Digital Solution for Enhancing the Egyptian Furniture Sector Connect-X

1) Database Schema

This part refers to the ER diagram you shared.


Tables & Descriptions:

Database Name: Furniture Sector Database

- **Skills**

  - Stores designer skills.

  - Fields: Skill ID, Skill Name

- **Designers**

  - Stores designer details.

  - Fields: Designer ID, Name, Governorate ID, Email, WhatsApp, Mobile, Status, Graduation Year, Education Department ID, Portfolio, Job Titles, Date Last Updated

- **Departments**

  - Stores university department details.

  - Fields: Department ID, Name, First Graduation Year, Head of Department, Fees Range, Faculty ID, Date Last Updated

- **Faculties**

  - Stores faculty details.

- Fields: Faculty ID, Name, Governorate ID, Website, First Graduation Year, University ID, Date Last Updated

- **Universities**

  - Stores university details.

  - Fields: University ID, Name, Governorate ID, Website, Established In, Date Last Updated

- **Suppliers**

  - Stores supplier details.

  - Fields: Supplier ID, Name, Address ID, Website, Social Media Links, Email, Mobile, Category ID, Date Last Updated, Closed Status

- **Supplies Categories**

  - Stores categories for supplies.

  - Fields: Category ID, Name, Parent Category ID, Date Last Updated

- **Governorates**

  - Stores regional information.

  - Fields: Governorate ID, Name

- **Addresses**

  - Stores address details.

  - Fields: Address ID, Governorate ID, Address Lines, Mobile, Coordinates, Date Last Updated, Closed Status

- **Producers**

  - Stores producer details.

  - Fields: Producer ID, Name, Governorate ID, Address, Website, Social Media, Email, Mobile, Product Category ID, Date Last Updated, Closed Status

- **Retailers**

  - Stores retailer details.

- **Product Categories**

    o   Stores product category hierarchy.

    o   Fields: Category ID, Name, Parent Category ID, Date Last Updated

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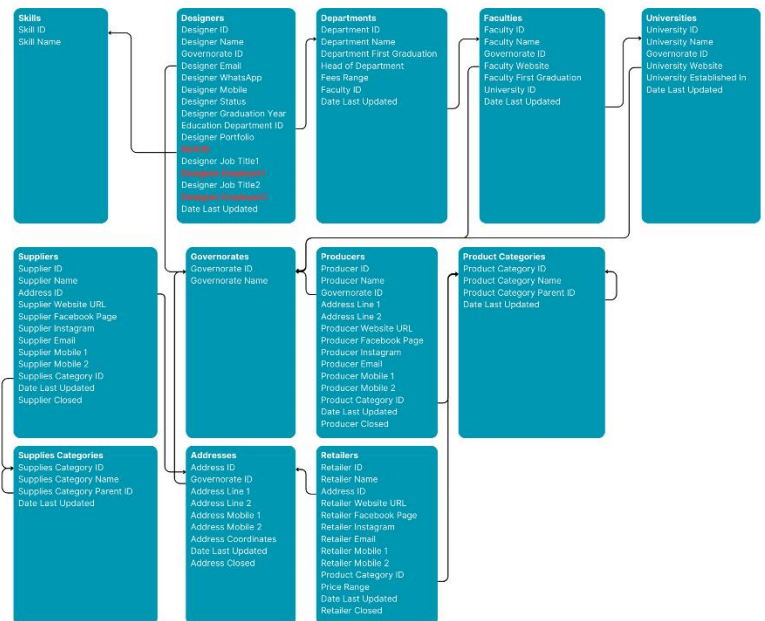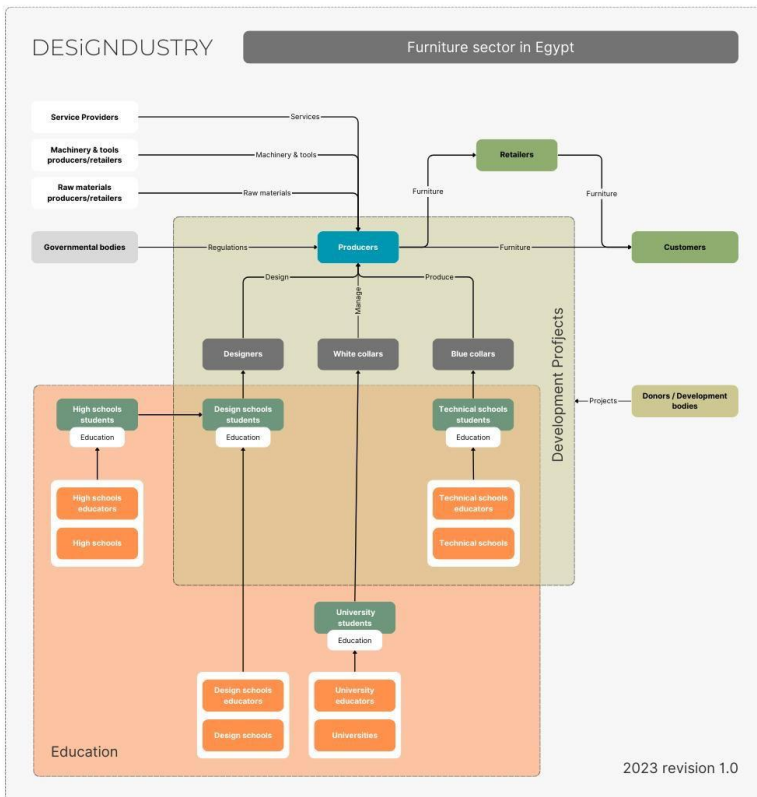
2) User Flow Diagr

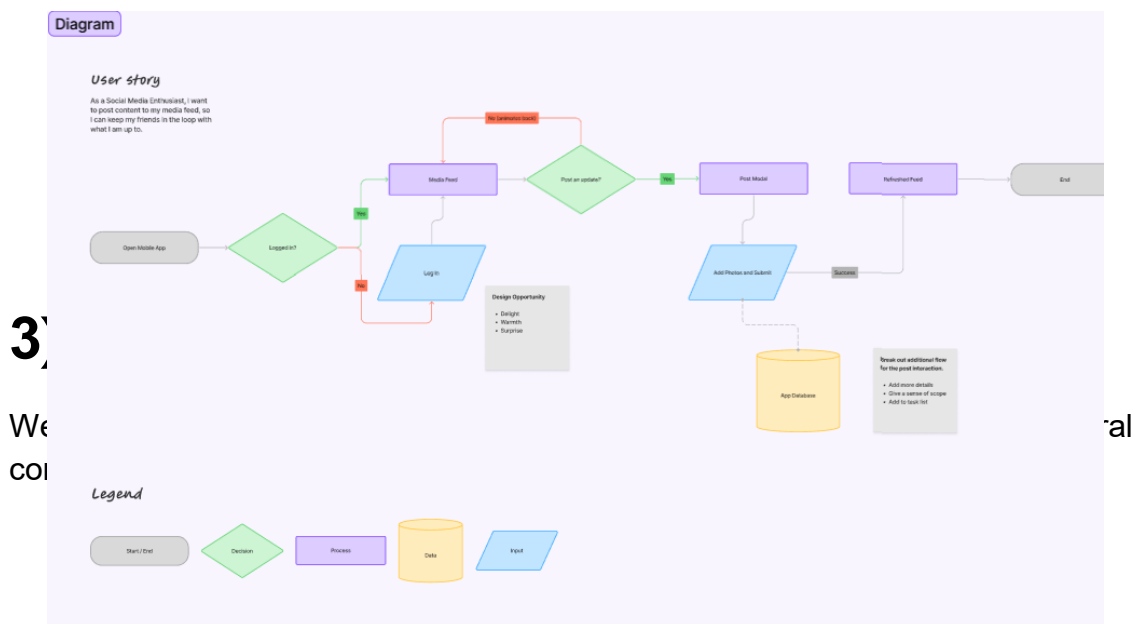Diagram Title: **Social Media App User Story**

User Story:

As a Social Media Enthusiast, I want to get content into my media feed, so I can keep my friends in the loop with what I am up to.

Flow Steps:

1. Open mobile app

2. Check if user is logged in

   o   If yes → Media Feed

   o   If no → Login → then Media Feed

3. Post an update?

   o   If no → Stay on feed

   o   If yes → Post Modal → Add Photos and Submit → App Database → Refreshed Feed

Check the Diagram here:

https://www.figma.com/board/KY633SouahRAenHD4yp7pI/solution-journey-map---flow-map?node-id=0-1&p=f

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3)

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Chatbot

- A conversational assistant to help users navigate the platform, ask for information, or get guided support.

- Example: Users can ask about available designers, nearby retailers, or materials — the bot answers instantly.
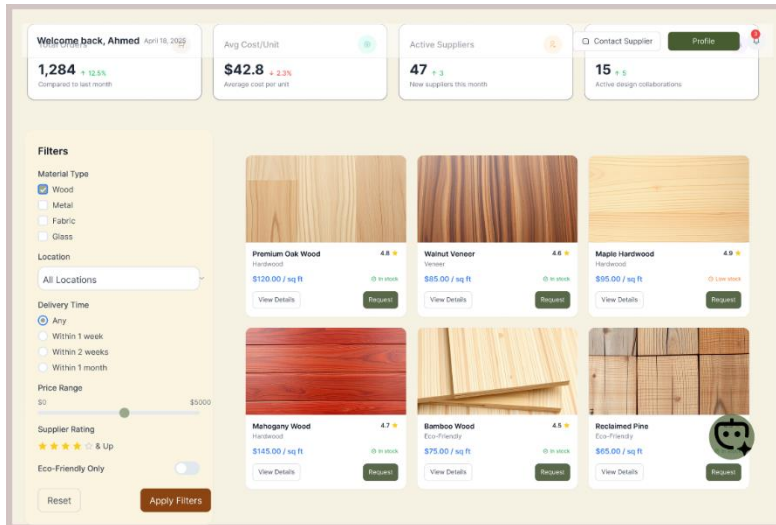
...lize key metrics, track ecosystem data,

...showing designer stats, supplier ...duction flows.

...g data dynamically across dashboards ...supplier type, or production status.

- Simple, clean, and user-friendly screens for each stakeholder type (designer, producer, retailer, a...

- Wireframes designed to ensu...

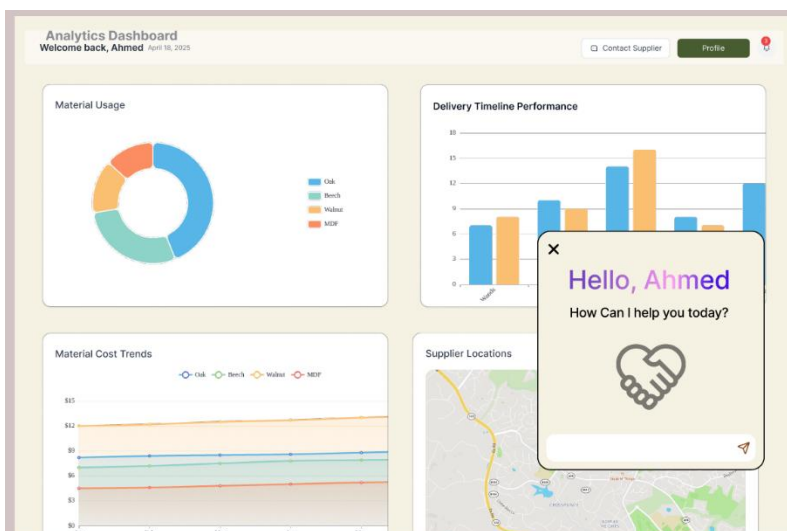**Database Integration**

- A backend structure that conn... consistency across the app —

User Flow Testing

- We created and tested a typic... sharing, including decision po...

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1Tn2l2sZpN-1&scaling=scale-
%3A1&starting-point-node-