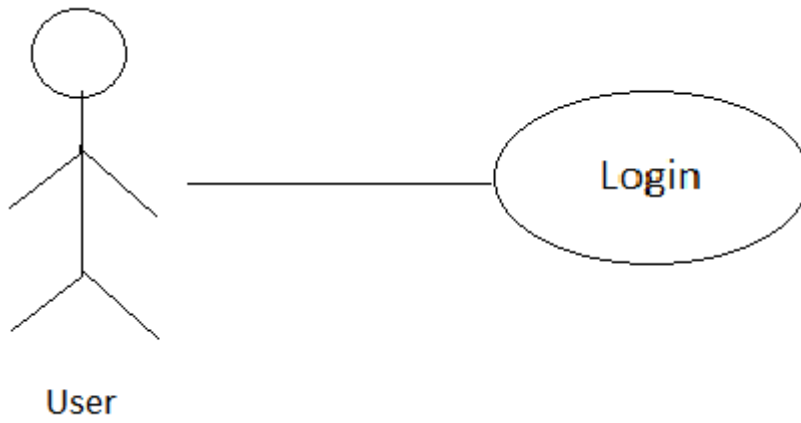
2.2 Functional Requirements Specification

2.2.1 User Use Case

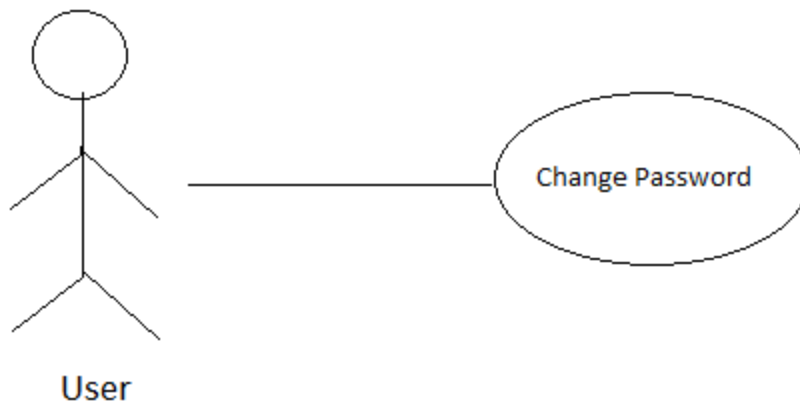
2.2.1.1 Use Case: Register



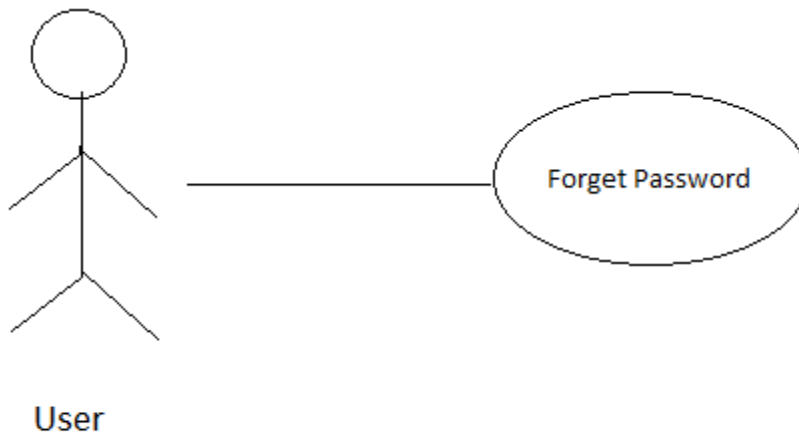
2.2.1.2 Use Case: Login



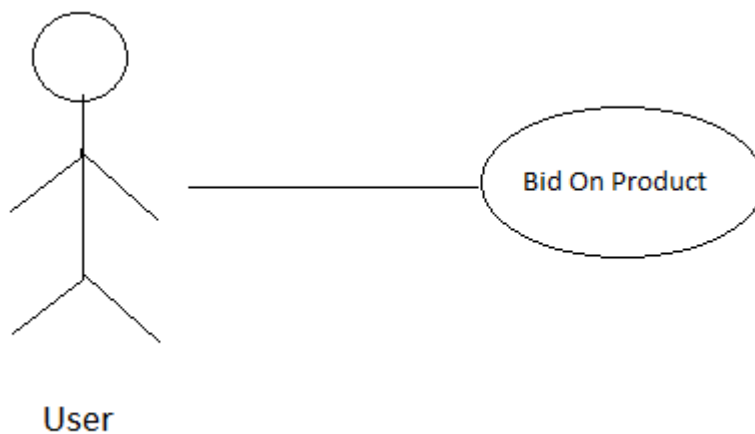
2.2.1.3 Use Case: Change Password



2.2.1.3 Use Case: Forget Password



2.2.1.3 Use Case: Bid on Product



2.2.1.3 Use Case:

2.3 User Characteristics

A pre-requisite of users will be of course that they have basic internet and online skills in order to register, place bids and begin their own auctions.

The user interface will make this simple with its straight forward and user-friendly style and layout that will be designed to suit newer users as well as those who are familiar and more advanced.

The site will be intended to be used by a wide range of people from all age groups from inexperienced to experienced internet users. Therefore it will be compatible with most common web browsers and the windows operating systems as this will most likely be the software and programs used by the majority of users.

3.0. Requirements Specification

3.1 Functionality

3.1.1 Home Page

- This function allows both registered and unregistered users to browse all the auctions currently running on the site. The title of each auction will be presented on the browse page with a link to the full description and optional image of the item.
- Note that a user must register for the site in order to place a bid or have any input to the auction.

3.1.2 Register

- This allows someone that is not a currently registered user to enter their details and create a unique user name. A form is presented to the user that they must complete before it can be submitted. The information required from all users includes: first name, last name, password, contact number(s), email address (must be unique).

3.1.3 Login

- Allows user to login to his customizable profile in which user can manage his orders and bid on a product he is viewing.

3.1.4 Change Password

- Allows user to change his password for individual's security issues.

3.1.3 Forget Password

- Allows user to retrieve his password on the basis of security questions in case user has forgotten his password.

3.1.3 Dash Board

- Allows user to edit his profile, manage his orders, bid on products.

3.2 Detailed Non-Functional Requirements

3.3.1 Usability

3.3.2 Accessibility

3.3.3 Reliability and Availability

3.3.4 Performance

3.3.5 Security

3.3.6 Interface

3.3.7 Licencing Requirements

3.3.8 Legal Copyright and other notices