Exploring E-Commerce 04 sigital Revolution. Ofreesha Ofbalul Sattar. Okoll Number: Submission Date. of bit about rryself: Hello, my wame is Aseesha, and i am
Currently Studying "IT". have a
keen interest in technology, particularly
in web development and digital innovations. I am a passionate about learning and improving my Skills, and i enjoy working on personal projects to apply what I've learned. I am also building my Postfolio to Showcase my work in web development and Lesign.

This Project "Emplosing L-Commerce:

A digital revolution allows me to

explose the impact of digital.

Commerce and goin a deeper and desistanding of its role in

Shapping the future. Introduction to E Commerce: L-Commerce, Or electronic Commerce, refers to the buying and Selling Of goods and Services through the internet. It allows businesses to leach a global audience, Operate 247, and facilitate easy transactions without the Constaints Of physical Stores

## why i Choose E-Commerce:

I Choose e-Commerce because it is sapidly transforming how businesses operate and Consumers shop with the growing dependence on digital platforms, it offers immense opportunities for innovation and growth. The ease of access Convenience and ability to reach a wide audience makes e-Commerce a fascinating field to explore.

## Demand Of E-Commerce and traditional Commerce:

L-Commerce has a higher clemand today Compared to traditional Commerce due to its Convenience, wide leach, and sapid growth, especially post-pardemie. Consumers prefer Shopping Online as it offers

a variety of products, competitive pricing, and quick delivery options, which teaditional Stores Comnot always match. Real-hife transple Of E-Commerce: Of prime trample Of e-commerce is "Amazon". It allows Customers to Shop for products from various Categories and have them delivered directly to their dovesteps, without needing to visit a physical Store. Conclusion: L-Commerce has revolutionized Shopping, making it accessible, Convenient, and efficient with Continous advancements in technology. it is expected to grow even

further, eeshaping how we buy and sell goods globally.

## My bussiness goals:

O: what problem does your marketplace aim to solve?

Ofis: Our marketplace aims to Simplify access to high-quality, affordable
Services products by Connecting buyers with trusted sellers in One place,
Sorving time and effort in the purchasing process.

Q2: who is your target audience?

Ofns: my target audience includes tech-sarry individuals, small bussinesses, and enterpreneurs looking for Convenience, variety, and quality

Products/services is con Online marketplace. Q3: What products Or Services will you offer? Ofres: I will offer a wide sange Of oligital products like e-books, Software, Courses, and physical products Such as gadgets, fashion, accessosies, food, and home essentials Q': what will set your marketplace Of speed with fast deliveries, offordability through Competitive Pricing, and Customization by Offering personalized options for

## Creating data Schemas:

	o Croemos:
	DITTO THE PARTY OF
-	broducts:
7	Peoduct are the Core items Of your
	marketplace. These are the stems
	avoible for sale On the platform.
1	for each product need to be defined.
-	THE SHOP WINDSHIP SHIP SHIP SHIP SHIP SHIP SHIP SHIP
	· 10: A unique identifier for each product.
	· 10: A unique identifier for each product.
	Price: The cost per unit of the product
	· Stock: Le avaiable duantité Of
	the product.
	Category: The Classification Of the Product (Clothing electronic etc).  Pags: keywords used for Search (e.g. New arrival).
	Product (Clothing, electronic etc)
	Page: keymoreds used for search leg
1	alow assistant
	The curvat fr
1	1 + 1 100 11 1
T.	reduct Name Price Stock Category Pags

Product	Name	Price	Stock	category	Pags
001	Laptop	1000	So	Electronic	New arinal
002	T- Shut	200	20	Clothence	Summer Sale
				U	J WINCO JCCCC

2	Orders:						
		3					
	· Order 10: A unique édentique	for					
	each Order.						
	Le Pustames info: Name, Contact	KO -					
	details and address of the customer						
	· Product détails: A list of						
	products, Quantities, and prices	for					
	to confes	1.1					
	Status: The & Current Status Of						
	Status: The & Current Status Of the Oxcler (e.g. penching, Shipped,						
	Delivered).						
	when the Order was placed.						
	when the Order was placed.						
		C SATE					
	Order customer Product Quantity Status	limestam.					
45.	1D 10 10	i A					
	1501 Ab 200 2 3 Book Book Book Book						
	101 001 001 1 (hipper	12025 - 01-15					
	1021 002 002 2 Pendin	10:00 Am 2025 - 01 - 15 9 11:00 Am					
1	The state of the s	11:00					

A CONTRACT					
3 -	Customers:				
	custamers are the incliniduals Or				
	businesses purchasing products on the market place. It is essentials to track the following details for each customers:				
PER	the mark	etplace	. It is e	ssentials	to
	track the	follows	ing de	tails for	each
	Customers.		4		
			ceres in the	16 July 20 31	1 m 1811
	· Custome	UD: Au	miglue:	identifier	foe
	each Crus	lamel.			
	· Name	Lell Nan	me Of	Customer	
	· Name: full n'amé Of Customer. · Contact Info: Phone number and email				
	addiess				
	· Address: Delivery address of the				
	Customer.				
	auscomer de l'ét Of Deevinus Perlous				
	· Order history: A list Of previous Orders Placed by the Customer				
	Traces of the caspanies.				
	Customas	Name	Contact	Address	Order
	Customer	C SAG	info	,4	history
	001	John Doe	John	123 main	101 102
	Town !	7,700	doe ag .	1 ct ot	101, 103
		*	Com	1. st, city	
No. of Lot					

	1		-				
4-	Delivery ?	Zones:	14/10/2010				
	Delivery Zones are the Geographic						
	areas ('m)eled by the						
	Service peoriders. The fields for						
	delivery zones might include:						
	Steurery Zones major						
	. 2 one Name: A name de identifier						
		A STATE OF THE PARTY OF THE PAR	Control of the Contro				
	for the delivery Rone.  Coverage area: A list of postal						
12000	codes de cities served by the Zone.						
5300	. Assigned deivers: information about						
	the divers de Curiers assigned to						
4.70	deliver in this Zone.						
	Lone	Coverage	Assigned				
1	Name	Asea	Drivers				
	Zone A	10001,10002	0.0 1				
1	20nB	20001,2000?	Driver 1				
		-001, 2003	Deliver 2				

Shipment:

Shipment teach the movement of items from the wavehouse to the Customer. The fields for Shipments include

· Shipment ID: A unique identifier for tracking Shipments.

· Older 10: the linked Older that the

Shipment belongs to

Status. The & Eucent Status Of the Shipment (e.g. in transite, delivered)

date of delivery.

Shipment 1D	Order	Status	Delivery
301	101	In transite	2028-01-16
202	102	Delivered	2025-01-17

- Inventory: The inventory represents the storage details and availability of products. · Inventoer 10: A unique identifier for each inventory second. · Product 10: A unique identifier for the Product in the inventory. · Product Name: The Name Of the product.
· Stock level: The Current quantity Of the product available. · Reader level: A threshold below which the Stock need applemishment · Supplier details: Information about the Supplier (e.g. Name, Contact info . Warehouse location: The location where the stock is stored. Inventour Product Product Stock Reorder Supplier 1D Name Level Level Name 10001 T-shut 150 001 20 ABC Supplier

Here is noy bussiness diagram. + Product + > Order + Delivery Shipment

Navigation E. Commerce Challenges: High Competition in the market. Challenge: · Overcrowded market with many · Difficulty in Standing Out and attracting Customers. Solution; · Build a unique value proposition (e.g personalized products) · Invest in Strong beanding and customer experience. logistics and delivery delays: Challenge: Delayed Shipments lead to customer dissortisfaction.

Supply Chain dishuptions Can impact inventory management. · use technology for real-time tracking and inventory updates. Cybersucuity heats: Challenge:

Risk Of data breaches and payment Solution: secure parfment gaternays. 4-Payment issues. Challenge: Cast abandonment due to limited Payment options · Leansations failures Cousing Customer flustration

Solution:

· provide multiple payment

nettad (credite Cards, wallets etc) · Optimize checkout process for Simplicity and Security. Man Had was a same for All a change a contract to the contract of Talliant to the state of the st THE PROPERTY OF THE PROPERTY OF Color Color Marine Marine to be over the management of the sixth MILE PROPERTY OF THE PARTY OF T with a part of the clear of the contract of th and independent all the trained once a salance shop Transaction of Could tenomismon to sine series perkentered the series CANCEL STATES CONTRACTOR

etc) Strategy for my E-Commerce Hackathon: I am going to prepare my Strategy for my e-commerce Hackathon bussiness. my first step will be: Read and analyze the hackathon's Objectives and guidelines Carefully what features and functionalities I have to implement for my bussiness. I have to make unique selling Point Of my marketplace. my Core brainstorm: I will have to identify the platform that will make my e-commerce attractive and functional. Tomar to General realist of manifeld

Essential feautures: product Category: Fary browsing Search and fitter: I have to do Advanced Searching with felters like price, category and eating Order tracking: leal-time updates on déliver status. Doeshboard: I have to make user profile dushboard. Now I have to design a data Flow. Product Schema: product name, Price, Category, Stock, etc. Order Schema: Customer info, Product détails, order status. Customer: Name, Contact info, address, order his toly Shipment Schema: Delivery Zones Shipment 10, tracking Status.

Now I have to Jump On marketing Steategy.
Social media: facebook, and tiktok for promotions.

SEO Oplimization: Rank higher in Search results with targeted Now I have to decide the technologies fronted: Next is, React, failwind CSS
for a responsive and attractive U1.

I will use Sanity for data managment I have to work on (UX UI). My prioritize vil be intulive varigation clear project, checkout step. And last strategy will be.

Lum functional tests for core
features (e.g Search, Cart, Payment,
Order, teaching).

· test responsaveness On different devices (desktop, tablet mobile · fix bugs de glitches to ensue a Smoth demo My industry accepts My Marketplace: my market place is different and better because it focuses On Solving real problems for Customer and bussiness Nacketplace Now i am going to describe Simple and Easy to use: The Platform is designed to be use ser friendly so anyone Com use it without Confusion.

Specialized Services. If offer practice and Services that are tailored to the target audience, making it stand out Latest technology: my market place uses madein tools like veritis, React and tailwind CSS and note libraries. that provide a fast, Secure and Somooth enperience for everyOne. Prusted marketplace: by using secure Payment Options and clear process usels feel Safe and Confident while osing the plateform. oblection Of product and services to meet different Customer need. Building Connections: It beings people and bussinessess together, treating a Community where everyone benefits