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**Team J**

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**QuikBid  
Software Requirements Specification  
For E-Bidding System**

**Version 1.0**

QuikBid	Version: 1.0
Software Requirements Specification	Date: 15/10/24
SR-1	

## Revision History

Date	Version	Description	Author
15/10/24	1.0	Initial Draft	Arihant, Azim, Rahat, Ivan, Tej

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SR-1	

## Table of Contents

1.	Introduction	4
1.1	Purpose	4
1.2	Scope	4
1.3	Definitions, Acronyms, and Abbreviations	4
1.4	References	4
1.5	Overview	4
2.	Overall Description	4
2.1	Use-Case Model Survey	5
2.2	Assumptions and Dependencies	5
3.	Specific Requirements	5
3.1	Use-Case Reports	5
3.2	Supplementary Requirements	5
4.	Supporting Information	5

QuikBid	Version: 1.0
Software Requirements Specification	Date: 15/10/24
SR-1	

# Software Requirements Specification

## 1. Introduction

### 1.1 Purpose

This document details the software requirements of a platform where individuals and small businesses can list items for sale or rent, set asking prices, and accept bids. It will define the high level architecture of the application, outline key functionalities such as secure transactions, user roles and user ratings.

### 1.2 Scope

This document defines the database, frontend, and backend services necessary to provide safe and secure transactions between users/guests.

### 1.3 Definitions, Acronyms, and Abbreviations

Viewer (V), User (U), SuperUser (S)

### 1.4 References

N/A

### 1.5 Overview

This document will provide an overview of the system's functionality and behavior, as well as the requirements necessary for design and testing.

## 2. Overall Description

### 2.1 Use-Case Model Survey

- Visitors: Can browse listings from other users and comment, can apply to be a registered user
- Users: Deposit and withdraw money from own account, can list any items/services s/he owns with a listing price, list the price range that is accepted, can also bid on any time s/he is interested in but must have an adequate amount of money to qualify, decides which user s/he is selling or renting to, delist any time, rate another buyer after purchase
- Super Users: Handles complaints from registered users after purchasing/renting item/service, can re-activate registered users who were suspended, handle user request to quit the system

### 2.2 Assumptions and Dependencies

- The system assumes a reliable internet connection for users to interact with the platform
- Payment gateways such as Stripe and PayPal will be integrated for financial transactions

QuikBid	Version: 1.0
Software Requirements Specification	Date: 15/10/24
SR-1	

### 3. Specific Requirements

#### 3.1 Use-Case Reports

Use Case 1: List Item

- Actors: User
- Description: A user can list an item for sale or rent, with details on its price and condition

Use Case 2: Place Bid

- Actors: User
- Description: A User can place a bid on an available item. The system verifies sufficient funds in the user's account before placing the bid.

Use Case 3: Transaction Complete

- Actors: User, Super-User
- Description: When a bid is accepted and marked completed, the system processes the transaction, transferring funds from the buyer to the seller

Use Case 4: User Rating

- Actors: User
- Description: After a completed transaction, both the buyer and seller can rate each other, which can affect user privileges and can lead to penalties.

#### 3.2 Supplementary Requirements

All user information will be stored securely within our database and the system should be able to respond to the user's action within a short time frame. Additionally, our service will help our users track their buying/selling progress to provide a comprehensive overview of their financial activities.

### 4. Supporting Information

N/A