

STAMPS-R-US BUSINESS REQUIREMENT



IS 623
LINDA ZENG

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Stamps-R-Us Business Requirement Document

- **Background/Intro**

Stamp collectors are an often overlooked niche market where the customer base is stable with almost guaranteed repeat customers. Between the auction behemoth that is eBay and general estate auction sites such as Trocadero and Ruby Lane, there is currently a vacuum in the e-auction sphere purely for stamp collectors. The long-term vision of Stamps-R-Us is to become the first and largest auction site and gathering place for stamp enthusiasts and collectors.

- **Scope**

The scope will establish guidelines for building the core site functionalities of buying and selling stamps. The site will use a proprietary rating system for all sellers. The site will allow members to offer their stamps for sale. The site will establish a system to pay sellers as well as take payments from stamp buyers. As the company relies on online payment systems, good security for online transactions is essential to the project.

- **Change/revision log**

Changed by	Title	Date
Linda Zeng	Initial Document	5/3/2017
Linda Zeng	2.1.1.1. Revision	5/5/2017

- **Goals**

Stamps-R-Us has the long-term goal of establishing itself as the first of its kind online trading platform for stamp collectors and enthusiasts. The company aims to become the first stop for collectors wishing to buy or sell stamps online.

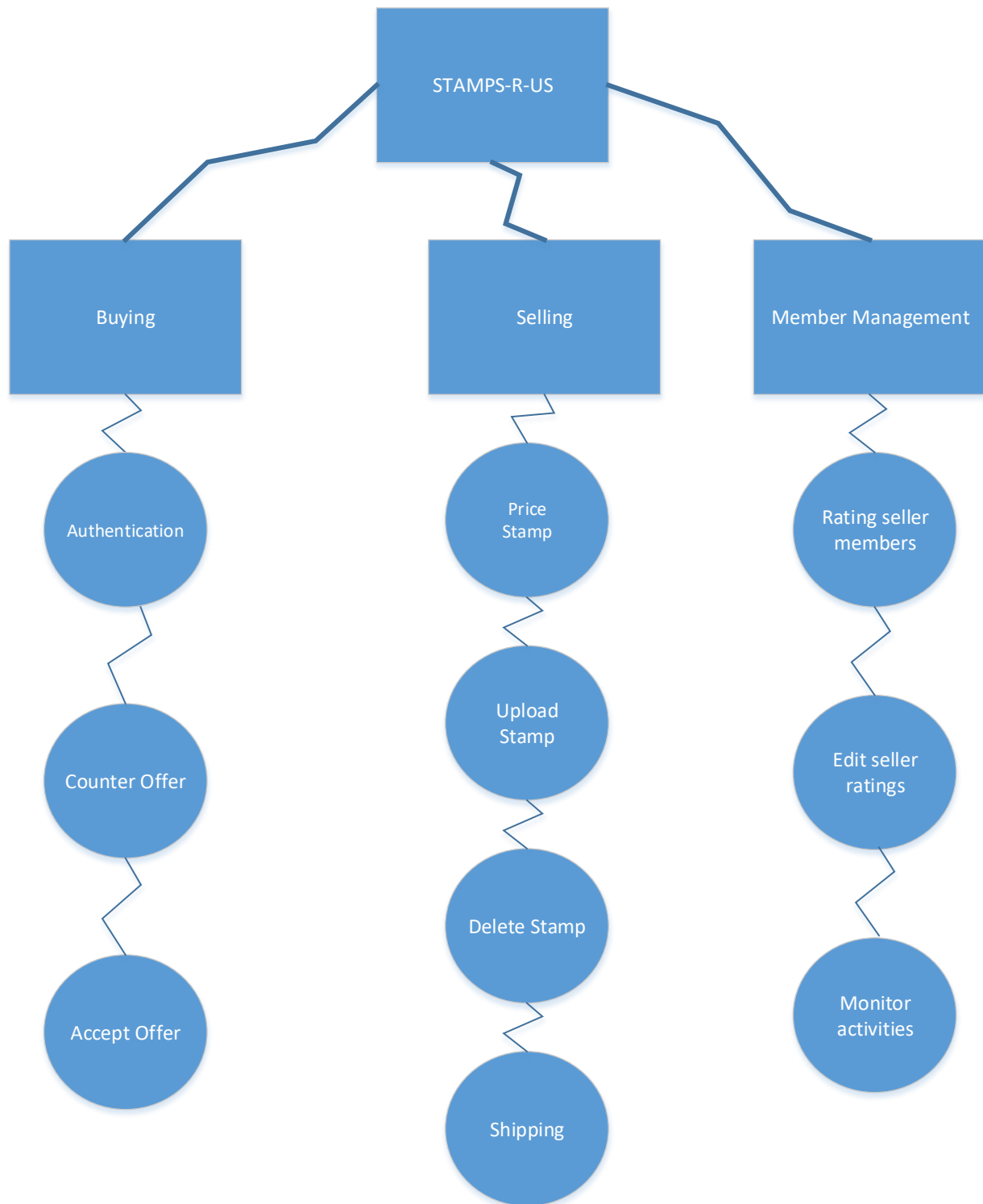
- **Objectives**

To build a secure website to complete sales transactions and to store member information.

To build a system to allow the owner of the company to buy undervalued stamps and to sell them at or above market value.

To build a system to authenticate incoming inventory.

- **Decomposition**



- **Functional Requirements**

- 1.0 Buying

- 1.1 Authentication

- 1.1.1 The system will put in place a functionality to authenticate stamps

- 1.1.2 The system will allow for authentication prior to accepting seller offer

- 1.2 Accept offer

- 1.2.1 The system will allow a functionality whereby seller's offer could be accepted

- 1.3 Counter offer

- 1.3.1 The system will allow counter offers to be made

- 2.0 Selling

- 2.1 Price stamps

- 2.1.1 The system will put in a place a formula for pricing stamps

- 2.1.2 The system will have said formula additionally take into account for stamp condition and stamp market forces

- 2.2 Upload stamps

- 2.2.1 The system will allow user to upload stamps for sale

- 2.3 Delete stamps

- 2.3.1 The system will allow for user to delete sold stamp listings

- 2.4 Ship stamps

- 2.4.1 The system will allow for employee users to create shipping labels for sold items

- 3.0 Member Management

- 3.1 Rating seller members

- 3.1.1 The system will rate potential members via proprietary rating system out of 5 stars

- 3.2 Edit seller ratings

- 3.2.1 The system will log offenses against seller ratings

- 3.3 Monitor member activities

- 3.3.1 The system will allow for moderator functionality to monitor member comments for each stamp listing

- 3.3.2 The system will allow moderators to flag and delete comments

- 3.3.3 The system will log offense against member rating

- **Non-functional requirements**

- 1. The system shall allow for members to select their username one time

- 2. The system shall provide data encryption

- 3. The system shall use SSL (encryption for the website)

- 4. The system response time must fall within 5 seconds

- 5. The system shall be user friendly, easy to use

6. The system shall have above industry standard data storage system and backup

- **Risks**

1. Security of payments transaction processing.
2. Instability to credit card processing.
3. Inadequate data storage.
4. Inexperienced developers for niche market website.
5. Too many add-on functionalities delaying launch date.

- **Constraints**

1. Turnaround time for functioning website.
2. Scope creep at company's early stages.

- **Out of Scope**

1. Payments to sellers will be processed via Accounts Payable at sister company; no separate payment system will be created.
2. No third-party sellers or buyers, the site is the sole trading platform.
3. Only purchase of stamps allowed. No consignments will be accommodated.

- **Stakeholders**

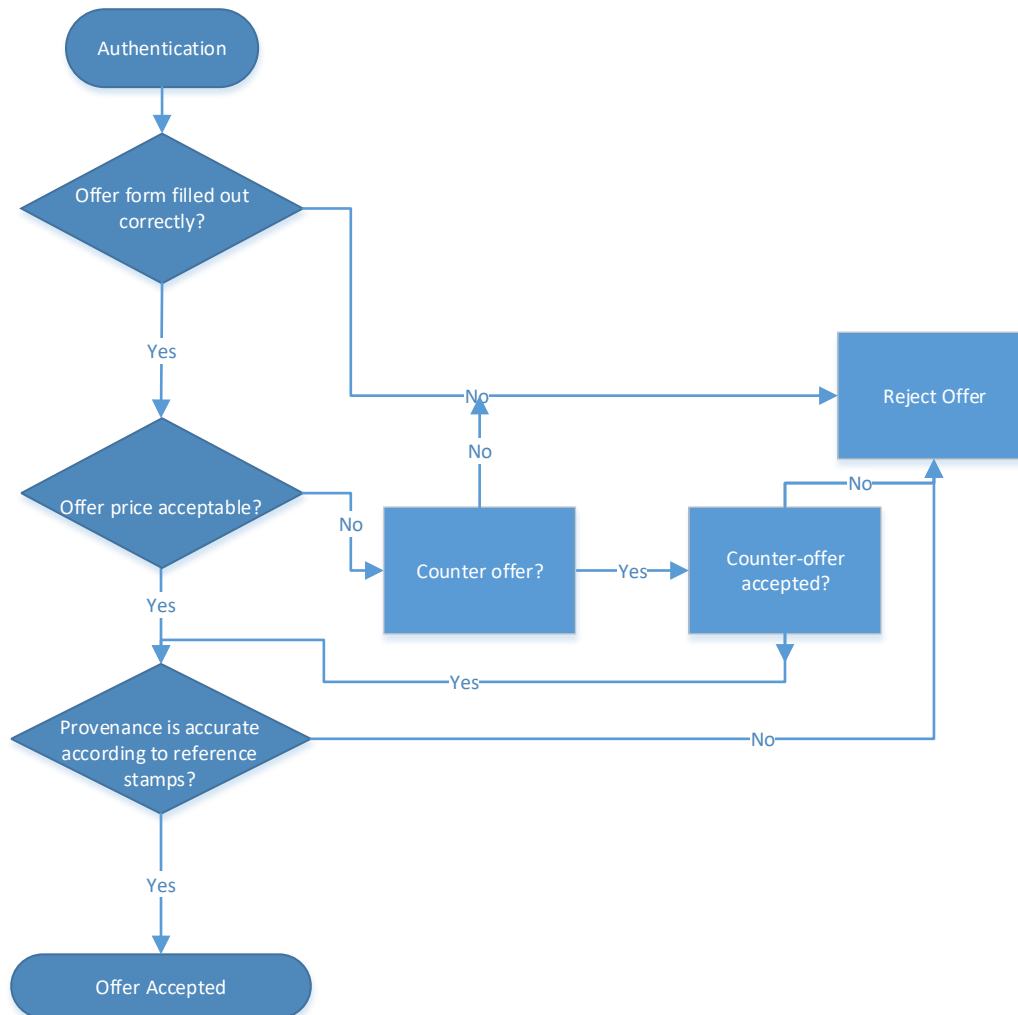
CEO, investors, future advertising partners

- **Approvals**

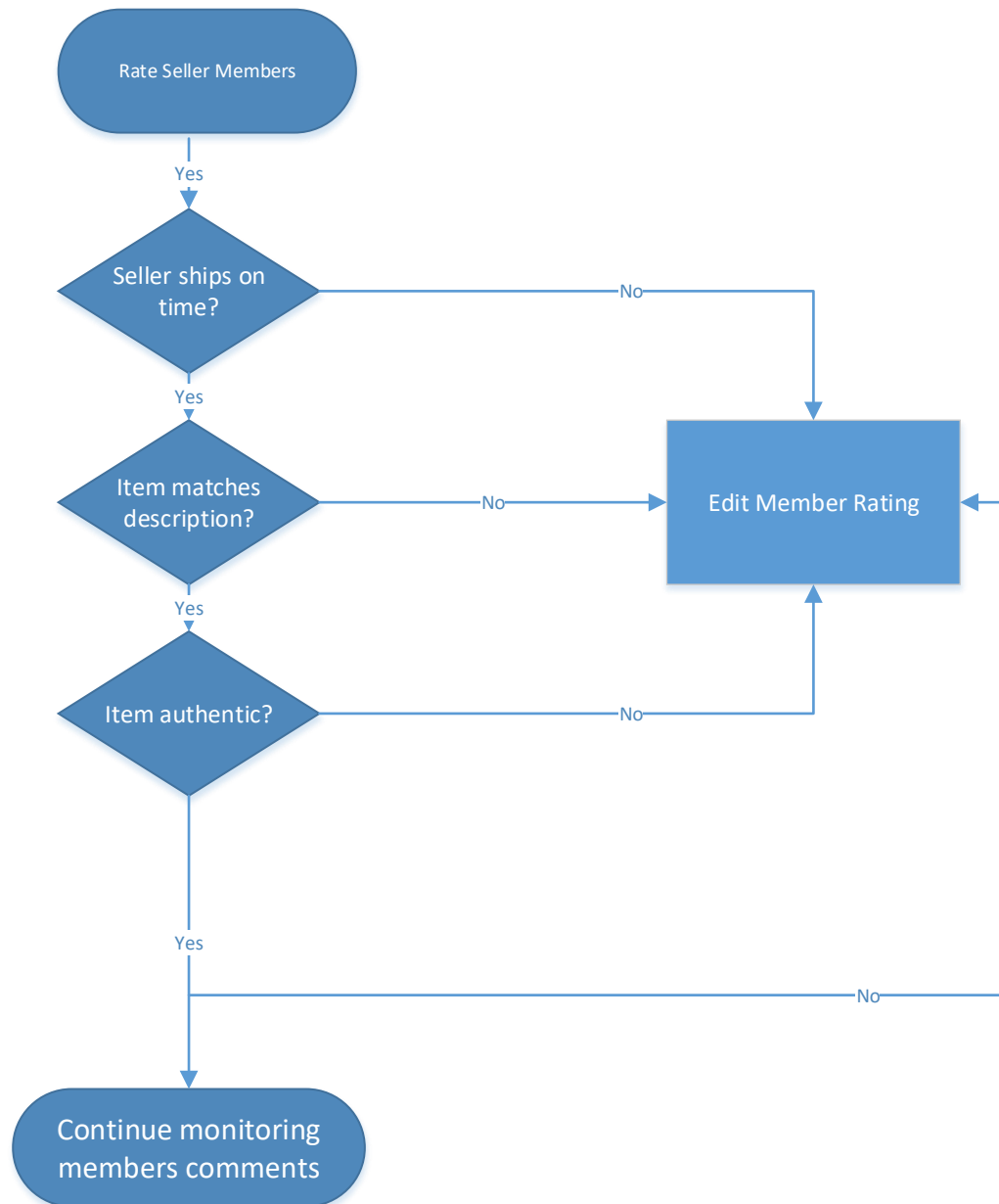
Actor	Approval	Date	Comments
Sam Sheppard	Approved	5/6/2017	Looks great; proceed

Process Flow

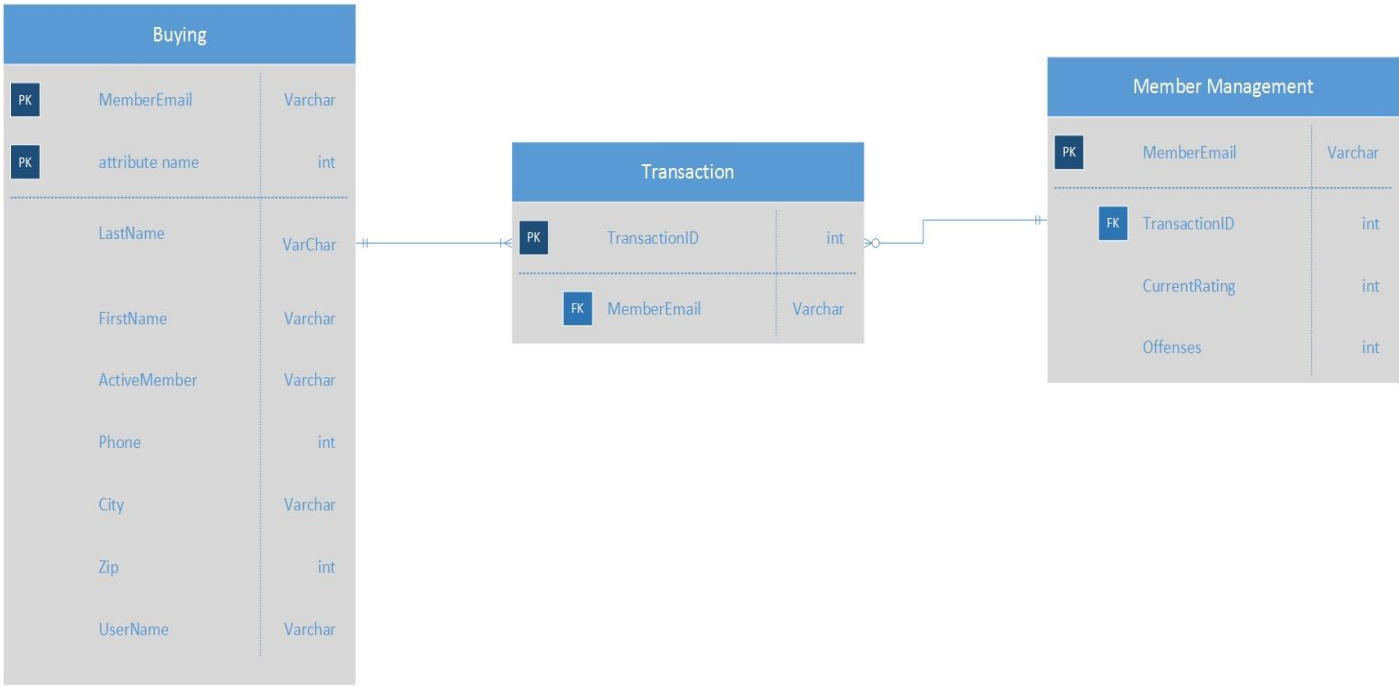
1.0 Buying



3.0 Member Management



Data Model



Buying Form

Member

Transaction ID 2015611

Smith John

281873737

219 18th street

New York NY 12828

Invoice Date 5/5/2017

Total Due

Description	QTY	Price	Line Total
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<input type="text" value="1920 British Red"/> <input type="button" value="v"/>	<input type="text" value="1"/> <input type="button" value="▲"/> <input type="button" value="▼"/>	<input type="text" value="100"/>	<input type="text" value="100"/>
<input type="text"/> <input type="button" value="v"/>	<input type="text"/> <input type="button" value="▲"/> <input type="button" value="▼"/>	<input type="text"/>	<input type="text"/>
<input type="text"/> <input type="button" value="v"/>	<input type="text"/> <input type="button" value="▲"/> <input type="button" value="▼"/>	<input type="text"/>	<input type="text"/>
<input type="text"/> <input type="button" value="v"/>	<input type="text"/> <input type="button" value="▲"/> <input type="button" value="▼"/>	<input type="text"/>	<input type="text"/>

Member Management dashboard

MemberID	Member Name	Rating	Offenses
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Use Case 1:

Buying form

Line #	User action	System action
1	User clicks Buying Form option from menu	Displays Buying Form screen header and Item detail
2	User selects Customer Name from drop-down on header screen	Displays customer name and detail
2	User enters Member ID	If valid, displays customer name and detail. If not valid, alert user, return to step 1
3	User clicks Edit	-----
4		-----
5	User enters Quantity	Displays drop down box
6	User types in Price	-----
7	-----	System calculates and displays Line Total
8	User clicks save	System validates data
9	-----	If data is valid then: System generates invoice If data is not valid then: Return to line 3
10	End use case	

Use Case 2

Member Management

Line #	User action	System action
1	Clicks Member Management from main	System displays Member Management Screen
2	User enters Member Name	Searches for Member
3	-----	System shows Member ID, Name, Rating, and Offenses
4	User clicks Edit button	-----
5	User edits rating and/or offenses	-----
6	User clicks Save	System validates data
7	-----	If data is valid, system displays confirmation, returns to Main Menu. If not valid, alert user, return to line 3
8	End use case	