JAMX Co.

Assigned Team # 10

<An Electronic Business System> Software Requirements Specification For <Subsystem or Feature>

Version <1.0>

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Revision History

<mm/dd/yyyy>	Version	Description	Author
03/24/2019	<1.0>	First version of the eBusiness platform.	Xue Ru Chen, Anjana Rajan, Moiya Josephs, Janice Ma

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mini-eByMazon	Version: <1.0>
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Software Requirements Specification

1. Introduction

This section introduces and outlines the purpose, scope, definitions of certain terms, and overview of the development of this application. It also provides a detailed explanation on the various aspects of the application for a deeper understanding about the functionalities.

1.1 Purpose

The purpose of this Software Requirements Specification is to document the fundamental components of the mini-eByMazon application. It will thoroughly describe the development, purpose, and scope of this software while emphasizing the key features of this application. Furthermore, this document will provide a complete description and illustration on the external behaviors, requirements, and other factors that were considered. Moreover, this document defines the functionalities and ideas considered during the development of this application.

1.2 Scope

Mini-eByMazon application is a GUI-based mobile application which provides a very user-friendly, secure platform for users to bid, buy, and sell items. The application is predominantly targeted to be used by three types of users: superusers (SU), ordinary users (OU), and guests (GU). This application comprises of accounts, the database to store user's information, items with pictures, ratings, and a search engine integrated with the application for the user to search for specific items of interest.

Each type of user has specified roles, advantages, limits, and restraints to ensure a convenient and unproblematic platform. For example, a superuser can decide on who to accept as an ordinary user. Furthermore, superusers would be able to send warnings to ordinary users who received complaints or low grades based on the ratings they received. To summarize, superusers process, supervise, coordinate, and manage the application. Guests on this application would be able to search for items and register to become an ordinary user (with the superuser's approval). Lastly, ordinary users can purchase, propose to sell an item, rate or grade other ordinary users, and maintain a friend list to find best offers for the items of interest. Regardless of the type of user they are, all users would have to provide basic information to bid, buy, or sell.

Mini-eByMazon needs the Internet connection to update on transactions, searches, purchases, personal information, information on items, and sales. All information and details on users, items, transactions, and others would be stored in a database. Furthermore, each item on this application would require a title, at least one picture, and a brief description on the features and functionalities of the item.

1.3 Definitions, Acronyms, and Abbreviations

Term	Definition
GUI	a type of interface that allows users to interact with the use of icons, windows, buttons, and graphics.
Keyword	is a word that is reserved by the program for its' special or unique meaning.
Users	a person who utilizes the application
OU	is the term used for ordinary users who can purchase items, propose to sell an item, rate or grade other items, and maintain a friend's list to receive best offers.
GU	is the term used for guests who can search for items of interest and submit applications to become an ordinary user.
SU	is the term used for superusers who supervise, process applications and item information, process complaints, coordinate, send warnings to ordinary users, remove ordinary users, collect transaction statistics, and maintain a taboo list with inappropriate words or phrases.
Use-Case Diagram	demonstrates the different ways users can interact with the application
Application	is a software program developed to complete specific tasks, functions, and/or activities
Database	is an organized collection of data to store information

1.4 References

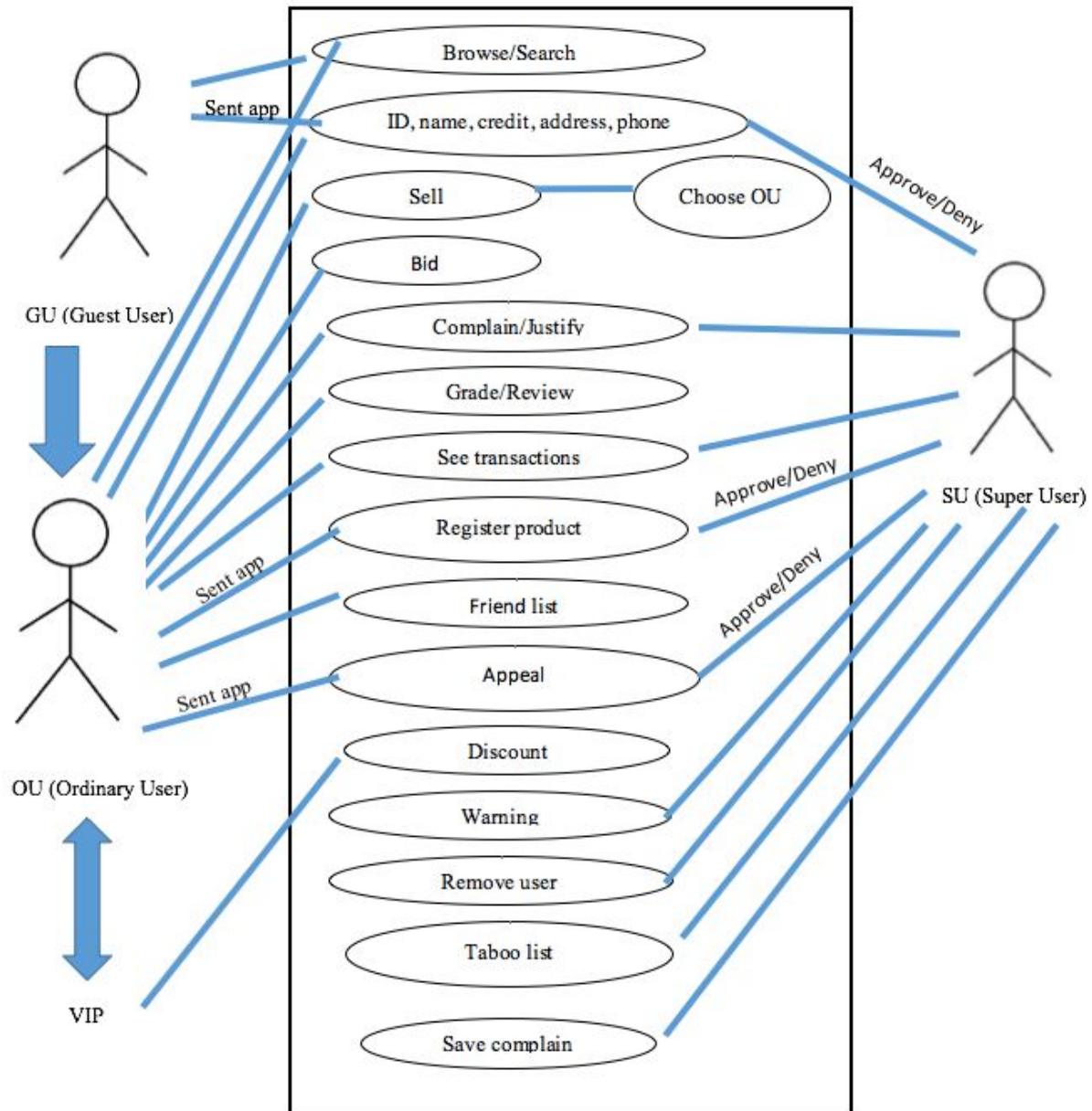No references used.

1.5 Overview

The rest of the document extensively explains about the various fundamental aspects of this application. The other chapters of this Software Requirements Specification include the overall description, specific requirements, and supporting information.

The overall description chapter include the Use-Case Model Survey and the various assumptions and dependencies that shape the development of this application. The specific requirements include the Use-Case Reports and the supplementary requirements. Finally, the last chapter includes the Index.

2. Overall Description

This section is a summary of the software. The system will be defined by the various users of the platform and how they each interact with each other and the general system. In addition, the constraints and assumptions for what the system will be used for is also given.

2.1 Use-Case Model Survey

GU (Guest User)

OU (Ordinary User)

VIP

SU (Super User)

Browse/Search

Sent app

ID, name, credit, address, phone

Sell — Choose OU

Approve/Deny

Bid

Complain/Justify

Grade/Review

See transactions

Approve/Deny

Register product

Sent app

Friend list

Appeal

Approve/Deny

Sent app

Discount

Warning

Remove user

Taboo list

Save complain

2.2 Assumptions and Dependencies

This product is assumed to be used on a browser that is capable of performing all the web interactions. Another assumption is that the platform with be used by people who intend to buy and sell certain products. All buyers and sellers should be legit customers and sellers who want to conduct genuine business. Without this the program will not work as intended.

3. Specific Requirements

This section provides the Use-Case Report along with the supplementary requirements for a deeper understanding of how this application will be organized and designed.

3.1 Use-Case Reports

There are three types of users that will use the e-business system. Guest users (GU), Ordinary users (OU) and Super users (SU). Each user has different features available to them.

Use-Case

The GU are able to browse/search the available items for sale. They also can send an application to become a OU which is then processed by the SU and then either accepted or declined.

The OU are able to browse/search as well as bid and sell. OU can rate and grade products. OU can file a complaint against users whose evaluated grades are lower than 2, this is only determined when at least three different evaluators. The OU will receive warnings that they will be suspended and given the option to appeal or resign. OU can see transactions and so can the SU. In order to sell a product, the product needs to first be registered where the SU can approve or deny.

SU's also collect transaction statistics for a period of time or based on a particular OU. They also maintain a list of words that cannot be used in either OU names and/or the items they sell. If these terms are violated SU have the right to send a warning to the user. An OU's profile should

be customized to them based on past searches and purchase records. By default, popular items are also available for display.

The creation of profiles and application process of both the OU and GU are both reliant on the SU involvement. Complaints and justifications, transaction statistics from GU's and OU's are processed by SU.

3.2 Supplementary Requirements

Some supplementary requirements for OU is that they can keep a friendlist where they can give discount to, and message every OU can be friend with another OU.

Every OU can submit purchase intention, if no such item is found, they will get a notification when the item is available.

Every OU can change their password, name, address, phone number and credit card number, but not their unique id.

Every OU can be promoted to VIP (receive discounts) under two circumstances:

> 1) If their rating is >= 4 and have at least 3 different OU's reviews.

> 2) Spend 500 without warning.

> They will be back to OU if:

> 1) Receive 1 warning

> 2) Have 1 below 4 star review

Every OU can see transaction history of their own, but SU can see transaction base on a period of time or a particular user.

SU can save or remove complains and when an OU have 2 saved complains, they will be warned once. SU can also warn an OU when their average rating falls below 2 stars and they have at least 3 different OU's reviews. When an OU is been warned twice, they will be suspended.

SU keep a list of name of OU who got suspended for future reapplication, they will also keep a list of blocked item.

After a OU got suspended they can still log in for the last time and their account will be deleted afterwards.

4. Supporting Information

This section allows the Software Requirement Specification to be more organized by including a table of contents, page numbers, and index for extra information.

4.1 Index