



Cse 320 - Cse 320 ebay.com srs

Software Engineering (Lovely Professional University)

Table of Contents

1.0 Introduction.....	3
1.1 Purpose.....	3
1.2 Scope.....	3
1.3 References.....	3
1.4 Definition.....	3-4
2.0 Overall Description.....	4
2.1 Project Perspective.....	4
2.2 Project Function.....	4
2.3 User Characteristics.....	5
2.4 Constraints.....	5
3.0 Requirement Specifications.....	6
3.1 Functional Requirements.....	6
3.1.1 Requirements for customer.....	7-8
3.2 External Interface Requirements.....	9
3.2.1 Sign in page.....	9
3.2.2 Registration page.....	9
3.2.3 Price Details.....	10
3.2.4 Hardware Interface.....	10
3.2.5 Software Interface.....	10
3.3 Non-Functional Requirements.....	10
3.3.1 Availability.....	10
3.3.2 Security.....	11
3.3.3 Reliability.....	11
3.3.4 Maintainability.....	11
3.4 Other Interfaces.....	11
3.4.1 Data base.....	11
3.4.2 Supply chain.....	12

Table of Contents

1.0 Introduction.....	3
1.1 Purpose.....	3
1.2 Scope.....	3
1.3 References.....	3
1.4 Definition.....	3-4
2.0 Overall Description.....	4
2.1 Project Perspective.....	4
2.2 Project Function.....	4
2.3 User Characteristics.....	5
2.4 Constraints.....	5
3.0 Requirement Specifications.....	6
3.1 Functional Requirements.....	6
3.1.1 Requirements for customer.....	7-8
3.2 External Interface Requirements.....	9
3.2.1 Sign in page.....	9
3.2.2 Registration page.....	9
3.2.3 Price Details.....	10
3.2.4 Hardware Interface.....	10
3.2.5 Software Interface.....	10
3.3 Non-Functional Requirements.....	10
3.3.1 Availability.....	10
3.3.2 Security.....	11
3.3.3 Reliability.....	11
3.3.4 Maintainability.....	11
3.4 Other Interfaces.....	11
3.4.1 Data base.....	11
3.4.2 Supply chain.....	12

1.0 Introduction

1.1 Purpose

Ebay has expertise in providing the best value proposition in the fashion segment and provides online auction service. There is scope for selling both ways. Users seeking to purchase items make bids over a specific time period and then the seller determines guidelines such as a minimum bid he or she is willing to accept.

1.2 Scope

Ebay's value proposition revolves around giving consumers the power and ease of purchasing fashion and lifestyle products online. Offerings such as the largest in-season product catalogue, 100% authentic products, cash on delivery and 30 day return policy make Ebay, the preferred shopping destination in the country. To make online shopping easier for you, a dedicated customer connect team is on standby to answer your queries 24x7. Ebay understands its shoppers' needs and caters to them with choice of apparel, accessories, cosmetics and footwear from over 500 leading Indian and international brands. Prominent brands include Adidas, Nike, Puma, Catwalk, Inc 5, United Colors of Benetton, FCUK, Timberland, Aviate, Cabinda and Biba to name a few. You can also shop from some recently introduced labels such as - Roadster, Sher Singh, Dress berry, Kook N Keech and ETC.

1.3 References

- "Ebay.com site info" Alexa Internet. Retrieved 2016-10-15.
- "Auction-style listing fees". *Standard selling fees*. Retrieved 2012-11-18.
- "Contact Information". Pages.ebay.co.uk. Retrieved 2011-01-20.

1.4 Definition

- **E-commerce**

E-commerce is a transaction of buying or selling online. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, online auctioning and automated data collection systems. Modern electronic commerce typically uses the World Wide Web for at least one part of the transaction's life cycle although it may also use other technologies such as e-mail.

- **End user/Customer**

The end user will be the one who visits the website and buys products online from the ones added by the Vendors/Sellers.

- **Vendor/Seller**

Vendors/Sellers will add their products to the database, which will be seen in the website to the end users or say customers who can buy the products by selecting the one they need. Vendors will have the special privileges than the end users, and have ability to manage the products added by them.

- **Product**

A product is the item offered for sale. A product can be a service or an item. It can be physical or in virtual or cyber form. Every product is made at a cost and each is sold at a price. The price that can be charged depends on the market, the quality, the marketing and the segment that is targeted. Each product has a useful life after which it needs replacement, and a life cycle after which it has to be re-invented.

- **Administrators**

Administrators are the ones who adds or administers the categories for the products, and administers the Vendors.

2.0 Overall Description

2.1 Project Perspective

The proposed system is a solution carry out buying/ selling/ auctioning products online.

2.2 Project Function

The system allows the user to buy/sell/auction products online across internet connection globally. Ebay was in the business of on-demand personalization of gift items. It mainly operated on the B2B (business-to-business) model during its initial years. Between 1995 and 2001, the online portal allowed customers to personalize products such as T-shirts, mugs, mouse pads, calendars, watches, teddy bears, pendants, wine glasses and jigsaw puzzles. Ebay expanded its catalogue to include fashion and lifestyle products and moved away from personalization. It even started online auctioning.

2.3 User Characteristics

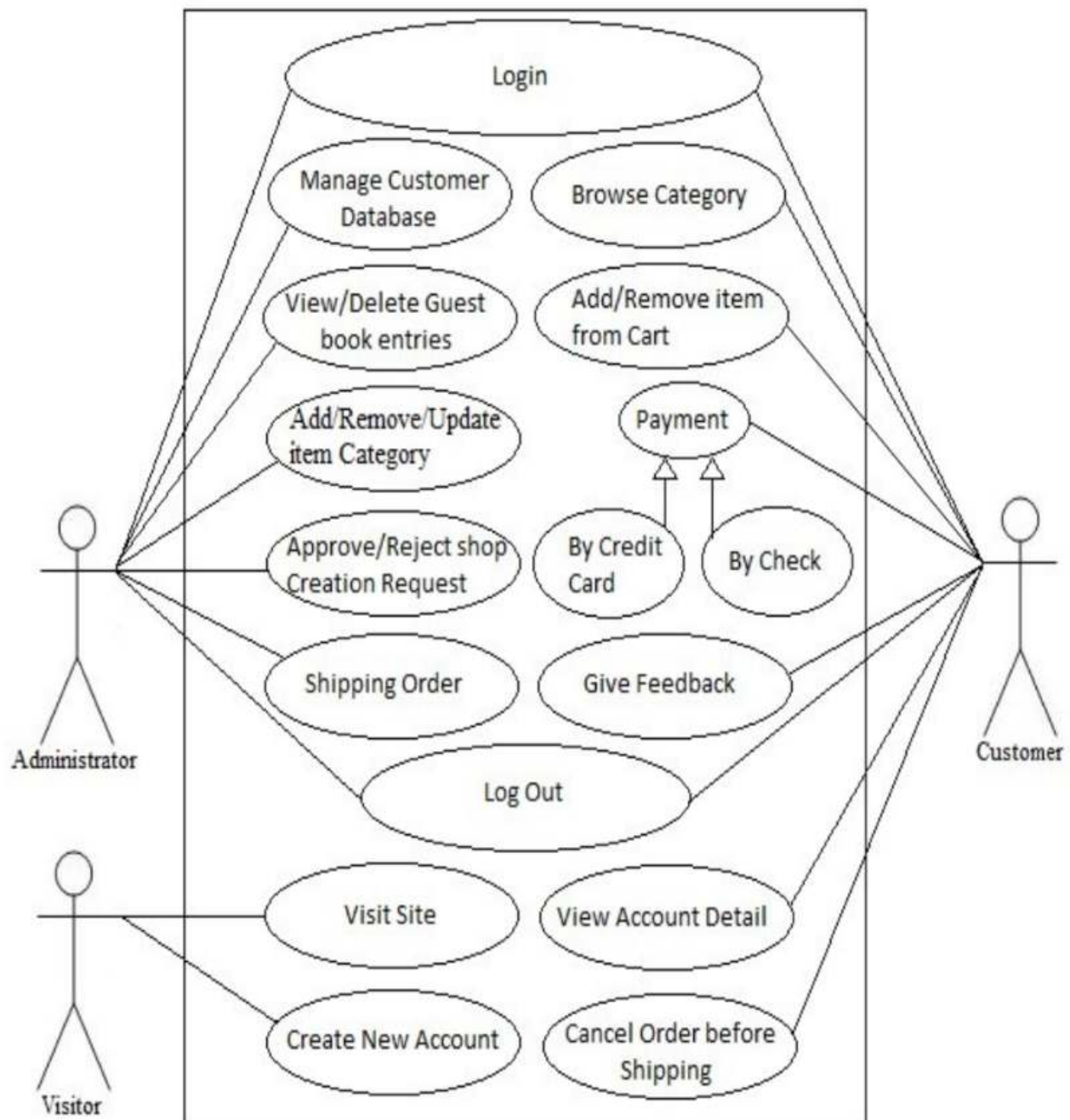
- Online shopping turned into a traditional purchase experience for several buyers on Saturday morning as they queued up to enter fashion e-trailer Ebay's website.
- Ebay allowed a limited number of users on its website to ensure a smooth experience for consumers during its two-day End of Season Sale, which started at 8 am on Saturday
- Ebay allowed only a limited number of users on its website at each time, to ensure a smooth experience for consumers during its two-day End of Season Sale
- The new feature helped Ebay tame technical glitches but customers took to social media to voice concerns as waiting period for some stretched to over 30 minutes

2.4 Constraints

Limited numbers search queries for the users. Servers incapable of handling high traffic burst. Limited decentralization. The actual product might differ from its display image. Uniform quality of service is not ensured, globally. Ebay.com is not dial-up friendly. It cannot ensure the reliability of the review.

3.0 Requirement Specification

3.1 Functional Requirements



Use case diagram for Customer, Visitor and Administrator.

3.1.1 Requirements for Customer

- Functional Requirement 1
Description:
Create a new account
Input:
Enter the details
Output:
You have Successfully Registered
- Functional Requirement 2
Description:
Create a new account using Facebook or Google account
Input:
Enter the Email or password
Output:
You have Successful Registered
- Functional Requirement 3
Description:
Product Details
Input:
Select the product
Output:
Information related to product
- Functional Requirement 4
Description:
Price management
Input:
Select the product
Output:
Showing the cost of the product, discounts applicable for the particular product of a vendor/seller.
- Functional Requirement 5
Description:
Login valid account
Input:
Enter the user name and password
Output:
Displaying your account
- Functional Requirement 6
Description:
Login invalid account
Input:
Enter the username and password

Output:

Account are not valid or invalid account

- Functional Requirement 7

Description:

Transaction

All transactions undergoing in the website will be controlled and managed by this module. Transactions in the sense, Shopping Cart management.

- Functional Requirement 8

Description:

Reporting:

This module deals with report management of the entire system. This includes three sub-modules Stock Report, Order Report and Delivery Report.

- Functional Requirement 9

Description:

Order Report

Order Report will have the list of products ordered and the customer details who have bought that product, which are undelivered.

- Functional Requirement 10

Description:

Delivery Report

Input:

Enter all the information like Name, age, mobile number, Address

Output:

Your product will Delivered on 3,4days.

- Functional Requirement 11

Description:

Logout

Input:

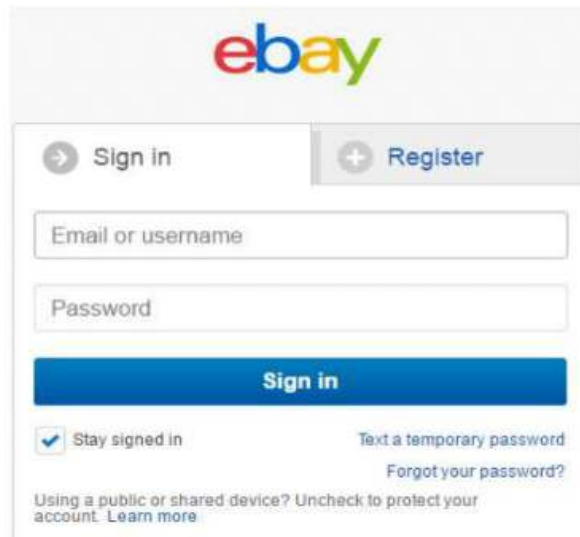
Click the Logout After payment

Output:

You have successfully logout.

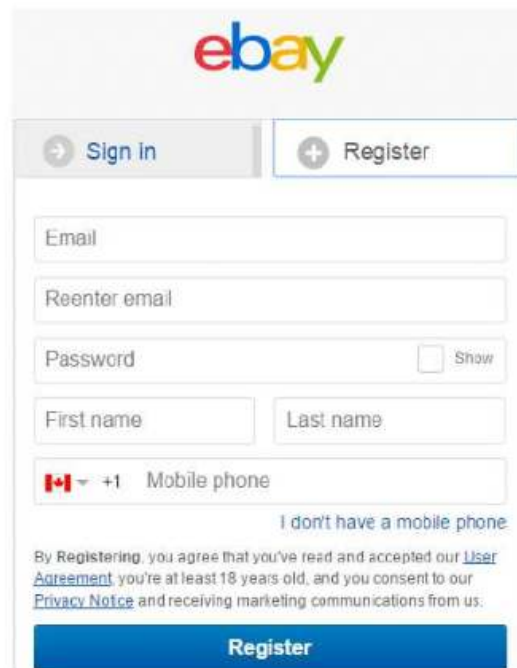
3.2 Interface Requirements

3.2.1 Sign in page



The screenshot shows the eBay sign-in interface. At the top is the eBay logo. Below it are two tabs: 'Sign in' (selected) and 'Register'. The sign-in form includes a text input for 'Email or username', a text input for 'Password', and a blue 'Sign in' button. Below the button is a checkbox for 'Stay signed in' and a link for 'Text a temporary password'. There is also a link for 'Forgot your password?'. At the bottom, a note states: 'Using a public or shared device? Uncheck to protect your account. [Learn more](#)'.

3.2.2 Registration page



The screenshot shows the eBay registration interface. At the top is the eBay logo. Below it are two tabs: 'Sign in' and 'Register' (selected). The registration form includes a text input for 'Email', a text input for 'Reenter email', a text input for 'Password' with a 'Show' toggle, a text input for 'First name', a text input for 'Last name', and a text input for 'Mobile phone' with a dropdown for country code (currently showing '+1'). Below the mobile phone input is a link for 'I don't have a mobile phone'. At the bottom, a paragraph states: 'By Registering, you agree that you've read and accepted our [User Agreement](#), you're at least 18 years old, and you consent to our [Privacy Notice](#) and receiving marketing communications from us.' Below this is a blue 'Register' button.

3.2.3 Prize Details

PRICE DETAILS

Bag Total	Rs. 2,999
Bag Discount	- Rs. 1,500
Estimated VAT/CST	Rs. 202
Coupon Discount	Apply Coupon
Delivery	FREE
Order Total	Rs. 1,702

PLACE ORDER

3.2.4 Hardware Requirements

- Processor: Pentium or Higher.
- RAM: 312MB or Higher.

3.2.5 Software Requirements

- Operating System: Unix, Linux, Mac, Windows etc..
- Development tool : PHP : Hypertext Preprocessor, JavaScript, Ajax
- Data Base : MySQL

3.3 Non-Functional Requirements

3.3.1 Availability

- The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. In case of a of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator.

3.3.2 Security

- The system use SSL (secured socket layer) in all transactions that include any confidential customer information.
- The system must automatically log out all customers after a period of inactivity.
- The system should not leave any cookies on the customer's computer containing the user's password.
- The system's back-end servers shall only be accessible to authenticated administrators.

3.3.3 Reliability

- The system provides storage of all databases on redundant computers with automatic switchover.
- The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes.

3.3.4 Maintainability

- A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also the software design is being done with modularity in mind so that maintainability can be done efficiently.

3.4 Other Interfaces

3.4.1 Database

Encapsulation of Data is used to refer to one of two related but distinct notions, and sometimes to the combination of a language mechanism for restricting access to some of the object's components and language construct that facilitates the bundling of data with the methods (or other functions) operating on that data.



3.4.2 Supply chain

Ebay is an Aggregator of many brands. It's business Model is based on procuring current session merchandise form various brands and making them available on the portal at the same time as in respective Retail brand outlets. All these products are offered to customer on MRP. It is a Business to customer (B to C) revenue model.

