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HACKATHON 3 - 2025

DAY -01:- Laying the foundation for Market-Place Journey. (A Professional mind set).

Step-01:- Choose Your Marketplace Type:-

(Market Place Type)
Choise :- General E-Commerce

Primary Purpose:-

The aim or purpose of my "Comforty" E-Commerce Website is that it enables my customers to easily discover browse and purchase products like:

1) Arm Chair.
2) Desk Chair
3) Classical Chairs
4) Stylish Sofas.
5) Wing Chairs
6) Wooden Chairs
7) Park Benches and much more.

—: Main Purposes:

* My E-Commerce (Comforty) Website will create a seemless shopping experience that is available 24/7.
* Comforty offers high-quality furnitures.
* It provides the convenience of shopping from anywhere, anytime.

* The other purpose is that it comes with a wide range of payment options, product variety.
* It comes with a personalized recommendations.

* The focus of my comforty website is to sell comfortable and stylish furniture on customer demands.

Step #02: Define my Business Goals.

Q1) What Problem does my marketplace aim to solve?

Problem - Solving

Buisness:-

Problem 1:- Customers often ↑ troubles for finding a good conditioned, stylish luxury furniture online.

Solution:- My Comforty E-Commerce Platform will provide a best quality products whether its during the day, night or weekend.

Problem 2: Customers often face challenges when shopping for furniture in physical stores. They need to visit multiple locations, deal with limited store hours, & physically test products for comfort, which can be time-consuming & exhausting.

Solution:- Comforty offers the convenience of browsing and shopping for sofas and other luxurious stylish furnitures online 24/7 without leaving home. Customers can compare different sizes, colors & materials with ease saving both time & effort.

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Comforty solves the problems of inconvenience, limited selection, uncertainty, about comfort & fit, slipping & return difficulties. It includes and offers a convenient, personalized and trust-building platform where customers can confidently purchase furniture that fits their needs.

Q2) Who is my target audience?

Their studies

⊙ Students:- Who need comfortable furniture for

⊙ Budget-Concious Buyers:- Who are

⊙ Unable to buy expensive furniture.

⊙ Home Owners and Renters:- People looking

⊙ to furnish for their living spaces with stylish furniture

⊙ Interior Design Enthusiast:-
Customers who enjoy decorating their homes

⊙ Eco-Concious Shoper:- Who prefer sustain-able long-lasting furniture options.

⊙ Young Professionals & families:- Individuals families who prioritize comfort & quality.

⊙ Office Owners:-
People who finds stylish & comfortable furniture for their offices.

Q3)

∴ What Products or services will we offer?

Comforty will offer:-
(Products)

1) Arm chairs : Modern, Traditional, stylish.
2) Wing Chairs : materialistic
3) Sofas : sleeper, modular sofas.
4) Desk Chairs : materialistic
5) Wooden Chairs: classical, sustainable.
6) Park Benches.: classical, sustainable
7) Dining Chairs: Stylish, Modern, Traditional
8) lounge chairs: Comfortable & Stylish.

(Services)
- Easy-to navigate online store with detailed products.
- Door step delivery service on cash & advanced payment.
- Ability to customize fabrics, colors, sizes.
- Hassle-free returns & exchanges policy. to ensure customer satisfaction.
- Warranty & Customer Support.

(Q4)

What will set our marketplace (comforty) e.g (speed, affordability, customization)?

- Customization and Personalization: Comforty will offer a high level of product customization.

- Eco-friendly Products:- Comforty will offer a curated selection of eco-friendly materials & sustainability source products.

- Affordable Luxury & Flexible Payment Options:- Comforty will offering competitive and affordable prices without compromising on quality.

- Fast & Reliable Delivery:- Comforty will provide fast, reliable and trusted shipping with the ability to track orders in real-time.

- Convenience: User-friendly navigation, one-click checkout, & multiple secure payment options.

Step: 3 DATA SCHEMA:-

- Create a data Schema.

1. Entities & key fields:-

*1 Products

Attributes

- Product ID : Unique Identifier for each Product
- Name   (Product Name)
- Price   (Selling Price)
- material   (Product Material)
- Stock   (Current Stock)
- Category   (Product Category)
- Description (Product Details)
- Img URL   (Product Image)
- ~~Ext~~

* Customers | {

- Customer ID :
- Name
- Email
- Phone
- Shipping Address
- Order History (List of order ID).
- billing address   (It could be different
                    from shipping)
}

Orders

(Attributes)

- Order ID
- Customer ID
- Order date (date & time when the ord[er] was placed)
- total - amount
- shipping address (may differ from customer)
- payment status (e.g Paid/Pending/Failed)
- Order Status (e.g (Pending/Shipped/Delivered)
- delivery date
- Quantity.
- Total Price.

Reviews {

- Review - id
- Product - id
- customer - id.
- rating
- review - text
- review - date.

[Payments]
(Attributes)

- Payment ID
- Order ID
- Amount Paid
- Payment Method
- Payment Status (Paid / Pending).

[Delivery Zone]
(Attributes)

- Zone - ID
- Area
- Assigned Driver (driver details for delivering the orders)
- City
- Delivery Time (Estimated time for zone)
- Shipping cost
- Zone name.

2. Relationships B/W Entities:-

- Products are linked to Orders Though Product-ID
- Orders are linked to Customers through Customer ID.
- Orders are linked to Delivery Zone based on delivery addresses.

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- Delivery zones are linked to specific Drivers for shipping.

- Reviews are linked to Customers ID.

3. Entity Relationship Diagram ERD:-

name id

containes → makes → status

id → nar

| Products | → | Orders | ---> | Customers |

Price

Reviews

→ Order-Item

Shipping it

Add to Cart

Payment

Customer ID

Cart ID

Payment method

amount

Payment id

Delivery Zone

Zone name

Coverage Area

Assigned Driver

No. —