



Esaltare Dekör

Graduation Project 2025

Computer Science Department

Under supervision :

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Esaltare
Dekör

Team Members



Ziad



Saad



Karim



Shimaa



Baraa

Agenda

1. Problem
2. Existing solutions
3. Brief overview of Esaltare Dekör
4. Chatbot Integration
5. Administration
6. Esaltare Dekör 3D Designer Tools
7. Results

1. Problem

Problem

The main challenges in home decor and interior design are the difficulties many people face in making the right decisions. This often leads to prolonged periods of indecision and time wastage, as individuals struggle to choose styles and elements that truly reflect their personalities.

Additionally, a lack of long-term self-understanding can result in confusion and hesitation, making it even harder to select decor that will remain satisfying and meaningful over time.

Many online shoppers struggle to find products that match their preferences and needs, leading to frustration and wasted time. Additionally, users often cannot visualize how products will look in their own spaces.

Problem

This project aims to address these issues by providing personalized and sustainable solutions that help individuals make confident and informed choices for their living spaces.



2. Exiting solutions

Exiting solutions

IKEA Egypt



Homzmart



La Casa



Exiting solutions

Magali's



TULIP



Real World Example Of Startups

7agat



You can deceive anyone by lowering the price of your product, but what is your product made of or where does it come from? This is a major disaster that you bring used products and pretend to the user that they are real or new products. Then comes the lies and lack of trust in not respecting the customer, and there come workshops to work on repairing damaged products and displaying them as new products. This is a major disaster.

Exiting solutions Problems

- Lack of Integrated Personality-Based Recommendations:
- Limited AI Chatbot Capabilities.
- Absence of an Interactive Shopping Experience
- Lying and fraud in marketing

3. Brief overview of Esaltare Dekör

Brief overview of Esaltare Dekör

Esaltare Dekör is an online e-commerce platform tailored for the home decor industry, offering an enhanced and interactive shopping experience.

- A key feature is the integration of advanced 3D Design
- AI-powered support chatbot
- Deliver seamless shopping experience
- Empower vendors with tools and Packages
- Enable intelligent assistance
- Ensure secure order fulfillment
- Full Powered Administration



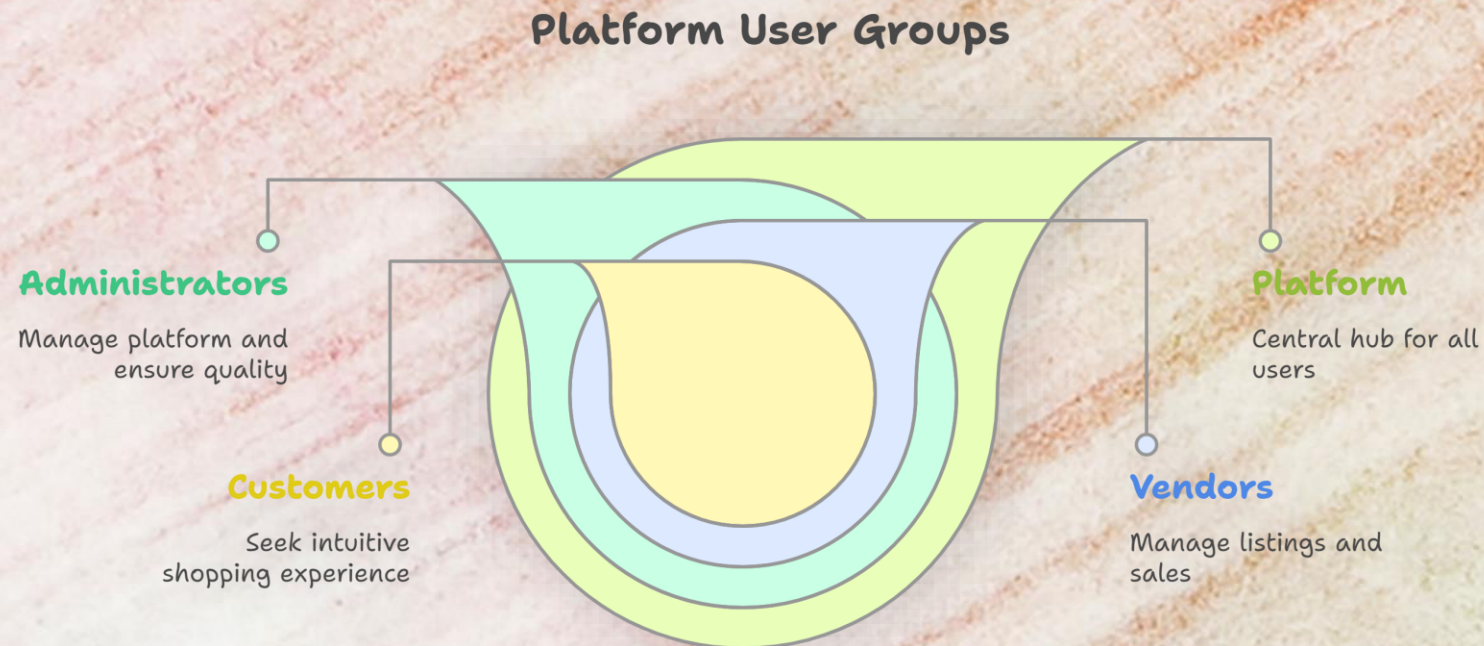
Brief overview of Esaltare Dekör

Esaltare Dekör Core Our platform is designed to serve **three core user groups**:

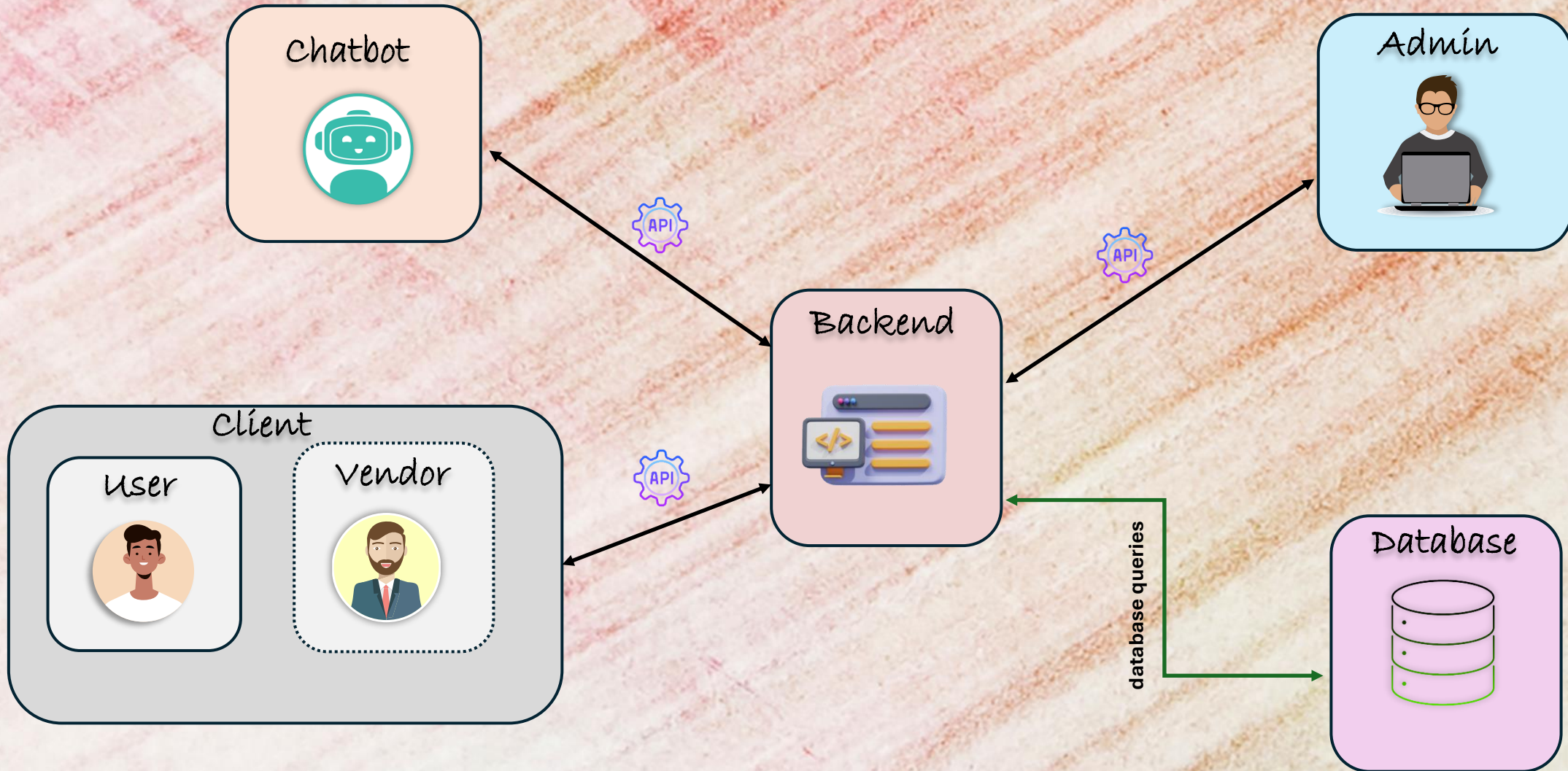
Customers : who seek an intuitive and tailored shopping experience

Vendors : who need efficient tools to manage product listings and sales operations

Administrators: who require robust systems for platform management, analytics, and quality assurance.

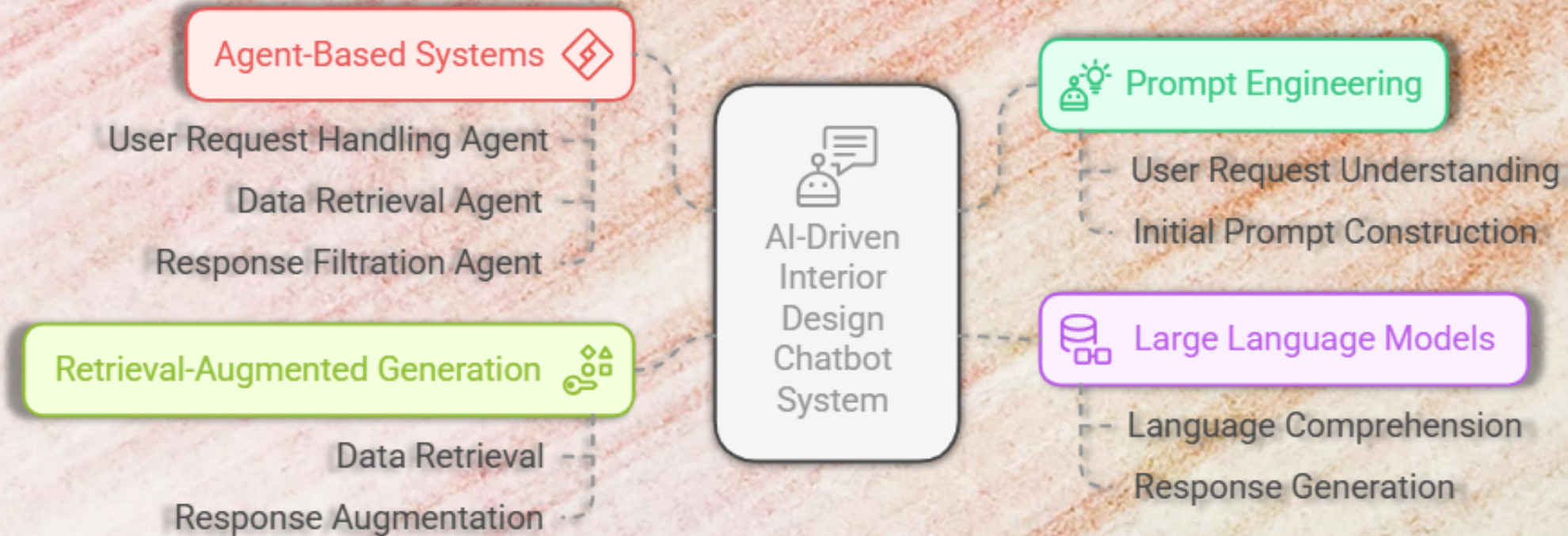


Esaltare Dekör System Architecture



4. Chatbot Integration

Chatbot Integration

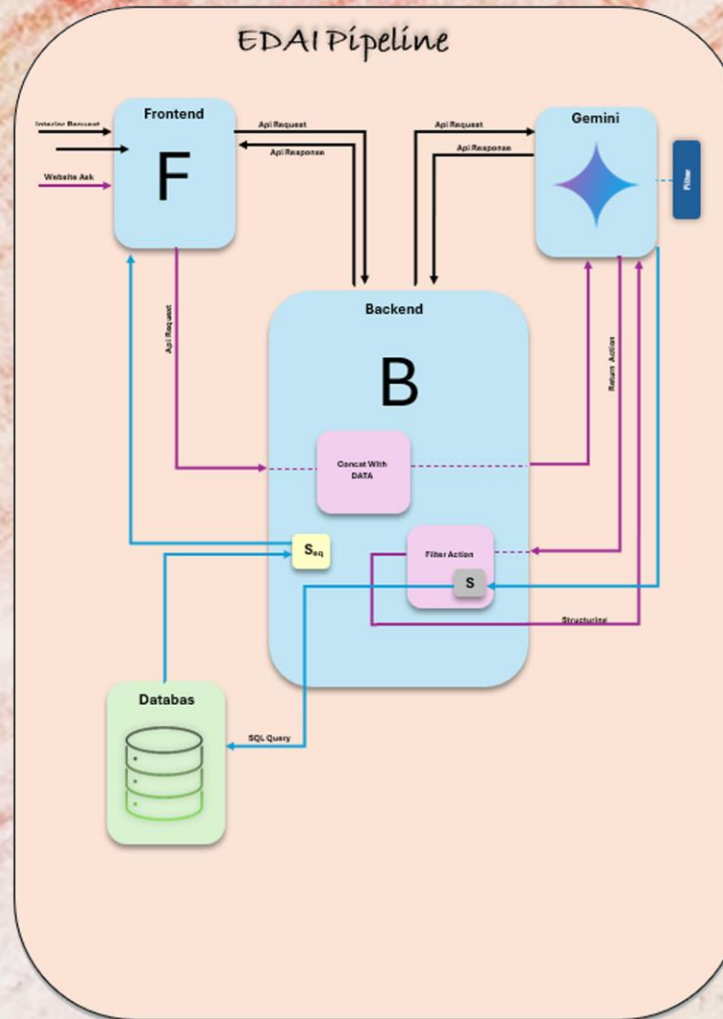


Chatbot Integration

Large Language Models (LLMs): Foundation for advanced AI applications.

1. **Prompt Engineering:** Guide your chatbot with precise instructions.
2. **Retrieval-Augmented Generation (RAG):** Enhance chatbot answers using personalized data.
3. **Agent-Based Systems:** Create specialized components for efficient and accurate chatbot responses.
4. **Market Basket Analysis Recommendation Engine:** Build a recommendation engine from scratch.

AI Model Architecture EDAI



5. Administration

Administration

Admin is the central control system responsible for overseeing, managing, and optimizing all core operations of a platform and there is some of its operations :

- Product Management
- Categories and Subcategories Manage
- Products Manage
- Brands and Order Management
- Vendor Management
- Announcement Management

6. Dekor 3D Designer Tools

Esaltare Dekor 3D Designer Tools

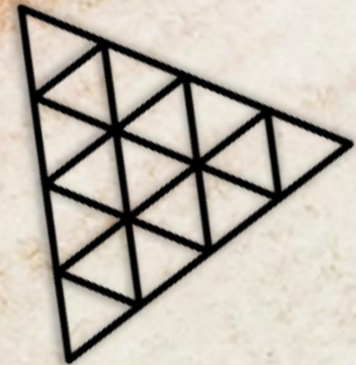
The 3D design tool enables the user to enter a virtual world where he can interact with complete structures by taking the 3D designs and placing them in a suitable place to match the appropriate decorations with

Key Features:

- **Model Management Panel:** View, select, or delete models from the scene. Rename or categorize elements for better organization.
- **Dimensional Control :** Adjust width, height, and depth interactively. Scale objects to fit space accurately using sliders or direct numeric input.

Technologies Used:

- **React.js** – for building the user interface
- **React Three Fiber** – for rendering and managing 3D scenes in the browser
- **Three.js** – for low-level 3D graphics and geometry control



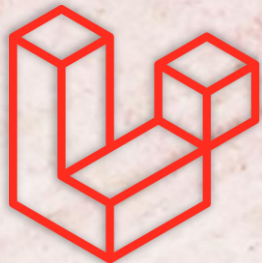
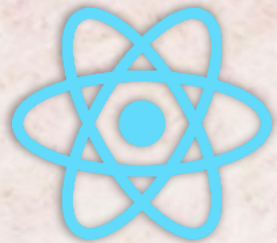
Esaltare Dekör Technologies used

Esaltare Dekör is built using the following technologies:

React.js: For frontend development.

MySQL Database : For database management.

Laravel : For backend development



Esaltare Dekör technologies



React.js

Used for building the frontend of the application.



MySQL Database

Used for managing the application's database efficiently.



Laravel

Used for developing the backend functionalities of the application.

7.Results

Sale Up To 40% Use The code Ziad40 for Sale 🏠

[Home](#) [About](#) [Categories](#) [ContactUs](#) [3D Designer](#) [Compare](#) [AllProducts](#)



search...



♥ My Favourite 🛒 Your Cart [Login](#) [Signup](#)

[Furniture](#) [Storage Units](#) [Home Decor](#) [Office Furniture](#) [Lighting](#) [Fabrics & Upholstery](#) [Kitchen & Bathroom](#) [Home Appliances](#)



Limited time offer

15%
off*

On all kitchens



3D Models

Shell Chair



Chair



Antique
Chair



Old Chair



Dining

Dining Table



Table

sofa



Upload Background

Upload Image
Click or drag to
select

Model Customization

Width:

Height:

Left

Right

Up

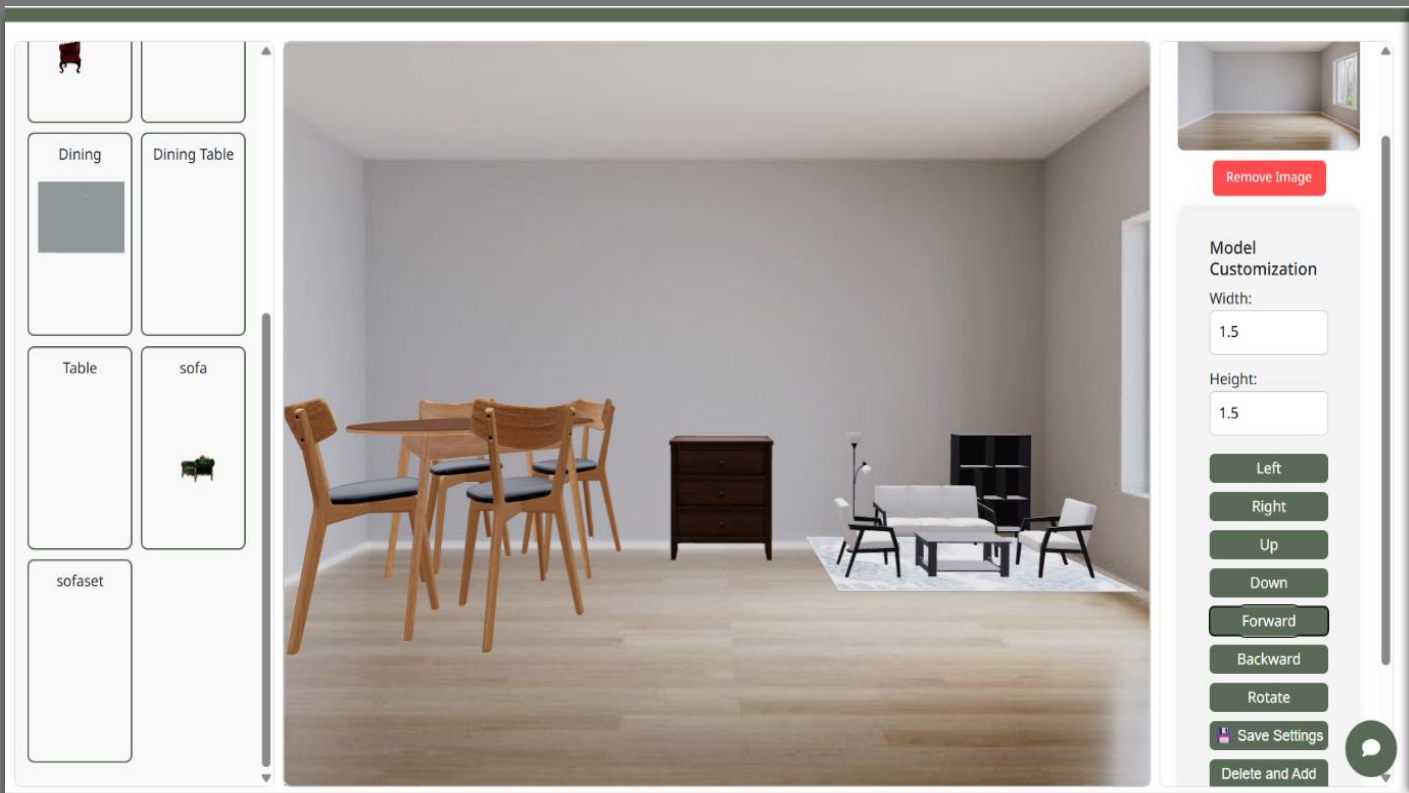
Down

Forward

Backward

Rotate







@ My Account

[MyPackage](#) [Profile](#) [Add Product](#)



Welcome to Esaltare Dekor Console Packages Please Select A Package To Subscribe

basic package	standard package	premium package
BASIC	STANDARD	PREMIUM
\$10,99	\$29,99	\$49,99
Compact Size	Modern Look	Smart Features
Easy Assembly	Comfort Padding	Designer Touch
Neutral Colors	Modern Look	consectetur
BUY NOW	BUY NOW	BUY NOW



Esaltare Dekor

Dashboard

Catalog

Client

Announcement

Orders

Marketing

Reviews

Inbox

Setting



\$22,111.00

In-house Earnings

\$10,333.01

Commission Earned



\$10,333.01

Delivery Charge Earned



\$10,333.01

Total Tax Collected



\$10,333.01

Pending Amount



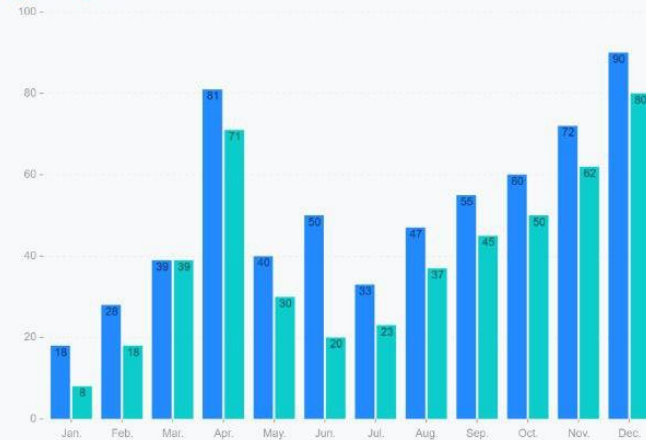
Active Users

150

Active Page	Users
/products/brands	15
/categories/product	15
/account/order	15
/cart	15
/checkout	15
/pages/about-us	15

Income Statistics


Inhouse Vendor



Esaltare Dekor

- Dashboard
- Catalog
- Categories List
- SubCategories List
- Products List
- Brands List
- Posts List
- Client
- Customers List
- Vendors List
- Vendors Panel
- Announcement
- Orders
- Marketing
- Reviews
- Inbox

Vendor Details



Karim Hazem

karimziadsaad@gmail.com

Brand Name

(+02) 01120552462

Last Product: 7 days ago - [product name](#)

Average Product Value: \$200.01

Registered: 2 months ago

Email Market: Subscribed

Notes about vendor



Products

Total Earn \$10950 on 20 products

Id	Product Name	Brand Name	Date	Status	Product Price
1	Modern Sofa Set	Urban Living	June 26, 2025	Published	\$1000
2	Vintage Table Lamp	Luxe Lights	June 24, 2025	Pending	\$450
3	Handwoven Area Rug	Cozy Textiles	June 20, 2025	Published	\$1300
4	Wall Art Canvas	Artistic Homes	June 18, 2025	Rejected	\$600
5	Decorative Throw Pillows	Comfy Living	June 15, 2025	Rejected	\$200
6	Minimalist Coffee Table	Elegant Spaces	June 10, 2025	Published	\$2100

Show 5 Products per page

1

2

3

Address

Karim Hazem
in the address "789 Pine Avenue," "789 Pine Avenue" would go in Address Line 1

DekorHC

Search For Items

English






3

Admin
Master Admin

Vendor Panel List

Search by Brand, Vendor, P

Export

GE	VENDOR NAME	BRAND NAME	PRODUCT NAME	LENGTH	WIDTH	HEIGHT	PRODUCT DESCRIPTION	PRODUCT CATEGORY	PRODUCT SUBCATEGORY	PRODUCT PRICE	REGISTERED	APPROVAL
	Karim	Bonus brand Arflex	Sofa	100cm	100cm	100cm	how do you... Read More	Sofa	Living Room	\$100	May 15, 2025	Rejected
	Alice	Luxury Living	Dining Table	100cm	100cm	100cm	how do you... Read More	Table	Dining Room	\$300	June 20, 2025	Published
	John	Comfort Zone	Armchair	100cm	100cm	100cm	how do you... Read More	Chair	Living Room	\$150	July 10, 2025	Pending
	Sophia	Modern Home	Coffee Table	100cm	100cm	100cm	how do you... Read More	Table	Living Room	\$200	August 5, 2025	Published
	Michael	Classic Designs	Bookshelf	100cm	100cm	100cm	how do you... Read More	Storage	Living Room	\$250	September 15, 2025	Rejected

Show

5

Vendor Panel per page

1

2



Thank You