



SRS document on ebay online auctions and shopping

Software Engineering (Lovely Professional University)

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SOFTWARE REQUIREMENTS SPECIFICATION

www.ebay.com

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Submitted by:-

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Ebay-Online Auctions And Shopping



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1.0 INTRODUCTION

1.1 PURPOSE

Ebay has expertise in providing the best value proposition in the fashion segment and provides online auctions services. There is scope for selling both ways. Users seeking to purchase items makes bids over a specific time period and then the seller determines guidelines such as minimum bid he/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. Offering such as the largest in season product catalogue, 100% authentic products, ease on delivery and 30 day return policy make Ebay, the preferred destination in the country. To make online shopping easier for us, a dedicated connect team is on standby to answer your queries. 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, Timberland, Aviate, Cabinda and Biba to name a few. We can also shop from some recently introduced labels such as Roadster, Sher Singh, Dress Berry and etc.

1.3 DEFINITION

1.3.1 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 system, 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.

1.3.2 END USERS/CUSTOMERS

The end users will be the one who visits the website and buys products online from the ones added by the vendors/sellers.

1.3.3 VENDORS/SELLERS

Vendors/sellers will add their products to the database, which will be seen in the website to the 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.

1.3.4 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.

1.3.5 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

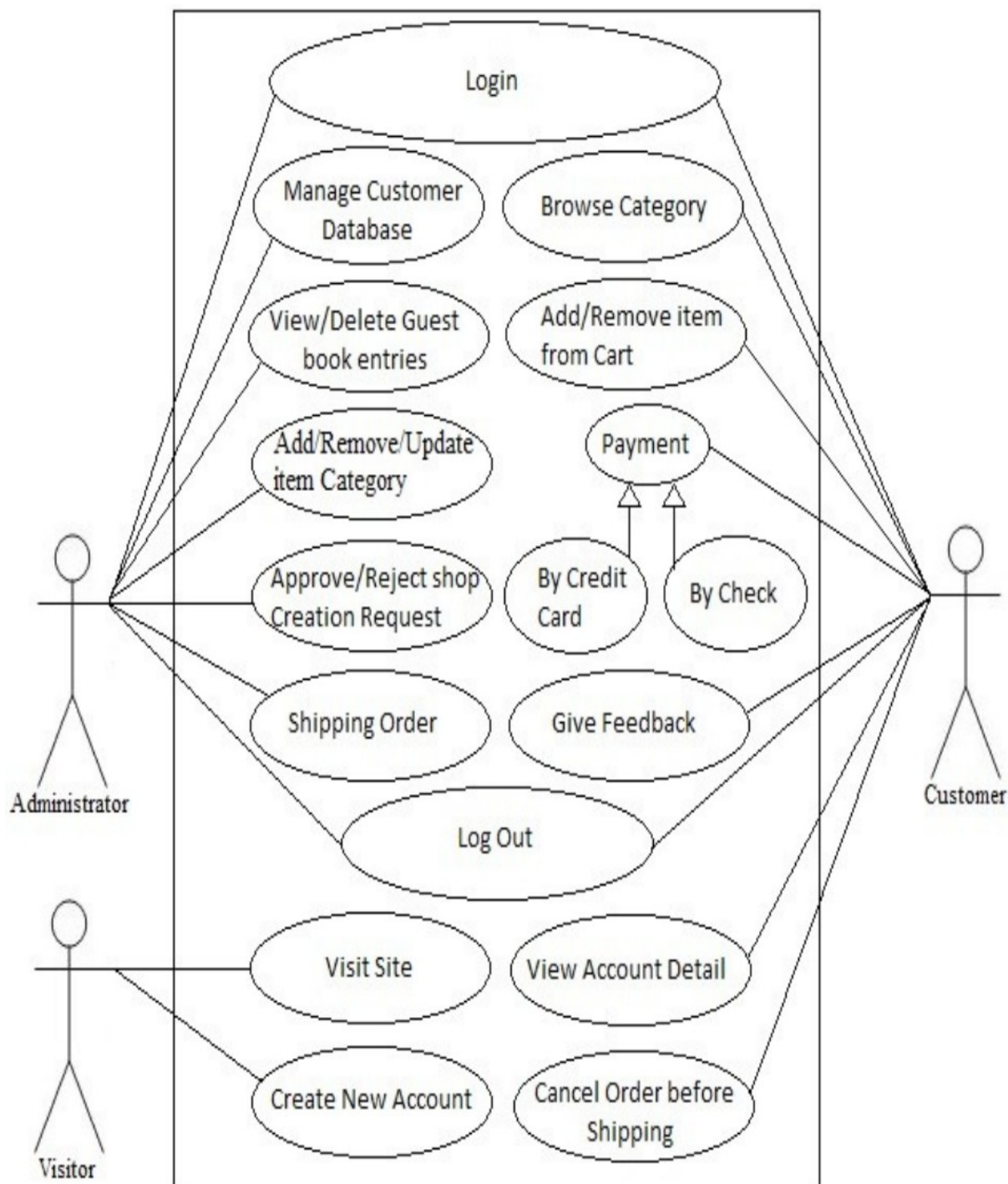
The system allows the user to buy/sell/auction product online across internet connection globally. Ebay was in the business of on-demand personalization of gift items. It mainly operated on the B2B (Business to Business) model during its initial years. Between 1995 and 2001, the online portal allowed customers to personalize products such as T-shirts, mugs, mouse pad, calenders, watches etc . 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 as they queued up to fashion e-trailer Ebay's Website.
- Ebay allowed a limited numbers of users on its website 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. Several incapable of handling high traffic burst. Limited decentralization. The actual product might differ from its display image. Uniform quality of services is not ensured, globally. Ebay.com is not dial-up friendly. It cannot ensure the reliability of the review.



Use case diagram for Customer, Visitor and Administrator.

3.1.1 REQUIREMENTS FOR CUSTOMERS

- **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 Google or Facebook account

Input :

Enter the email or password

Output:

You have successfully 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 the 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. Transaction in the sense, shopping cart management.

- **Functional Requirement 8**

Description:

Reporting:

This module deals with the report management of the entire system. This include three sub-module 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 brought that product, which are undelivered.

- **Functional Requirement 10**

Description:

Delivery Report

Input :

Enter all the information like Name, Age, Mobile number and Address

Output:

Your product will delivered in 3-4 days.

- **Functional Requirement 11**

Description:

Logout

Input :

Click the logout after making transaction or payment

Output:

You have successfully logged out.

3.2 EXTERNAL INTERFACE REQUIREMENT

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' tab contains a form with the following elements:

- A text input field labeled 'Email or username'.
- A text input field labeled 'Password'.
- A blue button labeled 'Sign in'.
- A checkbox labeled 'Stay signed in' which is checked.
- A link labeled 'Text a temporary password'.
- A link labeled 'Forgot your password?'.
- A note: 'Using a public or shared device? Uncheck to protect your account. [Learn more](#)'.

3.2.2 REGISTRATION PAGE



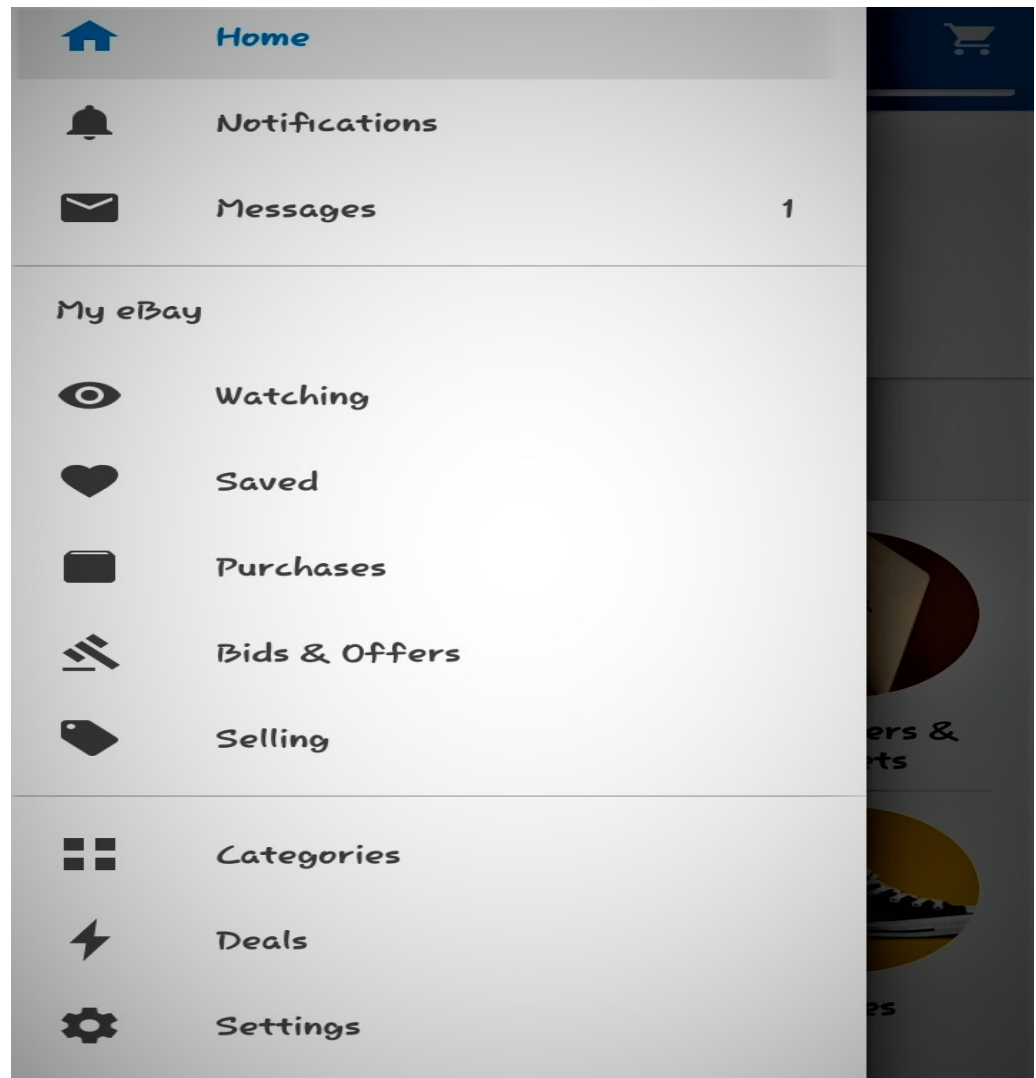
The screenshot shows the eBay registration interface. At the top is the eBay logo. Below it are two tabs: 'Sign in' and 'Register' (selected). The 'Register' tab contains a form with the following elements:

- A text input field labeled 'Email'.
- A text input field labeled 'Reenter email'.
- A text input field labeled 'Password' with a 'Show' checkbox.
- Two text input fields labeled 'First name' and 'Last name'.
- A dropdown menu for a country flag (Canada) and a text input field for a mobile phone number.
- A link labeled 'I don't have a mobile phone'.
- A paragraph of terms and conditions: '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:'.
- A blue button labeled 'Register'.

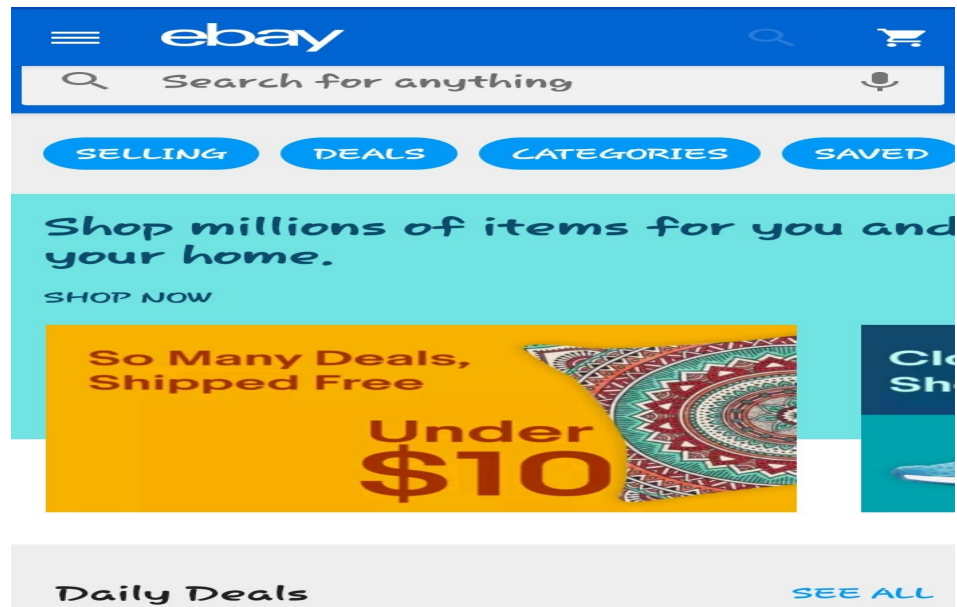
3.2.3 PRICE DETAIL

PRICE DETAILS	
Bag Total	Rs. 2,999
Bag Discount	- Rs. 1,500
Estimated VAT/CST	Rs. 202
Coupon Discount	Apply Coupon
Delivery	FREE
<hr/>	
Order Total	Rs. 1,702
PLACE ORDER	

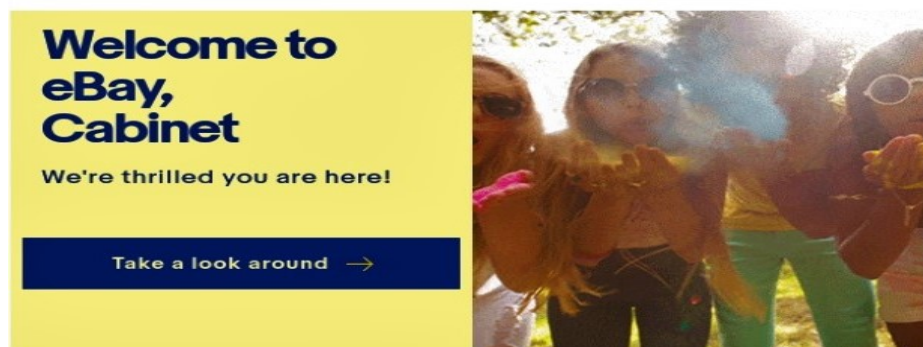
3.2.4 MENU BUTTON



3.2.5 HOME INTERFACE



3.2.6 EMAIL FORMAT AFTER REGISTRATION



Did You Know?*

80%

of items listed
on eBay are new.

100%

of items featured
in eBay Deals
ship for free.

**More than
170 Million**

buyers prove it's not
always about bidding.

Start exploring →

Great Service You Deserve



Simple Returns

Not happy with
the condition
of your item?
We'll help you
return it.

Learn More →



Money Back Guarantee

With our
Money Back
Guarantee, get
the item you
ordered or
money back.

Learn How →



Customer Service

If something
goes wrong,
we're here with
the support
you need.

Reach Out →



Free Shipping

Most items
ship for free at
eBay — no
membership
required!

Save Today →

3.2.7 HARDWARE REQUIREMENT

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

3.2.8 SOFTWARE REQUIREMENT

- Operating system: Unix, Linux, Mac, Windows etc.
- Development tool: PHP, Hypertext Preprocessor, javaScript
- 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 hardware failure or database corruption, a replacement page will be shown. Also in case of 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 logout all customer 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 database 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 of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes.

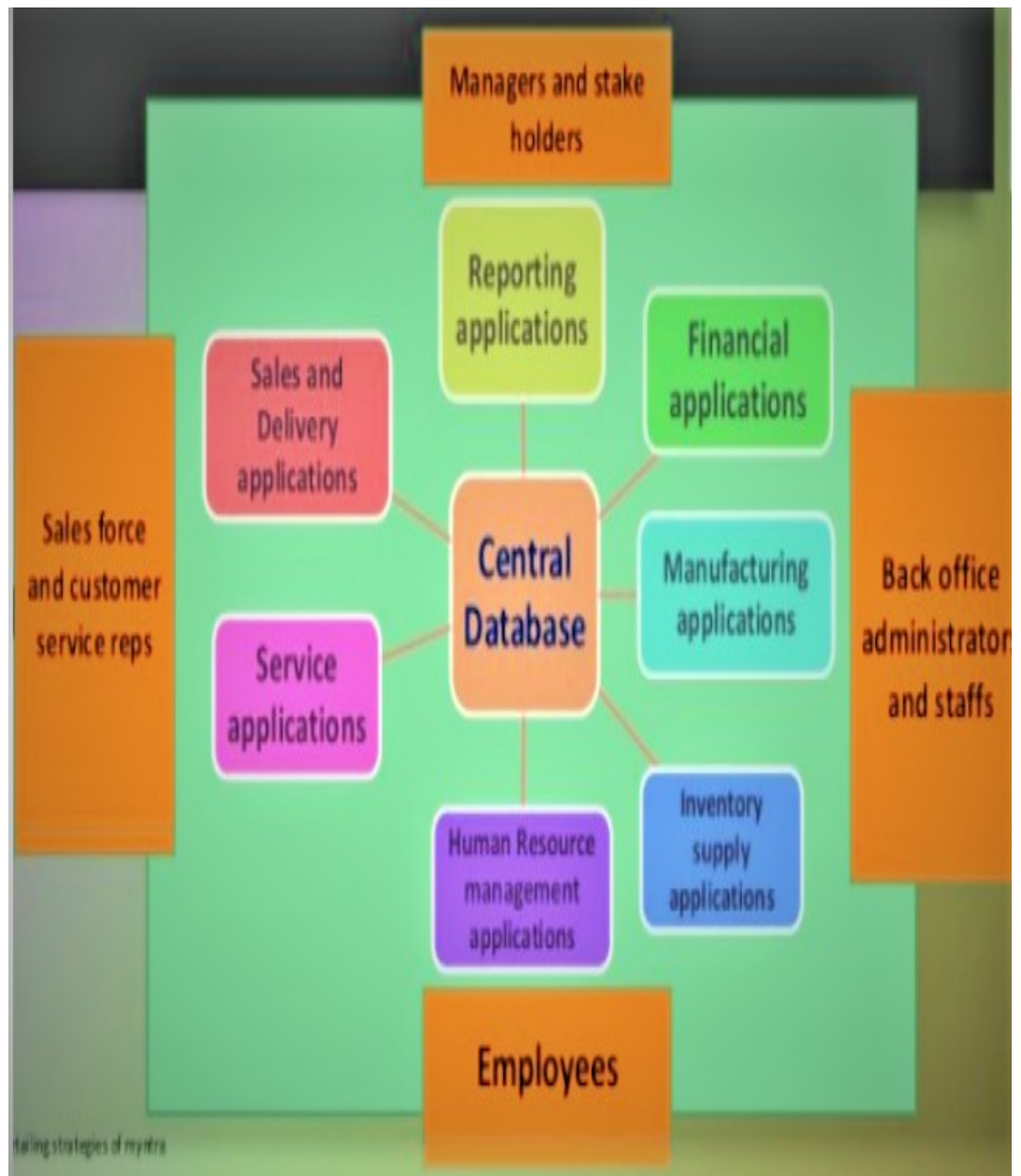
3.3.4 MAINTAINABILITY

- A commercial database is used for maintaining the database and the application server takes care of the site. Incase of 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 DATA BASE

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




```
graph TD; C[CUSTOMER] --> CO[CUSTOMER ORDERS FROM WEBSITE AND MAKES PAYMENT]; CO --> F[FIRM]; F --> OP[ORDER PROCESSING]; OP --> P[PACKAGING]; P --> S[SHIPPING]; S --> C;
```