
Group 6

**eByMazon
Software Requirements Specification
For eBusiness Platform**

Version <1.0>

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

Revision History

Date	Version	Description	Author
25/Mar/2019	<1.0>	Final Draft	Group 6

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

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	5
2.1 Use-Case Model Survey	5
2.2 Assumptions and Dependencies	6
3. Specific Requirements	7
3.1 Use-Case Reports	7
3.2 Supplementary Requirements	88
4. Supporting Information	99

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

Software Requirements Specification

1. Introduction

eByMazon is an eBusiness platform where users are able to buy and sell items. Users are able to register an item on sale at a fixed price or open for bidding. Other users can then purchase the item at the fixed price or place a bid. The item will be sold to the user who posted their intention to buy the item first will in the case of a fixed price or be sold to the user with the second highest bid in the case of being open for bidding.

1.1 Purpose

The purpose of the eByMazon eBusiness platform is to allow responsible users to easily buy and sell products reliably. Users will be rated by other users and registration is reviewed by administrators to ensure they are trustworthy. The system ensures all products are appropriate and safe to sell through the reviewing by system administrators. eByMazon also provides users with cheaper products through VIP discounts and maintains buyer/seller relationships through a friend list discount.

1.2 Scope

The scope of eByMazon ranges from the casual online consumers to small businesses to large trading corporations that are looking to buy or sell products in either a fixed price or a bidding system. The system combines the convenient features of eBay and Amazon into one. Individuals looking to sell an item are able to sell to other individuals or companies and companies are able to sell an item to other companies or individual consumers.

1.3 Definitions, Acronyms, and Abbreviations

- Actors: users of the system.
- SU: Super Users. The site administrators and moderators who manage the application
- OU: Ordinary Users. The users who participate in Bidding/Selling in the application
- GU: Guest Users. Guests are only able to browse, search, check price of items.
- Django: a high-level Python Web framework that encourages rapid development and clean, pragmatic design and takes care of much of the hassle of Web development.
- eBusiness platform: A electronic business system. Online equipment and tools that a business uses to conduct business on the internet.
- VIP: Very Important Person. VIP status used to differentiate from normal users and receive a special discount.

1.4 References

Django: <https://www.djangoproject.com/>

Software Requirements Specification template: http://www-cs.engr.ccny.cuny.edu/~csjie/322/spec_sample.pdf

eByMazon project requirement list: http://www-cs.engr.ccny.cuny.edu/~csjie/322/s19/proj_spring19.docx

1.5 Overview

The rest of the specification report describes the eByMazon system. The user interaction with the features with the eByMazon system is represented in a use-case model and the features are described in the use-case model survey.

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

2. Overall Description

eByMazon is an eBusiness platform where users are able to buy and sell with each other at a fixed price or in a bidding system. eByMazon is used by individuals who are looking to buy consumer products in a fixed price or sell rare items to other individuals. eByMazon also is used by businesses to sell their products or buy tools and equipment from manufacturers.

Its main features compose a bidding system, fixed price system, user and item processing system, a user rating system, a taboo word list system, a wish list, a friend list, and VIP and friend discount systems. The bidding system determines the best profit for the seller while making the buyer comfortable of paying through the second price auctions where the second highest bid is chosen for the price. Items are processed through administrator review and a taboo list and when deemed appropriate and safe, the user can either sell at a fixed price or in an open bid. All users are processed by administrators and rated by other users to ensure quality and trustworthy buyer and sellers. Users above a certain rating or spends a certain amount become a VIP user and receives a VIP discount. Users are able to wish list an item that is not available in the system and be notified when the item is added. Users are also able to add or remove each other to their friend lists and receive a discount with each other.

There are three types of users in the eByMazon system: superusers (SUs), ordinary users (OUs) and guests (GUs). OU composes of consumers, private sellers, businesses, and VIP users. SU composes of the site administrators. GU composes of the visitors who either visit the site for the first time, are window shopping online, or looking to apply for an account to buy or sell items.

eByMazon will be built on Django, a web framework using python, with a database of users and items.

2.1 Use-Case Model Survey

Actors:

- Super Users (SU): Administrators and moderators who to manage the application.
- Ordinary Users (OU): Users who participate in Bidding/Selling in the application
- Guest Users (GU): Guests are only able to browse, search, check price of items.

Use-cases:

- User Registration
 - o GU: Submit application to be an OU, including unique id, name, valid credit card number, address, phone number.
 - o SU: Process the application and decide who should be OU and who should be denied.
- Browse/Search Items
 - o GU: Browse/search available items based on title, keywords, price (fixed or a range for bidding) and ratings.
 - o OU: Can also browse/search available items.
- Purchase/Buy Items
 - o OU: Can sell item posted for a fixed price or sell in an open auction. OU can also buy items for the fixed price or submit a bid in the auction.
- File Complaints
 - o OU: File a complaint against certain OUs or explain any complaint received from others.
 - o SU: Process complaints sent by OU.
- View Transactions
 - o OU: See his or her own transaction history
 - o SU: View other OUs transaction history and collect statistics for a certain period or for a certain OU.

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

- Remove Users
 - o SU: Remove and OU based on judgement. Deletes OUs account after they log in one last time to settle matters.
- Manage Account
 - o OU: Edit account information such as changing his/her password, name, address, phone and credit card number, but not the id. Add/remove items to wish list, add/remove friends to friend list.
 - o SU: Edit OU account information. Can add or remove complaints and warnings on OUs account.
- Taboo Word List
 - o OU: Any OU's keywords/name or items containing taboo words will be replaced by *** and the OU received one warning and required to change the word next time s/he logs in.
 - o SU: Maintain a taboo list with all inappropriate words
- Send Warnings
 - o OU: Receive warnings from SU for justified complaints.
 - o SU: Send warnings to OUs who received two justified complaints, or the average grade are lower than 2 with at least 3 different evaluators.
- Rate Users
 - o OU: Grade an OU after buying an item from him/her, 0 being the worst and 5 being the best. An OU who has submitted too many low ratings, three 0 or 1 ratings in a row, or high ratings, three 5 ratings in a row, will be warned by SU as possible reckless graders.
- Item Registration
 - o OU: Submit to SUs the information (title, key words, price nature, at least one picture) of the item(s) s/he wants to sell.
 - o SU: Process the item information the OUs submitted intending to sell, some can be publicly available on the platform and some may be denied with justifications.

2.2 Assumptions and Dependencies

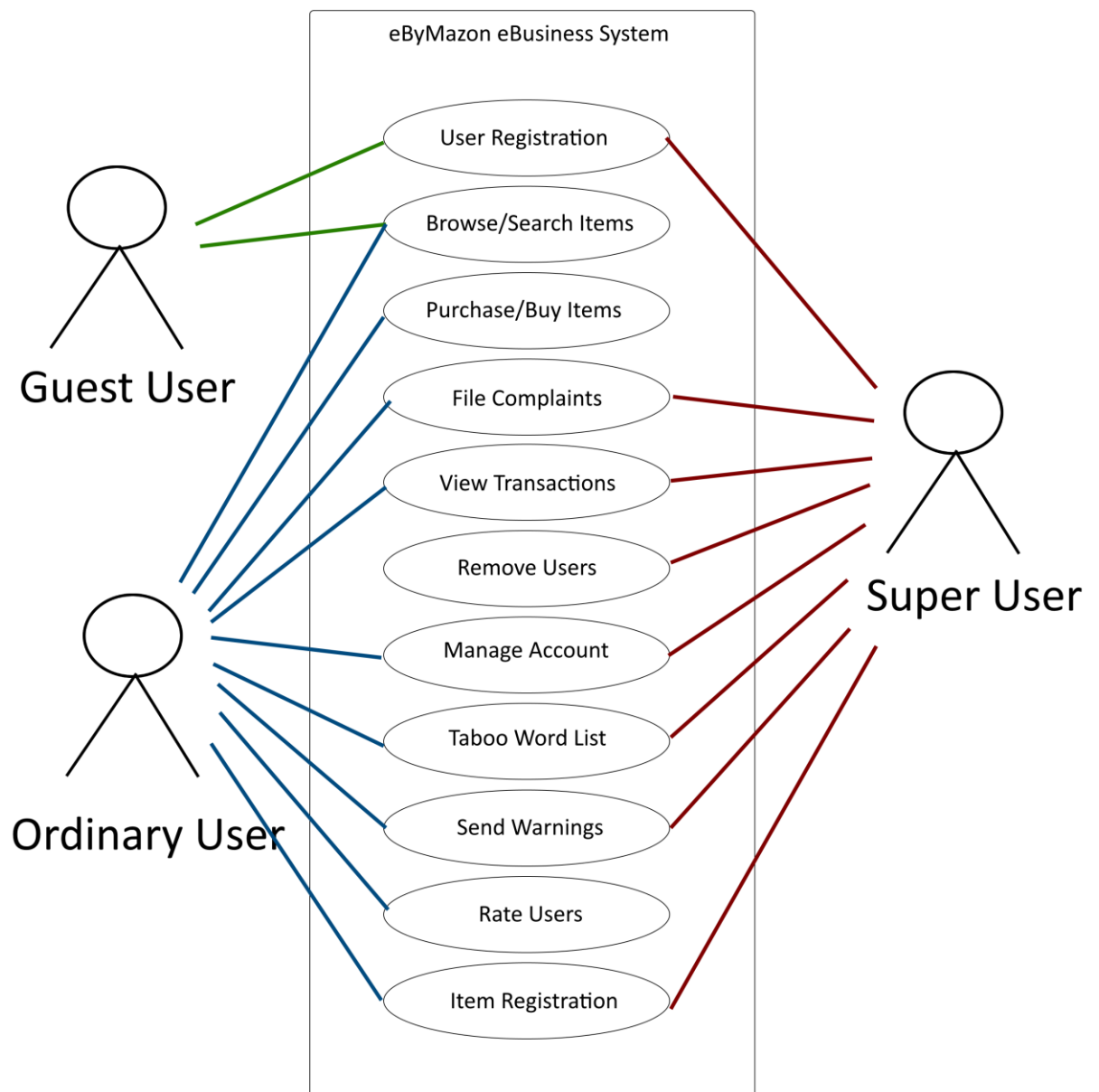
The eBayMazon eBusiness platform relies on Django to run. We assume that the web framework, Django, functions properly as intended such as taking care of user authentication, content administration, site maps, and be extremely scalable. eBayMazon also relies on a large database to contain user information and item information. We also assume that Django's database model feature is an actual database server. A web server is also needed to host the eBayMazon website on. Since we do not have money to host a server, we assume that the localhost that eBayMazon will run on is an actual web service.

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

3. Specific Requirements

eByMazon requires Django and python3 to run. Django is required to host the website and database for eByMazon and python3 is required to write the code for the system using Django. Github is also required for the collaboration to build the eByMazon system.

3.1 Use-Case Reports



eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

3.2 Supplementary Requirements


Some features that not included in the use-case model are:

- User profile: a customizable user profile that can be viewed by other users. Includes a profile picture, description, rating and user evaluations, and user comments.
- Watch list: a list of bidding items where the user will be notified of how much time the bidding time ends for each item.
- Shipping estimator: a function to estimate shipping costs depending on the item weight, size, and preferred postal service.
- Item filter: items are tagged with different categories and can be filtered in the item search.
- Favorite list: List of sellers on a list for easy access for returning customers. Users are notified when sellers on the list puts a new item on sale.

eByMazon	Version: <1.0>
Software Requirements Specification	Date: 25/Mar/2019
<document identifier>	

4. Supporting Information

eByMazon mock-up home page:

eByMazon		Search	Advanced Search		Login
----- some navigation buttons -----					
<div>Friend List</div> <div>-----</div> <div>-----</div> <div>-----</div> <div>-----</div>	<div>Recommended Items on Sale</div> <div> <div></div> <div></div> <div></div> </div>				
	<div>Recommended Items on Auction</div> <div> <div></div> <div></div> <div></div> </div>				
	<div>Popular Items</div> <div> <div></div> <div></div> <div></div> </div>				
	<div>Lastest Arrivals</div> <div> <div></div> <div></div> <div></div> </div>				