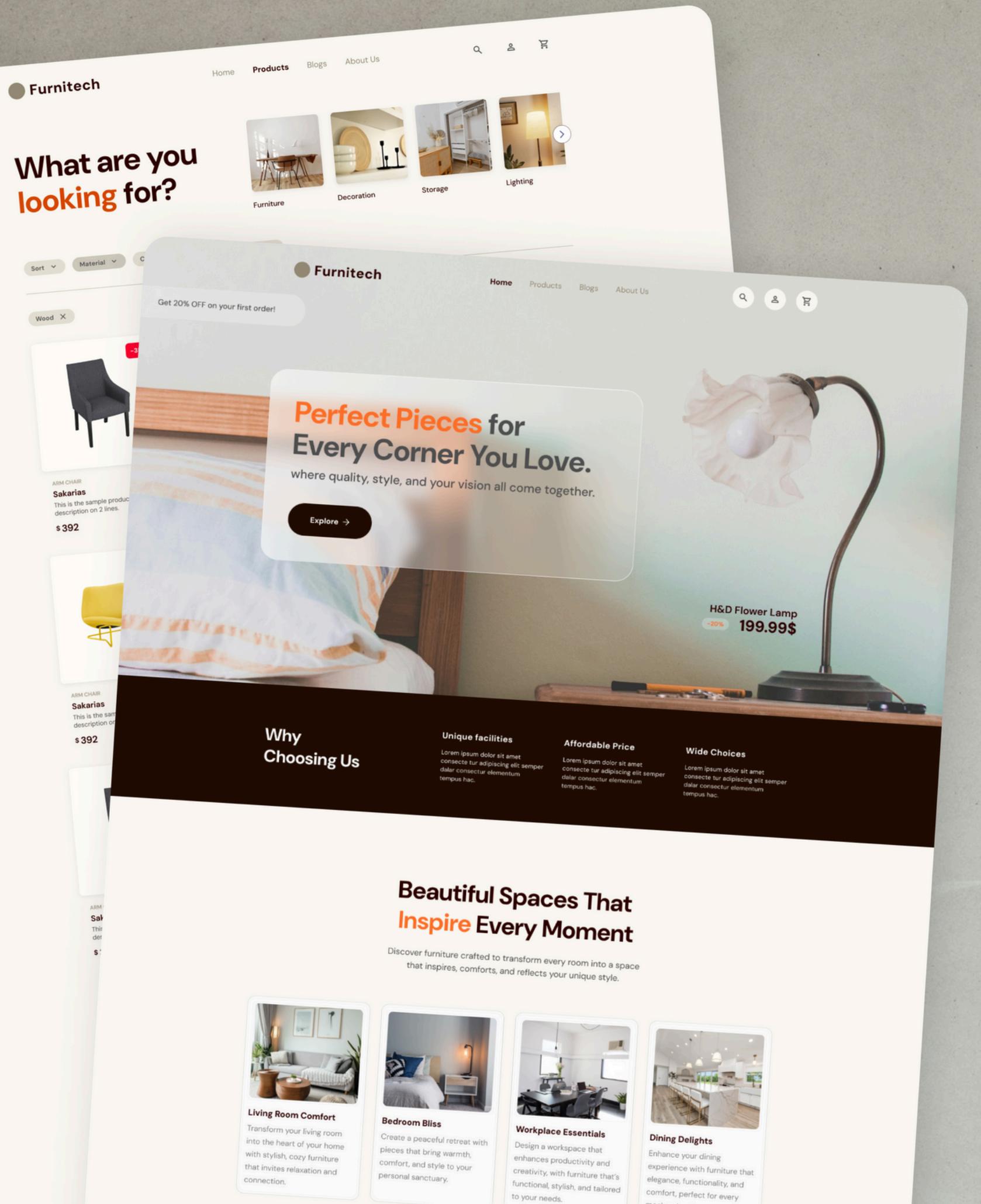


# Web Application Development



# Furnitech

## Furniture Ecommerce Website

# Team Members

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# Table of Contents

Chapter 1  
**INTRODUCTION**

Chapter 2  
**TIMELINE & TASK DIVISION**

Chapter 3  
**USE CASE DIAGRAM**

Chapter 4  
**DATABASE**

Chapter 5  
**INTERFACE**

Chapter 6  
**CONCLUSION & REFERENCES**

Chapter 7  
**Q&A – DEMO**

Chapter 1

# Introduction

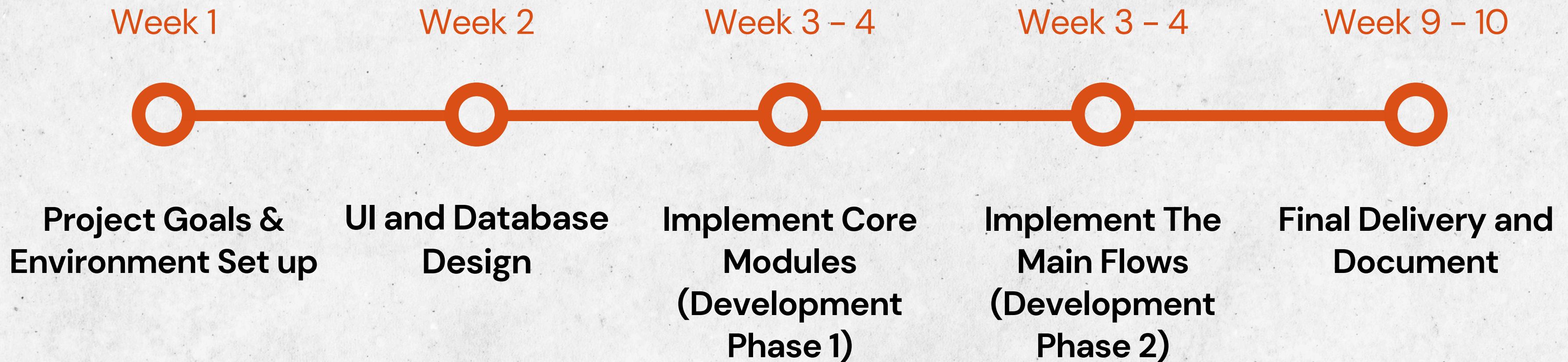


## Chapter 2

# Timeline & Task Devision



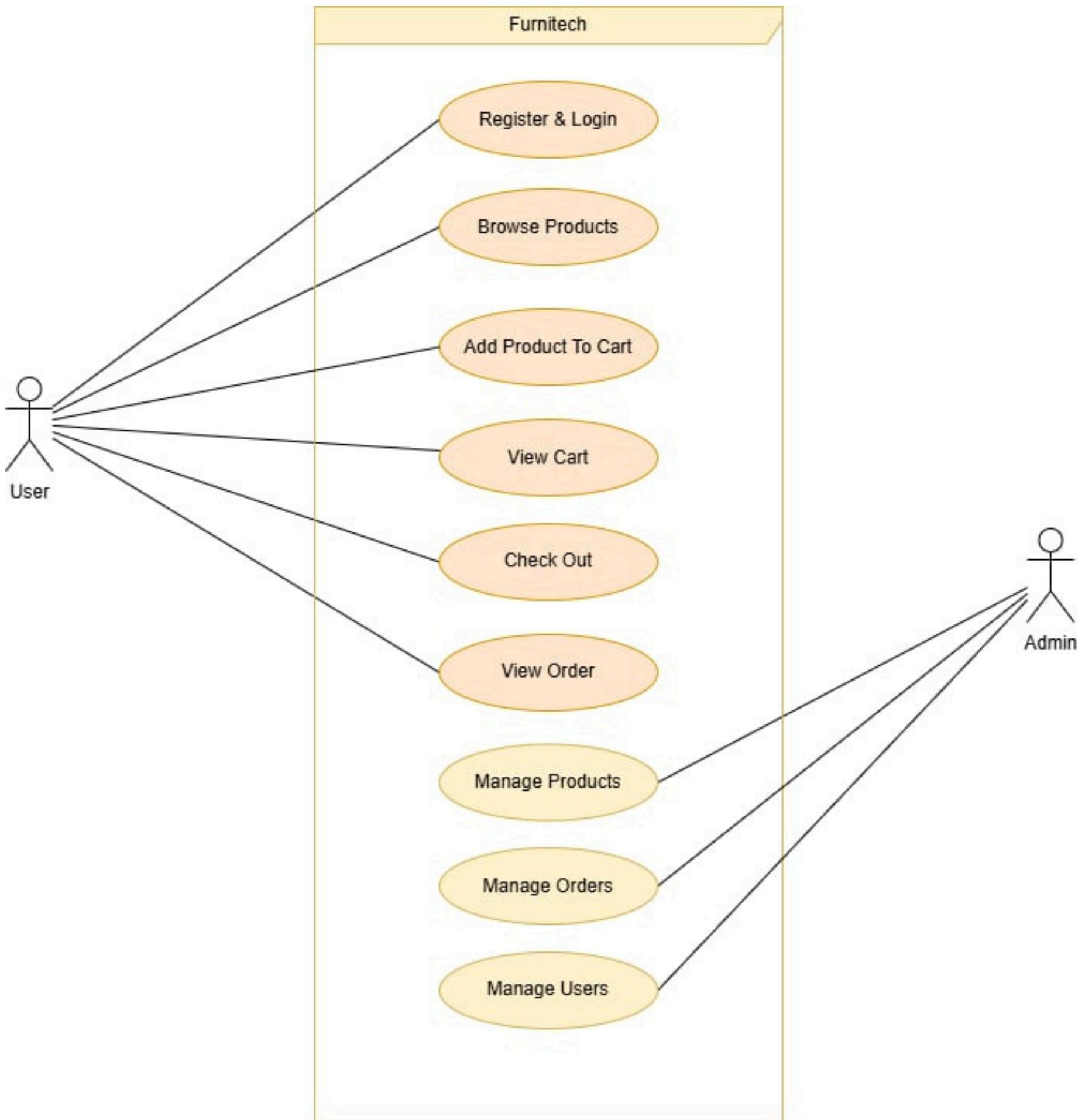
# Timeline





# Task Division

Name	Responsibility
Huỳnh Thanh Thủy	Front-end Developer UI/UX Developer
Đoàn Hữu Nguyên	Back-end Developer Tester
Nguyễn Vạn Huy	Front-end Developer
Nguyễn Phạm Kỳ Phương	Back-end Developer Database Developer



# Chapter 3

# Use Case Diagram

## Use Cases for **User**

# Login & Register

- **Primary Actor:** User
- **Goal:** Allows new users to create or log in to an account.
- **Pre-Conditions:** User has access to the system's login or registration page. Registration requires an internet connection and all mandatory fields to be filled.

### Main Flow:

1. Access the login page.
2. Navigate to the registration page if creating an account.
3. Enter information to log in or register
4. Submit the registration or login form.

## Use Cases for **User**

# Add Product to Cart

- **Primary Actor:** User
- **Goal:** Allows users to select items, view detailed product information, and add them to their shopping cart.
- **Pre-Conditions:** User is logged in or shopping as a guest. The system has available inventory of the selected product.

### Main Flow:

1. Selects a product from the list or details page.
2. Clicks the "Add to Cart" button in the pop-up.

## Use Cases for Admin

# Manage Products

- **Primary Actor:** Admin
- **Goal:** Add, edit, or delete furniture products from the system.
- **Pre-Conditions:** Admin is logged into the admin panel. Admin has necessary permissions to manage products.

### Main Flow:

1. Admin logs into the admin panel.
2. Admin navigates to the order management section.
3. Admin views a list of orders.
4. Admin updates the status of a specific order.
5. System saves the updated order status.

## Use Cases for Admin

# Manage Orders

- **Primary Actor:** Admin
- **Goal:** Allows admins to update, track, delete orders, and modify user shipping information for customer orders.
- **Pre-Conditions:** Admin is logged into the admin panel. Admin has necessary permissions to manage, update, or delete orders and modify user shipping information. The order exists in the system.

### Main Flow:

1. Admin logs into the admin panel.
2. Admin navigates to the order management section.
3. Admin selects a specific order from the list.
4. Admin updates the user's shipping information (e.g., address, contact info).
5. Admin selects the option to delete the order (optional).
6. Admin confirms deletion (optional).
7. System removes the order and updates the order list.

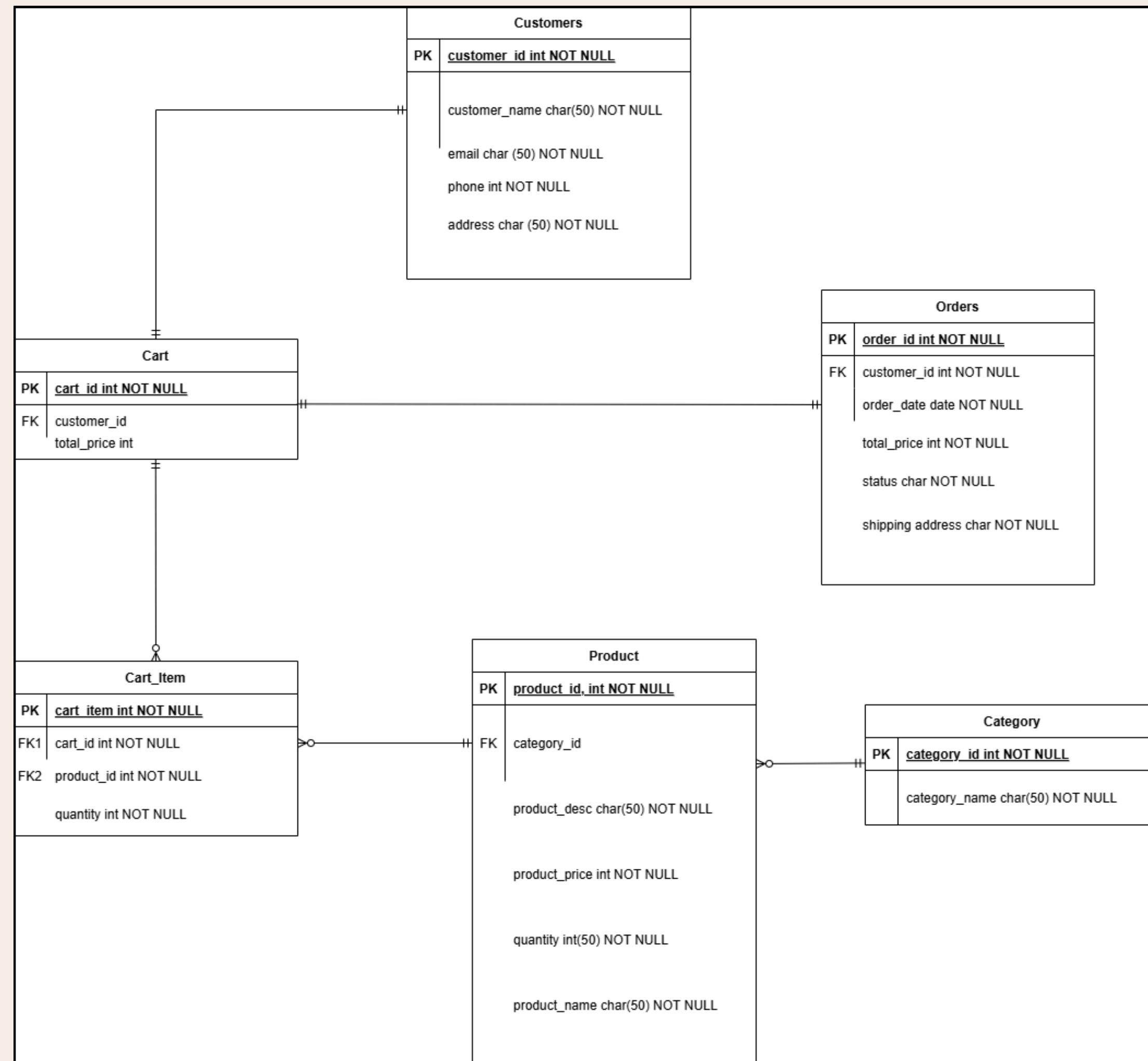
## Chapter 4

# Database

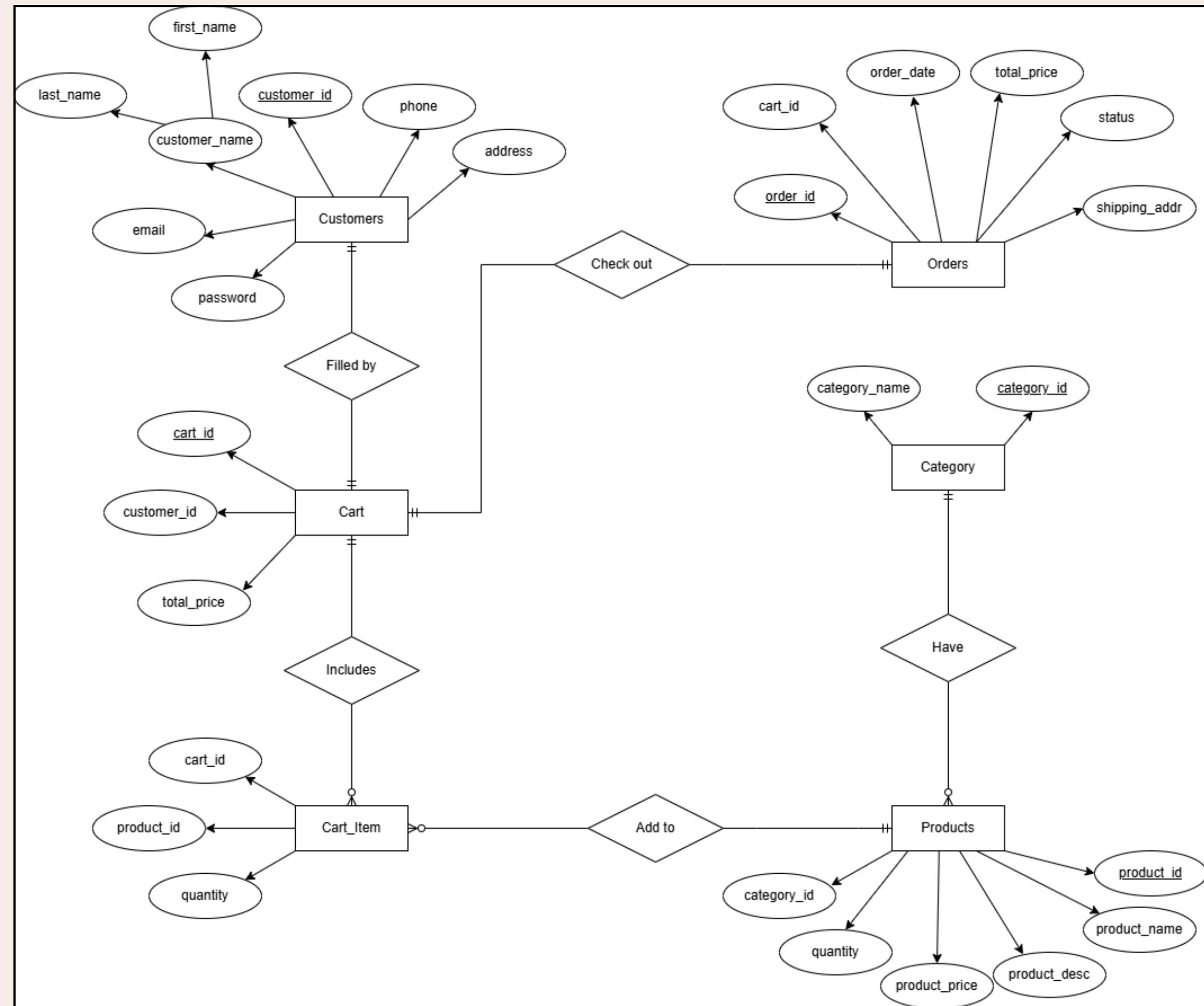
- Database Schema
- Entity Relationship Diagram



# Database Schema



# Entity Relationship Diagram





# Chapter 5

# Interface

# Login Page

 **Furnitech**

[Home](#) [Products](#) [Blogs](#) [About Us](#)

[!\[\]\(0fee90055c33b690097ce6e49c052bde\_img.jpg\) Back](#)



**Log in to your  
Furnitech Account.**

Email

Password  
 

Stay logged in [Forgot Password?](#)

**Login**

Do not have an Furnitech account yet? [Sign up now](#)

# Register Page

**Furnitech**

Home Products Blogs About Us

🔍 🚙 ⚡

◀ Back

STEP 1 OF 2

### Create a Furnitech Account.

First Name  Last Name

Email

Phone Number

Address

**Continue**

Already have a Furnitech account? [Login now](#)

STEP 2 OF 2

### Create a Furnitech Account.

Password

Make sure your password contains:  
• Minimum of 8 characters  
• At least one UPPERCASE letter  
• At least one lowercase letter  
• At least one number or one special character

Re-enter Password

I have read and understood the Terms & Conditions.

**Confirm**

**Back**

Already have a Furnitech account yet? [Login now](#)

# Landing Page

The landing page for Furnitech features a large, warm-toned photograph of a bedroom. In the foreground, a wooden desk holds a vintage-style H&D Flower Lamp with a white, ruffled shade. A striped bed with orange and white bedding is visible in the background. A central callout box contains the text "Perfect Pieces for Every Corner You Love." in orange and grey, followed by the subtitle "where quality, style, and your vision all come together." Below this is a black "Explore →" button. At the top, the Furnitech logo is displayed with a navigation bar including Home, Products, Blogs, About Us, and user icons for search, profile, and cart.

Get 20% OFF on your first order!

**Perfect Pieces for Every Corner You Love.**

where quality, style, and your vision all come together.

**Explore →**

**H&D Flower Lamp**  
-20% **199.99\$**

**Why Choosing Us**

**Unique facilities**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, semper dolor consectetur elementum tempus hac.

**Affordable Price**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, semper dolor consectetur elementum tempus hac.

**Wide Choices**  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, semper dolor consectetur elementum tempus hac.

The landing page for Furnitech features a large, light-colored photograph of a modern interior space. Overlaid on this are four smaller, rounded rectangular boxes representing different room types: "Living Room Comfort", "Bedroom Bliss", "Workplace Essentials", and "Dining Delights". Each box contains a small image of the room type, a title, and a brief description. The Furnitech logo is at the top, followed by a navigation bar with Home, Products, Blogs, and About Us, and user icons for search, profile, and cart.

**Beautiful Spaces That Inspire Every Moment**

Discover furniture crafted to transform every room into a space that inspires, comforts, and reflects your unique style.

**Living Room Comfort**  
Transform your living room into the heart of your home with stylish, cozy furniture that invites relaxation and connection.

**Bedroom Bliss**  
Create a peaceful retreat with pieces that bring warmth, comfort, and style to your personal sanctuary.

**Workplace Essentials**  
Design a workspace that enhances productivity and creativity, with furniture that's functional, stylish, and tailored to your needs.

**Dining Delights**  
Enhance your dining experience with furniture that's elegant, functional, and comfortable, perfect for every meal and gathering.

# Product Page

 **Furnitech**

Home **Products** Blogs About Us  

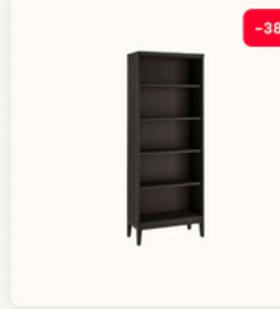
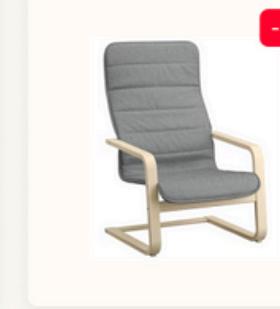
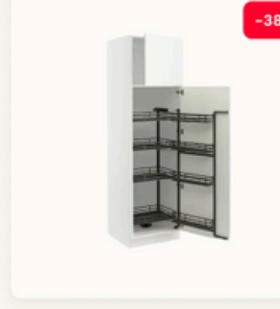
**What are you looking for?**

Furniture Decoration Storage Lighting

Sort  Material  Color  Price  Space 

Wood  162 Items

 ARM CHAIR <b>Sakarias</b> This is the sample product description on 2 lines. \$ 392 	 ARM CHAIR <b>Sakarias</b> This is the sample product description on 2 lines. \$ 392 	 ARM CHAIR <b>Sakarias</b> This is the sample product description on 2 lines. \$ 392 	 ARM CHAIR <b>Sakarias</b> This is the sample product description on 2 lines. \$ 392 
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# Cart & Checkout Page

**Furnitech**

Home Products Blogs About Us

Continue Shopping

**Your Cart**

[Remove All Items](#)

	Sakarias Color, Size	\$392
-	1	+
	Sakarias Color, Size	\$240
-	1	+

[Remove](#)

**Order Summary**

Subtotal	\$632
Delivery Fee	\$5
Total	\$637

[Checkout Now](#)

**Furnitech**

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**Product** Categories  
Reviews  
New Collections

**Company** About  
Contact us

**Support** Help center  
Chat support

**Follow us**

[Facebook](#)  
[Twitter](#)  
[Instagram](#)  
[LinkedIn](#)  
[YouTube](#)

**Furnitech**

Home Products Blogs About Us

Continue Shopping

**Thank you!**

YOUR ORDER HAS BEEN RECEIVED.

**Order Details**

Number of Items	2
Date	16 Jan, 2024
Subtotal	\$632
Delivery Fee	\$5
Total	\$637

**Products**

	Sakarias Color, Size	\$392 x1
	Sakarias Color, Size	\$240 x1

**Customer Details**

Name	John Doe
Address	16 Jan, 2024
Email	johnn@gmail.com
Phone	(+00) 000 000

**Furnitech**

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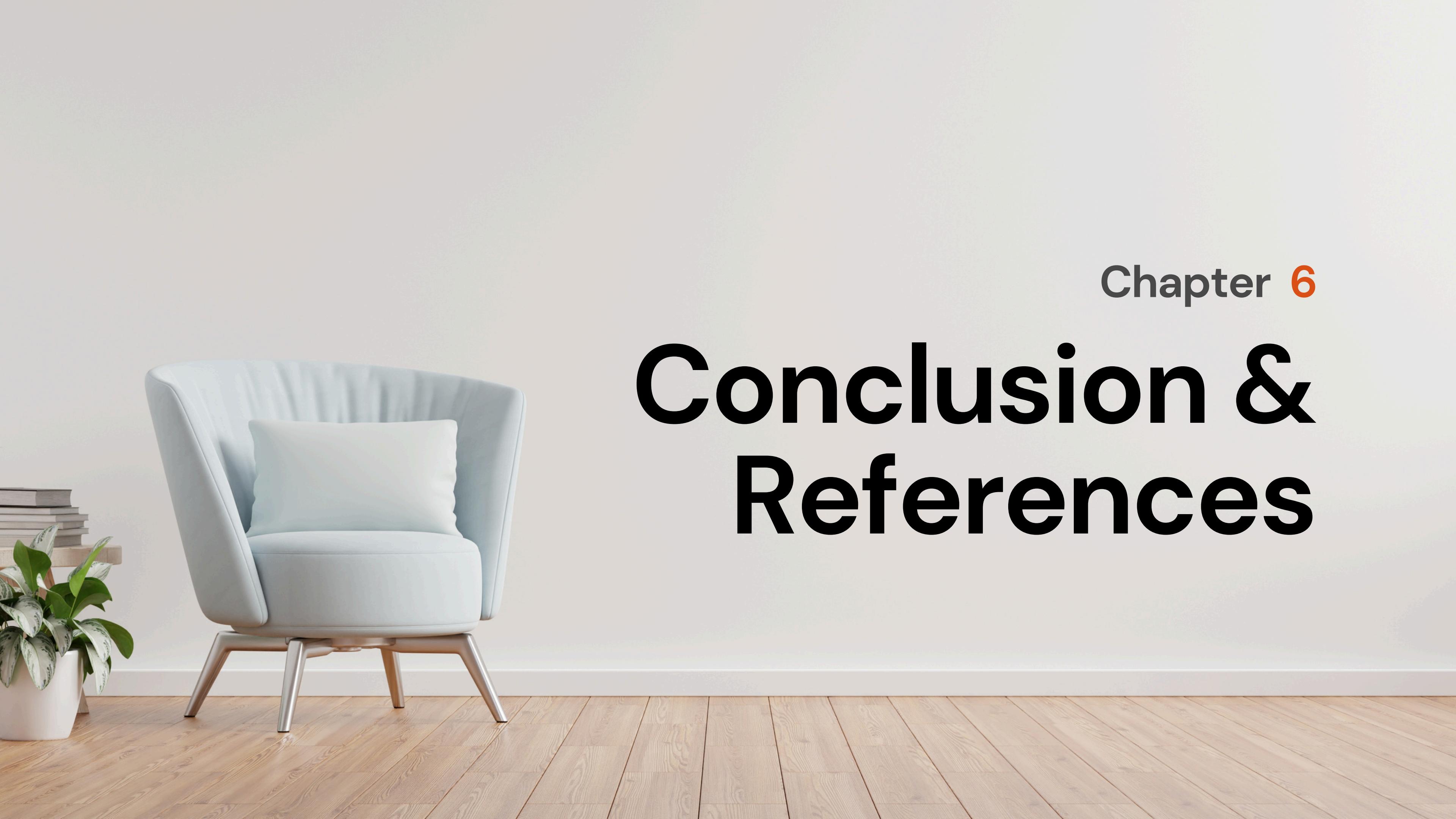
**Product** Categories  
Reviews  
New Collections

**Company** About  
Contact us

**Support** Help center  
Chat support

**Follow us**

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[Twitter](#)  
[Instagram](#)  
[LinkedIn](#)  
[YouTube](#)



Chapter 6

# Conclusion & References

# Furniture Work

## Personalization

Implement recommendation system for personalized product suggestions.

## Advanced Search

Enabling intelligent search with auto-complete, image search, and multi-criteria filtering.

## Payment Integration

Supporting multiple payment gateways, including digital wallets.

## Advanced Search

Creating a dashboard for administrators to monitor sales, user activity, and inventory.

## Order Tracking

Adding real-time order tracking for better shipment visibility.

## Enhance Security

Strengthening authentication with two-factor verification and regular assessments.

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Chapter 7

# Q&A - Demo



Thanks for your  
listening.