BUSINESS BOOK

By-

HARSHIT JAIN (1801071)

ABHISHEK KUMAR (1801005)

ADITYA RAJ CHAUHAN (1801008)

Department of Computer Science and Engineering,
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,GUWAHATI

Supervisors:

Dr.Rakesh Matam,   Faculty of CSE

Dr.Anghusham Jana, Faculty of CSE

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Abstract

E-Commerce websites are one of the most widely used applications throughout the world. However the problem is if a user wants to just buy products from their local neighbourhood, The option is to contact them through calls or just visit the store. We have addressed this problem here by developing an e commerce web application a.k.a *Business Book* which focuses solely on ordering of items from local shops or shops available in their pincode.This

paper outlines different aspects of developing an e-commerce website and the optimum solution to the challenges involved in developing one. It consists of the planning process, which starts with determining the use case, data flow diagram, ER diagram-architectural pattern of the web application. The entire development process is primarily divided into two parts: the front-end development and the back end development. The database design is also discussed with an emphasis on its relational connectivity.

Introduction

Electronic commerce or e-commerce refers to a wide range of online business activities for products and services. It is usually associated with online buying and selling over the internet or conducting any transaction involving the transfer of ownership or rights to use goods or services through a computer mediated network. Our motto is to develop an enriched e-commerce website in our country that should be largely accepted by the customers as a trusted source for buying products online from their local store.

Scope

The proposed Business Book is a computerised system.This project can reduce the problems faced in the current methods as discussed in the abstract section, especially in this pandemic time. The main objective of developing this is to save money, time and paper.

Software Requirements

This system provides an easy solution for customers/sellers to order/sell products, compare prices with other shops locally and accept /reject the orders by the customers.This proposed system can be used by any naïve user and it does not require any educational level, experience or technical expertise in the computer field but it would be better if the user is bit familiar with the technologies on their smartphones/computers.

Function

The web app would have the following basic functionality:

● Seller Registration

● Login System: Users and administrators have to log in using username only.

● Order bill: Automated bill will be generated at the end of every accepted order.

● Chatbox: A suggestion/complaint portal for both seller and customer connected with every order.

● Location : Customers can edit and change their location whenever they need to.

FUNCTIONAL REQUIREMENTS

❏ Sellers and buyers must have a valid User ID and password to login thus creating their individual profiles.

❏ There may be a platform to discuss various queries and to put up suggestions.

❏ Seller registration facility is accessible through GSTIN and registration only.

For Sellers -

❏ the shopkeeper will be able to update the stocks.

❏ manage the price of its product.

❏ It will be able to make bills from the app.

❏ can have two different rates 1 for another wholesaler and one for a proper customer.

❏ after billing automatic update the stocks.

❏ inform whether the payment is done.

For Customers -

❏ customers will be able to search for nearby shops based on product and shop name.

❏ Will be able to see the item that he or she needs , the shop has a corresponding price.

❏ Can have information about the payment which will have to be paid to every seller.

NON FUNCTIONAL REQUIREMENTS

❏ Better component design to get efficiency at peak time.

❏ Flexible service based architecture will be highly desirable for future extension.

❏ Secure access of confidential data (user's details).

HARDWARE REQUIRED

A smartphone/computer.

SOFTWARE TOOLS USED

Database Server: MySQL Server

Client: Any web browser

Development Tools: Django, Basic Web Development Tools

Programming Language: Python

Risk Management

Server breaks down :: Due to the breakdown of the server, our customers will not be able to connect to our website.

Data loss.

Security issues

Users resistance :: It is possible that users are more adaptive to existing manual systems and hence, it will reduce our users. And it is quite difficult to convince people to opt for a new system because of the existing system.
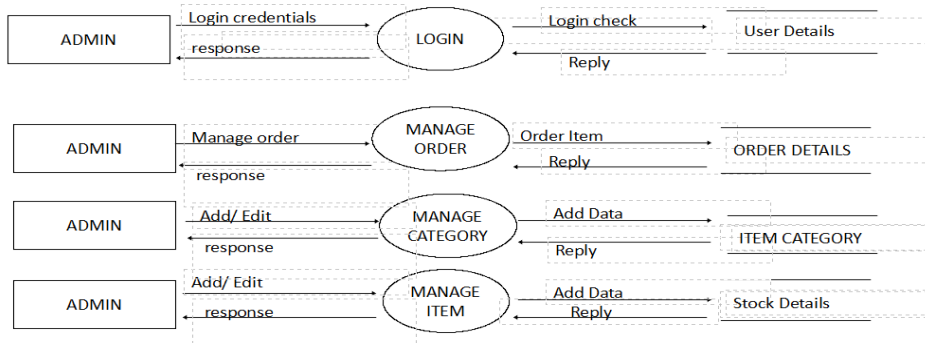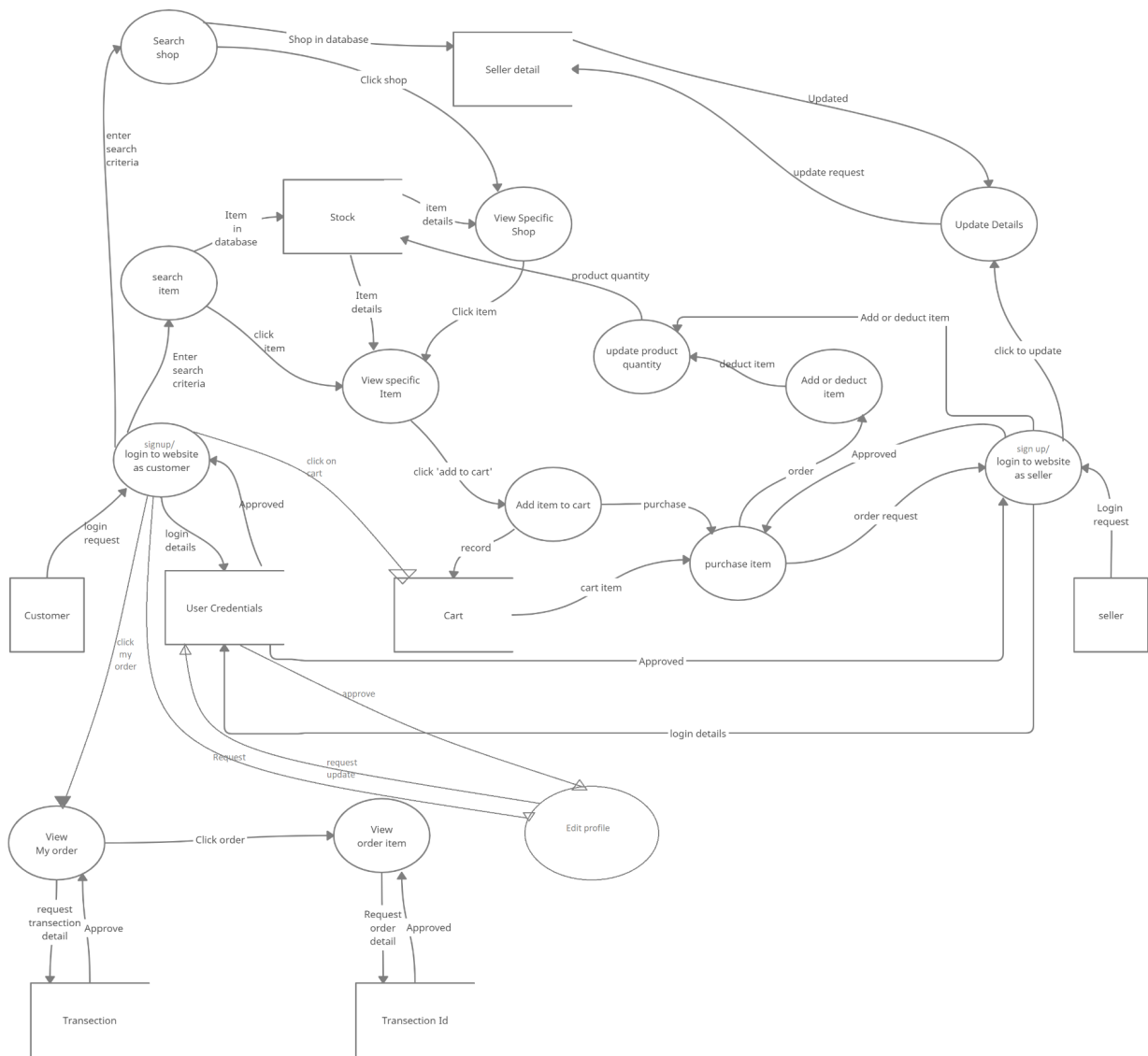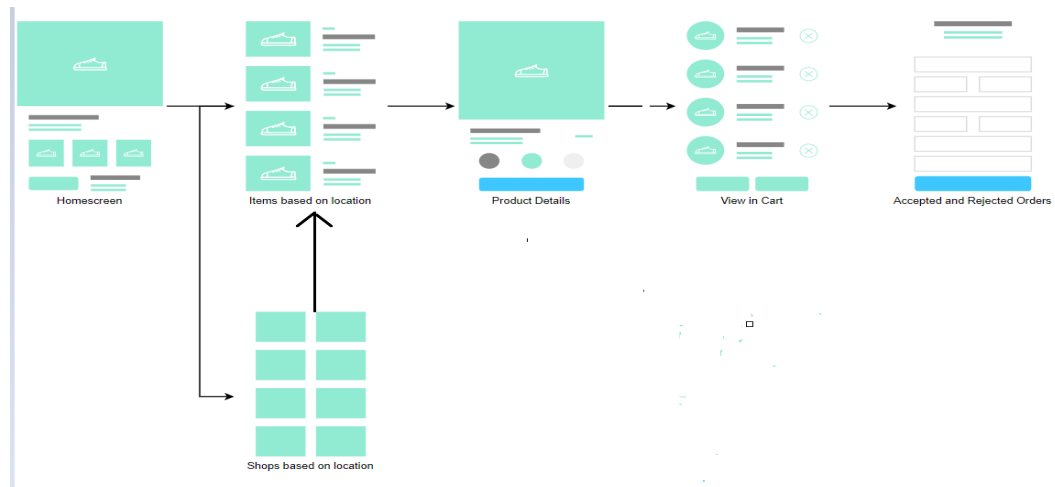
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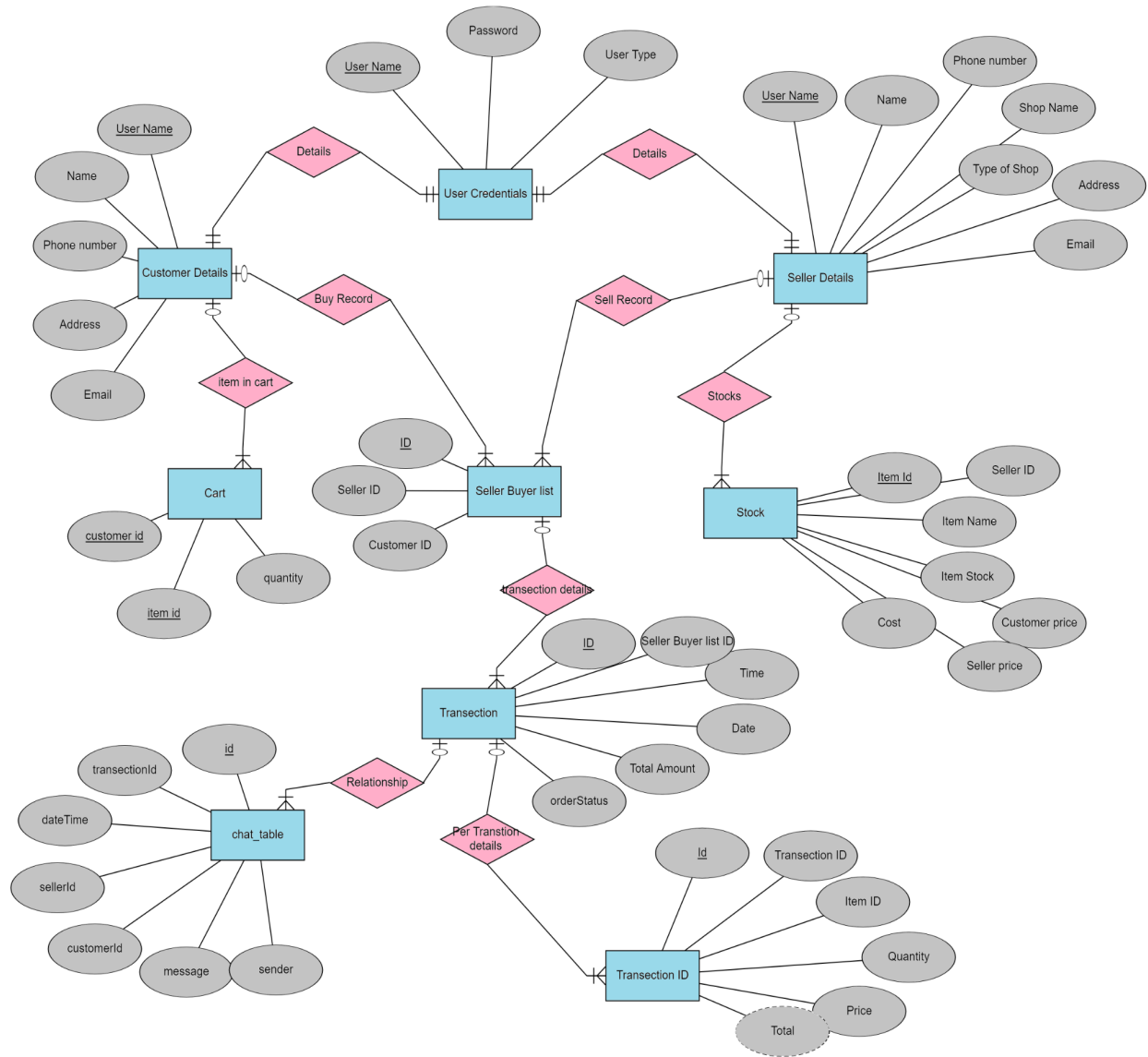
Data Flow Diagram

0th LEVEL DFD

ADMIN		OUR WEBSITE PORTAL		USER(SELLER/CUSTOMER)
	Login credentials →		Response →	
	← Admin response		← Login Request	

1th LEVEL DFD

ADMIN	Login credentials → ← response	LOGIN	Login check → ← Reply	User Details

ADMIN	Manage order → ← response	MANAGE ORDER	Order Item → ← Reply	ORDER DETAILS

ADMIN	Add/ Edit → ← response	MANAGE CATEGORY	Add Data → ← Reply	ITEM CATEGORY

ADMIN	Add/ Edit → ← response	MANAGE ITEM	Add Data → ← Reply	Stock Details

Data Flow Diagram: 2nd level:

Use Case Diagram

Homescreen

Items based on location

Product Details

View in Cart

Accepted and Rejected Orders

Shops based on location

ER Diagram

TESTING:

Manual black box testing.

1)Login page:True

2)Login Submit Page:True

3)Registration(for Customer):True

4)Registration(for Seller):True

5)My Profile:True

6)Edit Profile:True

7)Modify Password:True

8)Customer Can Search and See Nearby Store & It's Items:True

9)Customer can add the items into cart:true

10)Customer can Order the items :true

11)Customer Can see the Order Status(is pending,Is delivered,is in progress or rejected):True

12)Customer Can see the order details:True

13)Customer Can Chat with the Seller Authority Regarding the Order:True

14)Customer Can LogOut:True

15)Seller Can see the Order Request:True

16) Seller Can accept or reject the order:true

17)Seller can update the order status from accepted to delivered:True

18)Seller Can Update the Stock:True

19)Seller Can Update the selling price and cost:True

20)Seller Can see the Stock:True

21)Seller can Make The Bill:True

22)Seller Can Contact the Website Administrator:False

23)Seller Can Logout:True

24)Seller Can Chat With the Buyer Regarding the order:True

CONCLUSION

The online business system aims to give the people and the shopkeepers of the locality a better ,thorough expense and product management. There are obviously many advantages of this system to the buyer as well as the seller.The system after careful analysis has been identified to be presented with the following modules: Seller Registration: seller will register to the application. Product Storage: Obviously the availability/stocks of products will be updated through the database and Authentication: Authentication of this application will be provided for only registered members.