

## **INTRODUCTION :**

This web application is a small clone of OLX with all the features like OLX to see Buyers and Sellers of the product and can chat to negotiate the price of the product. The chat system is 1 to 1 with respect to the product post.

## **AIMS & OBJECTIVE :**

Our OLX-like web application aims to provide users with a seamless, user-centric experience. We're dedicated to building a diverse range of listings, ensuring safety through verification and secure transactions, and offering advanced search tools for efficient product discovery. We encourage community engagement, prioritize mobile accessibility, and consider environmental sustainability by promoting reuse. Our commitment to continuous improvement drives us to enhance the platform based on user feedback and technological advancements, with the ultimate goal of global expansion.

## **TECHNOLOGY USED :**

A ) Hypertext Preprocessor – PHP  
A ) Javascript  
A ) MYSQL Database

## **BACKEND :**

Backend Admin is fully secured and build using PHP as backend. In this application the backend manages all members, products and chat system. Admin has all the power to control over the backend and have all the permissions.

## **FEASIBILITY STUDY:**

### **TECHNICAL FEASIBILITY:**

The required technologies and tools for developing the web application are readily available. A team of skilled developers familiar with web development languages (such as HTML, CSS, JavaScript), databases, and security protocols can be assembled. Cloud hosting services can be utilized to ensure scalability and reliability. Integrating advanced search algorithms and secure payment gateways is technically feasible.

### **OPERATIONAL FEASIBILITY :**

A dedicated team can manage day-to-day operations, including user support, platform maintenance, and content moderation. Adequate server infrastructure, backup systems, and security protocols can be implemented to ensure smooth operations. Establishing communication channels for users and implementing policies for dispute resolution will be crucial.

## ECONOMIC FEASIBILITY:

**Cost Analysis:** Initial development and ongoing operational costs need to be considered, including hiring personnel, software licenses, hardware, server maintenance, and customer support.

**Revenue Streams:** Multiple revenue streams can sustain the platform, including listing fees, featured placements, transaction fees, and premium memberships, tapping into user engagement and transaction volume.

**Market Demand:** The proven popularity of online marketplaces indicates a strong demand. As user numbers grow, so does the potential for revenue through increased transactions and listings.

**Break-Even Point:** Calculating the break-even point will help determine when revenue equals costs, signifying when the platform becomes self-sustaining.

**Return on Investment:** By comparing net profits to the total investment, the ROI metric will offer insights into the project's financial viability.

**Scalability:** Preparing for scalability, as the user base expands, is crucial to ensure uninterrupted service and accommodate higher traffic.

## METHODOLOGY:

**Requirements Gathering:** Understand user needs through research and define platform scope.

**Planning and Design:** Create a project plan, design UI/UX, and develop prototypes.

**Development:** Employ suitable technologies for frontend and backend development.

**Feature Implementation:** Build core features like registration, listings, search, messaging, and payments.

**Testing:** Thoroughly test for bugs, errors, and user experience.

**Deployment:** Host on reliable servers and configure for secure browsing.

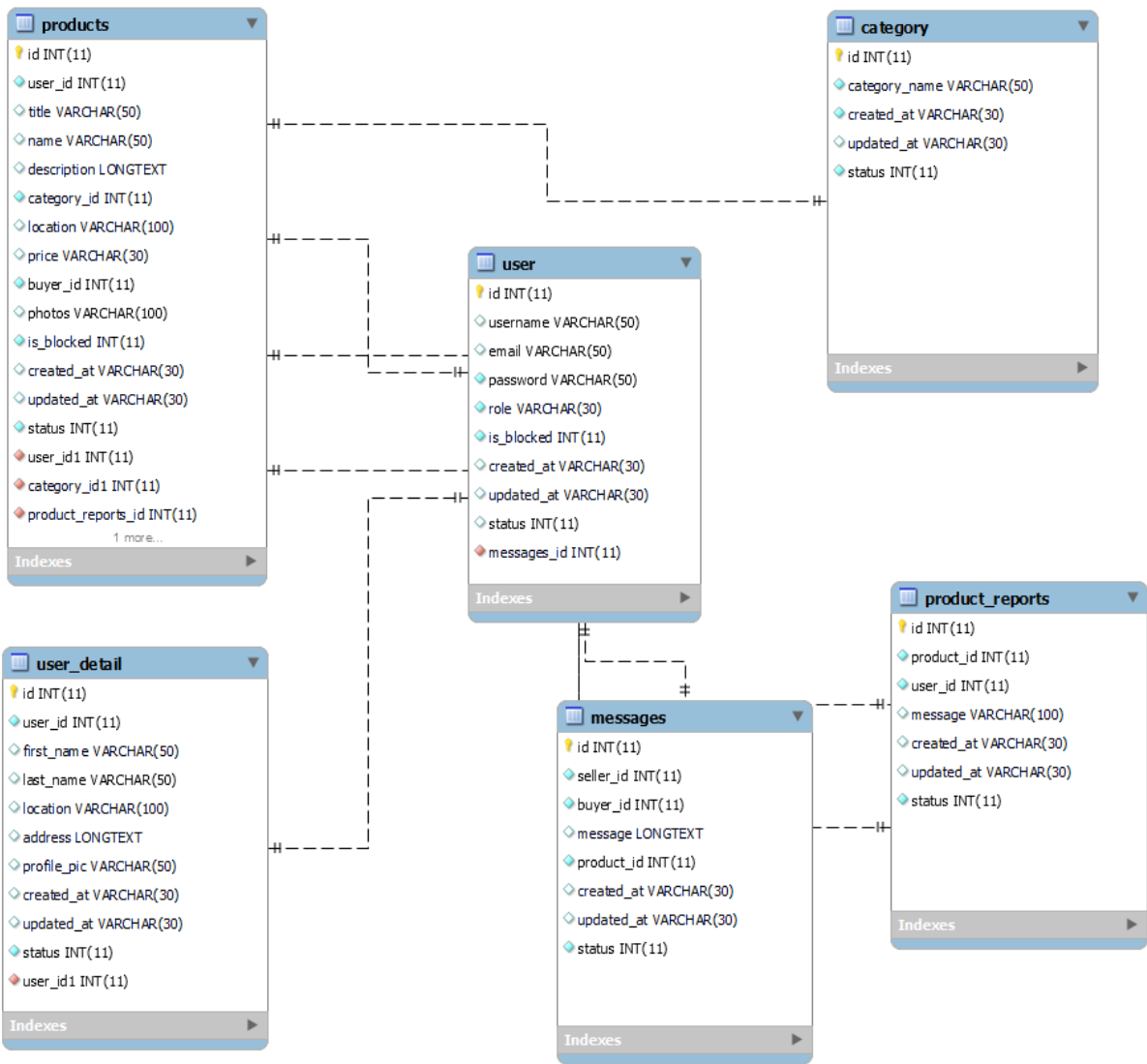
**User Training and Support:** Offer guides, tutorials, and responsive customer support.

**Launch and Marketing:** Strategically launch, market online, and engage users.

**Continuous Improvement:** Collect feedback, update features, and adapt to trends.

**Scalability and Maintenance:** Monitor performance, adjust resources, and maintain security.

E-R DIAGRAM :



DATABASE DESIGN :

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> messages	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> products	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> user	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> user_detail	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<b>4 tables</b>	<b>Sum</b>	0	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

obx user

id : int(11)
username : varchar(50)
email : varchar(50)
password : varchar(50)
role : varchar(30)
created_at : varchar(30)
updated_at : varchar(30)
status : int(11)

obx user\_detail

id : int(11)
user_id : int(11)
first_name : varchar(50)
last_name : varchar(50)
location : varchar(100)
address : longtext
profile_pic : varchar(50)
created_at : varchar(30)
updated_at : varchar(30)
status : int(11)

obx products

id : int(11)
user_id : int(11)
title : varchar(50)
name : varchar(50)
description : longtext
location : varchar(100)
price : varchar(30)
buyer_id : int(11)
photos : varchar(100)
created_at : varchar(30)
updated_at : varchar(30)
status : int(11)

obx messages

id : int(11)
seller_id : int(11)
buyer_id : int(11)
message : longtext
product_id : int(11)
created_at : varchar(30)
updated_at : varchar(30)
status : int(11)

**SCREENSHOTS :**

## CLASSIFIED OLX

Serving hundreds of millions of people every month, we help people buy and sell cars, find housing, get jobs, buy and sell household goods, and much more.

[Signup Today](#)

[Member Login](#)

### All Products



**Rs 6000**

**I want to sell my mouse..**  
I want to sell my mouse

Delhi

11, Aug



**Rs 40000**

**I want to sell my GPU..**  
I want to sell my GPU

Mumbai

11, Aug

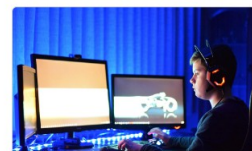


**Rs 30000**

**OLX Laptop is available..**  
OLX Laptop is availalble

Mumbai

16, Aug



**Rs 10000**

**efsef..**  
efseff

Delhi

16, Aug

[BACK TO HOME >](#)

## OLX Signup!

Username

Email ID

Password

First Name

Last Name

Location

Address

[Signup](#)

[Already have account ?](#)

[BACK TO HOME >](#)

## OLX Login!

Username/Email

Enter Password

Login

[Dashboard](#) [Account](#) [Products](#) [Messages](#) [About](#)

[Logout](#)

Welcome, Ajitsingh8

### Dashboard


- Account**  
My Account Information
- My Products**  
Show all my products
- Messages**  
All conversations

[Dashboard](#) [Account](#) [Products](#) [Messages](#) [About](#)

[Logout](#)

Welcome, Ajitsingh8

### Account Info

Username	<input type="text" value="ajitsingh8"/>	
Email	<input type="text" value="goldenbeast256@gmail.com"/>	
Password	<input type="password" value="member"/>	
Role	<input type="text" value="Member"/>	
First Name	<input type="text" value="Ajit"/>	
Last Name	<input type="text" value="Singh"/>	
Location	<input type="text" value="Delhi"/>	
Address	<input type="text" value="Nehru Palace"/>	
Profile Pic	<input type="button" value="Choose File"/> No file chosen	
Status	<input type="text" value="Active"/>	
<input type="button" value="Update Account"/>		

W  
Welcome, Ajitsingh8

## Inbox Messages

**INBOX - My Product Messages**

Ajit Singh

I want to sell my P55

hi ...

Deepak Sharma

I want to sell my GPU

Yes ...

Amit Sharma

I want tell my keyboard

Hey I want to buy this keyboard ...

**INBOX - Outgoing Messages**

Ajit Singh

I want to sell my P55

hi ...

Ajit Singh


I want to sell my GPU

Hello, is your GPU still avaiable bro ? ...

Ajit Singh

I want tell my keyboard

Ok sure ...




Select a chat to view conversation

Welcome, Ajitsingh8

## Inbox Messages

**INBOX - My Product Messages**




Ajit Singh

I want to sell my P55

hi..

14 ,Aug 23




Deepak Sharma

I want to sell my GPU

Yes..

12 ,Aug 23




Amit Sharma

I want tell my keyboard

Hey I want to buy..

16 ,Aug 23

**INBOX - Outgoing Messages**




Ajit Singh

I want to sell my P55

hi..

14 ,Aug 23




Ajit Singh

I want to sell my GPU

Hello, is your GPU still..

12 ,Aug 23




Ajit Singh

I want tell my keyboard

Ok sure..

16 ,Aug 23



I want to sell my GPU (Ajitsingh8)

Deepak Sharma - bbb

16 , Aug 2023

Deepak Sharma - wddd

16 , Aug 2023

Deepak Sharma - ddd

16 , Aug 2023

Deepak Sharma - dwdawd

16 , Aug 2023

Deepak Sharma - dfsff

16 , Aug 2023

Deepak Sharma - fdfsdf

16 , Aug 2023

ME - Hi bro

16 , Aug 2023

Deepak Sharma - jii

16 , Aug 2023

Deepak Sharma - Ok I will do it

16 , Aug 2023

Deepak Sharma - klo

16 , Aug 2023

ME - ok

16 , Aug 2023

Deepak Sharma - ju

16 , Aug 2023

Start Chatting ...

Send

[BACK TO HOME >](#)

## OLX Admin Login!

Username

Password

Login

[Dashboard](#) [Members](#) [Products](#) [Categories](#) [Messages](#) [Reported/Flagged Products](#)

[Logout](#)

Welcome Admin

### All Stats

1. <b>Members</b> All Site Members	5
2. <b>Products</b> Show all products	7
3. <b>Categories</b> Show all categories	7
4. <b>Messages</b> All Buyers and Sellers Chats	27
5. <b>Reports &amp; Flagged</b> All Reported & Flagged Products	1

[Dashboard](#) [Members](#) [Products](#) [Categories](#) [Messages](#) [Reported/Flagged Products](#)

[Logout](#)

Welcome Admin








### All Users | [Add User](#)

Username	Email	Password	Role	First Name	Last Name	Created	Updated	Detail Info	Is Blocked	Status	Action		
admin	admin@olx.com	admin	admin	System	Admin	09-08-2023	16-08-2023	<a href="#">View</a>	No	Active	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Ban</a>
ajitsingh8	goldenbeast256@gmail.com	member	member	Ajit	Singh	09-08-2023	16-08-2023	<a href="#">View</a>	No	Active	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Ban</a>
Deepak	deepak@olx.com	deepak	member	Deepak	Sharma	10-08-2023	16-08-2023	<a href="#">View</a>	No	Active	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Ban</a>
Amit	amit@olx.com	amit	member	Amit	Sharma	16-08-2023	16-08-2023	<a href="#">View</a>	No	Active	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Ban</a>
krish	krish@olx.com	krish	member	Krish	Sharma	16-08-2023	16-08-2023	<a href="#">View</a>	No	Active	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Ban</a>



Welcome Admin

Products

Add ProductAdd Category								
	Product ID	Title	Name	Seller	Created	Sold Date	Status	Operation
	3	I want sell my Alienware monitor	I want sell my Alienware monitor	ajitsingh8	09-08-2023	Running..	Blocked	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	12	I want to sell my PS5	I want to sell my PS5	ajitsingh8	10-08-2023	15, Aug 2023	Blocked	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	13	I want to sell my mouse	I want to sell my mouse	Deepak	11-08-2023	Running..	Active	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	16	I want to sell my GPU	I want to sell my GPU	ajitsingh8	11-08-2023	Running..	Active	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	23	I want tell my keyboard	I want tell my keyboard	Amit	16-08-2023	16, Aug 2023	Blocked	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	24	OLX Laptop is available	OLX Laptop is availalble	admin	16-08-2023	Running..	Active	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>
	25	efsef	efsef	ajitsingh8	16-08-2023	Running..	Active	<a href="#">View</a> <a href="#">Delete</a> <a href="#">Edit</a>

Welcome Admin

Category | Add Category

Category Name	Created At	Updated At	Status
Computers	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Laptops	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Rentals	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Furnitures	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Cars	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Electronics	11-08-2023	11-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>
Mobile	16-08-2023	16-08-2023	Active <a href="#">Delete</a> <a href="#">Edit</a>

Welcome Admin

Inbox Messages

Product	Sender	Receiver	Message	Created	Updated	Status			
I want to sell my PS5..	Ajit Singh	Ajit Singh	hi	14-08-2023	14-08-2023	Active	<a href="#">View Chats</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
I want to sell my GPU..	Deepak Sharma	Ajit Singh	Hello, is your GPU still avaialble bro ?	12-08-2023	16-08-2023	Active	<a href="#">View Chats</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
I want to sell my GPU..	Deepak Sharma	Ajit Singh	How many 1 or 2 ?	12-08-2023	16-08-2023	Active	<a href="#">View Chats</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
I want to sell my GPU..	Deepak Sharma	Ajit Singh	How many 1 or 6 ?	12-08-2023	16-08-2023	Active	<a href="#">View Chats</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
I want to sell my GPU..	Deepak Sharma	Ajit Singh	gg	16-08-2023	16-08-2023	Active	<a href="#">View Chats</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Welcome Admin

## Reported/Flagged Products

Product ID	Product Name	Reported By	Message	Created	Updated	Status
12	I want to sell my PS5	Deepak Sharma	This is a fake PS5	16-08-2023	16-08-2023	Active

## CONCLUSION :

In summary, the OLX-like web application demonstrates a practical solution for an efficient online marketplace. The methodology provides a clear roadmap from planning to launch, while the Data Flow Diagram illustrates its operational flow. By focusing on user needs and economic viability, this project has the potential to create a seamless buying and selling platform. Its success hinges on effective execution, user feedback incorporation, and staying aligned with evolving market trends.

## BIBLIOGRAPHY:

Build by OLX 2023

Github - <https://github.com/algobasket>