

FurniMart

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FurniMart

ACKNOWLEDGEMENT

It is matter of great pleasure for us to get this opportunity expressing our sincere sense of gratitude to Saurashtra University.

My external guide was the main force behind all these because of his valuable suggestions and proper guidance for this project. He taught me most importantly how to work in an organization, how to complete given work within deadlines, working under pressure and being independent.

It is our great pleasure to present our project report on “FurniMart Furniture Store” which developed during the 5th Semester in BCA affiliated to Saurashtra University, Rajkot.

I would like to thanks principal and lecturers of the “M.V.M.M. Com. Sci. & Management College” for Better guidance me and provide me a permission to collect all information about My project. I also like to say thanks to all my classmates that are always helping me directly and indirectly.

Thank You

Developed By

Dhrumil Bhindora

Nidhip Solanki

FurniMart

PREFACE

To achieve all this, there is a need of good computer literacy and for this, there are so many course.

A student of BCA according to the syllabus subscribed by Saurashtra University is required to submit project report as practical training. The main objective is to develop awareness regarding the application of theories in the practical world of Information Technology or Management and to give exposure to the student.

For this, we have prepared project work on FurniMart Furniture Store which is portal for buying and giving information of furnitures like chairs, sofa, table, etc. . .

FurniMart

PROJECT PROFILE

Project Name :- FurniMart Furniture Store

Develop By :- Dhrumil Bhindore & Nidhip Solanki

Submitted To :- MVMM Computer Sci. Collage, Wankaner

Front End :- PHP

Back End :- MYSQL

Documentation :- Microsoft Word

Project Guide :- Pro. Sanjay Parmar

Project Duration :- Academic Year 2023-2024,
5th Semester of BCA.

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INTRODUCTION TO PROJECT

In traditional system customer is going to the store and purchase thing that he or she want but now customer can purchase or buy anything online.

In our website customer can buy any kind of furniture that they want. Furniture is not just about how things look. It's also about how they work and fit into our homes and offices.

There is two side in this project : (i) Admin Side (ii) Client Side

Admin can manage whole website. Admin can add admin, categories, products. Update categories, products. Admin can see all products, categories, payments, users.

Client can buy furniture from website. Client can search through search bar and can go with category that he/she want to buy.

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HARDWARE & SOFTWARE REQUIREMENTS

➤ Hardware:

- I3 or higher processor
- Free disk space 250MB
- 4GB or higher RAM
- Color Monitor
- Internet Connection
- Keyboard
- Mouse

➤ Software:

- Windows 7 or higher
- Xampp
- Notepad/Notepad ++
- Browser(Chrome, Mozilla Firefox, Microsoft Edge, ETC..)

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TOOLS

FRONT END:

➤ PHP :-

- PHP (Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.
- PHP files can contain text, HTML, CSS, JavaScript, and PHP code.
- PHP code is executed on the server, and the result is returned to the browser as plain HTML.
- PHP can generate dynamic page content.
- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- PHP support multiple database.

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➤ BOOTSTRAP :-

- **Bootstrap** is the most popular **CSS Framework** for developing responsive and mobile-first websites.
- Bootstrap has its own classes that makes its very easy framework of css.
- We can easily design our website using this framework.
- Bootstrap is free (open source).

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BACK END :

➤ MYSQL :-

- MySQL is a relational database management system.
- MySQL stores data in tables made up of rows and columns. Users can define, manipulate, control, and query data using Structured Query Language, more commonly known as SQL.

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System Requirement Study

The requirements gathering process is intensified and focused specially on website. Website requirement analysis encompasses understanding the information domain for the website as well as required function, performance, behavior and interfacing. Requirements for both the system and the software are documented and reviewed with the customer.

1. Design

Website design is multi-step process that focuses on four distinct attributes of a program : data structure, website architecture, interface representation, and procedural details.

2. Code Generation

The design is translated to machine - readable form. If design is performed in a detailed manner, code generation, can be accomplished mechanistically.

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3. Testing

The testing process focuses on the logical internals of the website, assuring that all the statements have been tested, and on the functional externals i.e, conducting tests to uncover errors and ensure that defined input will produce actual results that agree with requires skills.

4. Maintenance

Website maintenance applies to following phases in the existing program:

- Change in website due to errors.
- Change in website because the website must be adapted to accommodate changes in its external environment.
- Change in website when the customer requires functional.

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Project Planning

The purpose of developing this system is to fully automate the online shopping for furniture.

❖ Project Scheduling :

This website “FurniMart Furniture Store” focuses on selling furniture online. Client/user can buy furniture from this website. In this website the primary user is ‘Admin’ who can add, delete, update products or categories or users. Here people can buy furniture using categories as their requirements and choice.

❖ Project features:

- New products and categories can Add, Update and Delete.
- Admin can see all the stuff of website.
- Admin can change category, price and information of products.

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- Admin can see users list, payment list.
- Client/User need to login for buying product. If user not registered them self to website they need to register first and then login through username and password.
- Client/User can buy products through search bar or category wise also.
- After buying and completing payment user can download/generate invoice of product that he or she purchased.

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Basic Functionality of project:

❖ Client :

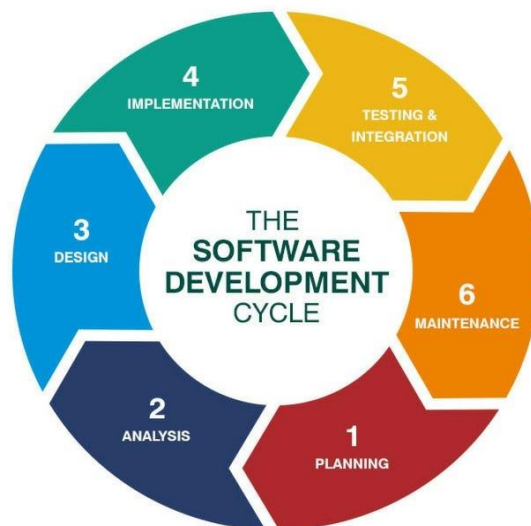
- Login
- Registration
- View category
- View products
- Pending orders
- All orders
- Payment and invoice
- Logout

❖ Admin :

- Login
- Add products
- View products
- Edit products
- Add category
- View category
- Edit category
- View users
- Edit users
- View orders
- Edit orders
- View payments
- Logout

SDLC(Software Development Life Cycle)

- SDLC stands for software development life cycle.
- The software development life cycle (SDLC) is a process by which software is developed and deployed.
- It is also called as software development process.
- The SDLC is blue print of entire project.
- A project manager can implement as SDLC process by following various models.
- SDLC is process followed for a software project, with in a software organization.
- It consists a detailed plan describing how to develop, maintain, replace and alter or enhance specific software.
- It includes six common stages, which are: requirement gathering and analysis, software design, coding and implementation, testing, deployment and maintenance.



Synotive

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1. Planning

- This is the first phase of system development process.
- The purpose of first stage is making plan about your software.
- The purpose of this stage is also a find out the scope of problem and determine solutions.
- Resource, cost, time, benefits and other items should be considered at this stage.
- Planning for the quality assurance requirements and identifications of the risks associated with the project is also done in the planning stage.

2. System analysis & requirement

- The second phase is where we can consider as a requirement of our project & analysis the system.
- Requirement analysis is the most important and fundamental stage in SDLC.
- A software requirement specification (SRS) document, which specifies the software, hardware, functional, and network requirements of the system is prepared at the end of this phase.
- Requirements analysis is critical to the success or failure of the system or software project.
- This is done through SRS (Software Requirement Specification) document which consists of all the product requirements to be designed and developed during the project life cycle.

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3. System design

- In third phase we have to start designing our system.
- Based on the user requirements and the detailed analysis of new **system**, the new **system** must be designed. This is the phase of **system designing**.
- The logical system designing arrived at as a result of system analysis and is converted into physical system design.
- The **logical design** produced during the analysis is turned into a physical design a detailed description of what is needed to solve original problem.
- Input, outputs, databases, forms, modification schemes and processing specifications are drawn up in detail.
- In the design phase, the programming language and the hardware and software platform in which the new system will run are also decided.

4. Development

- In fourth phase, we can develop the system.
- In this stage of SDLC the actual development starts and the product is built.
- Developers must follow the coding guidelines defined by their organization and coding tools like compilers, interpreters, debuggers, etc. are used to generate the code.
- Different high level programming languages such as C, C++, Pascal, Java and PHP are used for coding.
- The programming language is chosen with respect to the type of software being develop.

5. Integration & testing

- The software is tested at different levels of the software development to identify the defects and verify the requirements of the client by the developers QA team.
- Testing is process that checks to see weather solution meets the design specifications and is free from errors.
- There are two types of testing:
 1. Black Box Testing
 2. White Box Testing
- **Black Box Testing:**
 - Black box testing is method of software testing that examines the functionality of application based on the specifications.
 - It's also known as specification based testing. Independent testing team usually performs this of testing during software testing life cycle.
- **White Box Testing:**
 - White box testing is testing technique, that examines the program structure derives test data from the program logic/code.
 - The other name of glass box testing is clear box testing, open box testing, logic driven testing or path driven testing or structural testing.

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6. Deployment in market and maintenance

- At this stage, the goal is to the deploy the software to the production environment so user can start using the product. However, many organizations chose to move the product through different deployment environments such as a testing environment.
- Maintenance should include regular review and evaluations to ensure that it is achieving its objectives, identify ant aspects that can be improved or any operational problems. Maintenance falls into two categories, implementation of new features or elimination of errors.

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Data Flow Diagram

A data flow diagram (DFD) is a graphical representation of the “flow” of the data through an information system.

In other word, it shows:

- What going in
- How it is changed
- What comes out

A data flow diagram can be used for the visualization of data processing (structured design). It is common practice for a designer to draw a context-level DFD is then “exploded” to show more detail system being method.

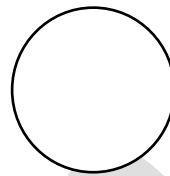
Data flow diagrams are useful and initiative way of a describing system. They are normally understandable without special training. Especially if control information is excluded. They show end-to-end processing. That is, the flow of processing from when data enters the system to where it leaves the system can be traced.

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Purpose:-

To describe the functionality in a system and the corresponding exchanges of data between the functions. Conventions used in drawing the data flow diagram here, are:

Process



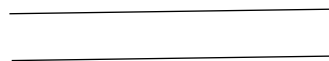
Dataflow



Source & Destination



Data store



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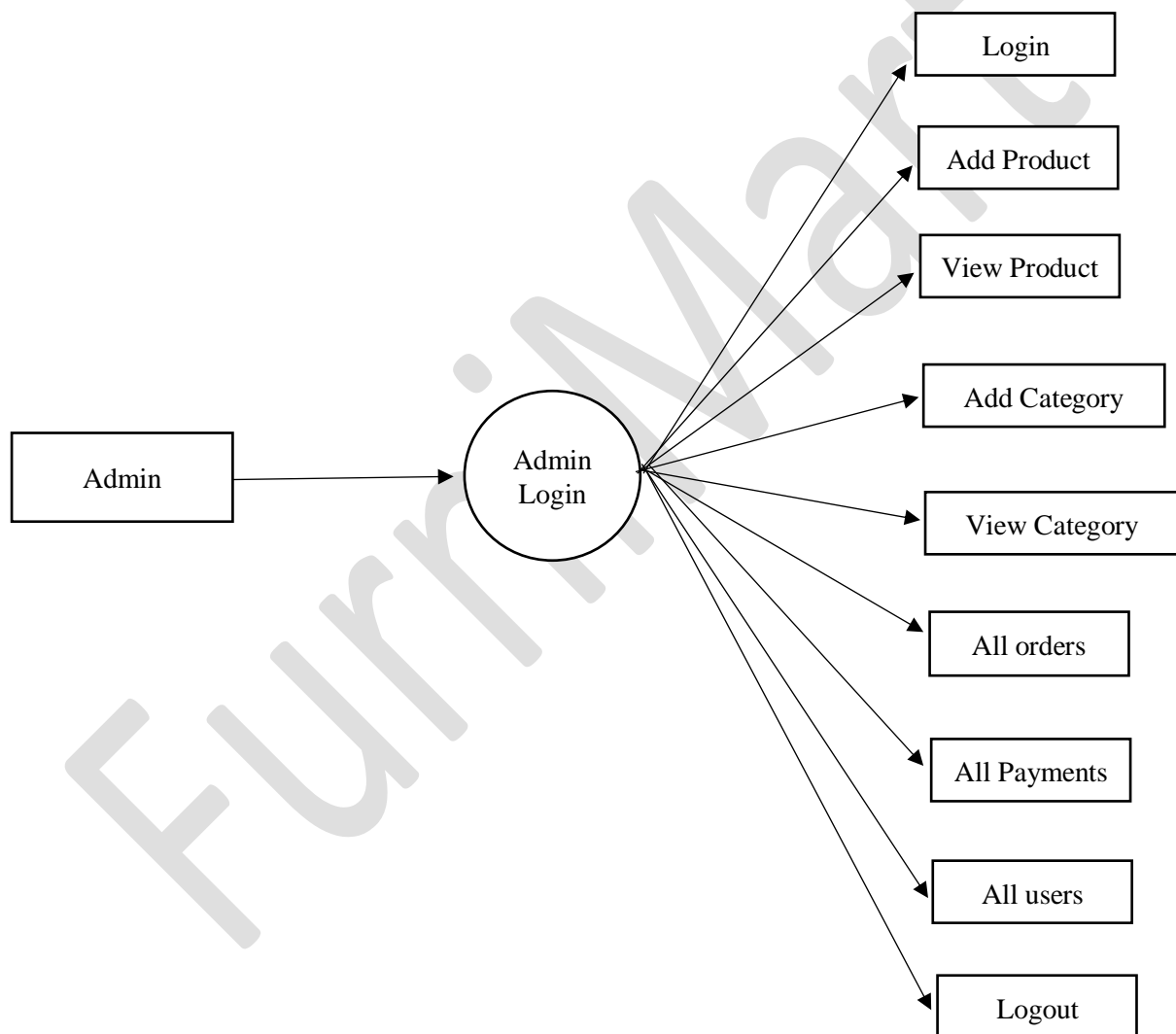
Context (Zero Level) Diagram



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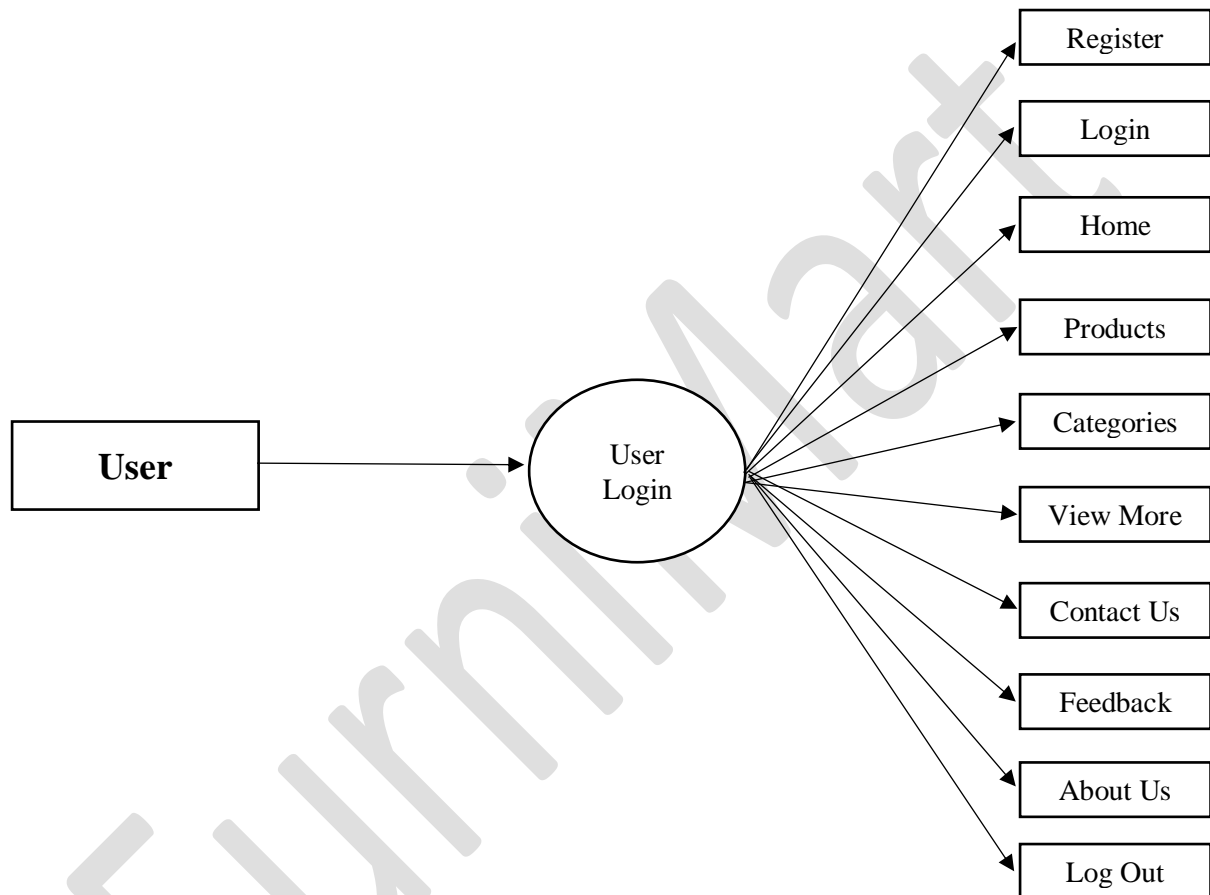
1 Level

Admin:



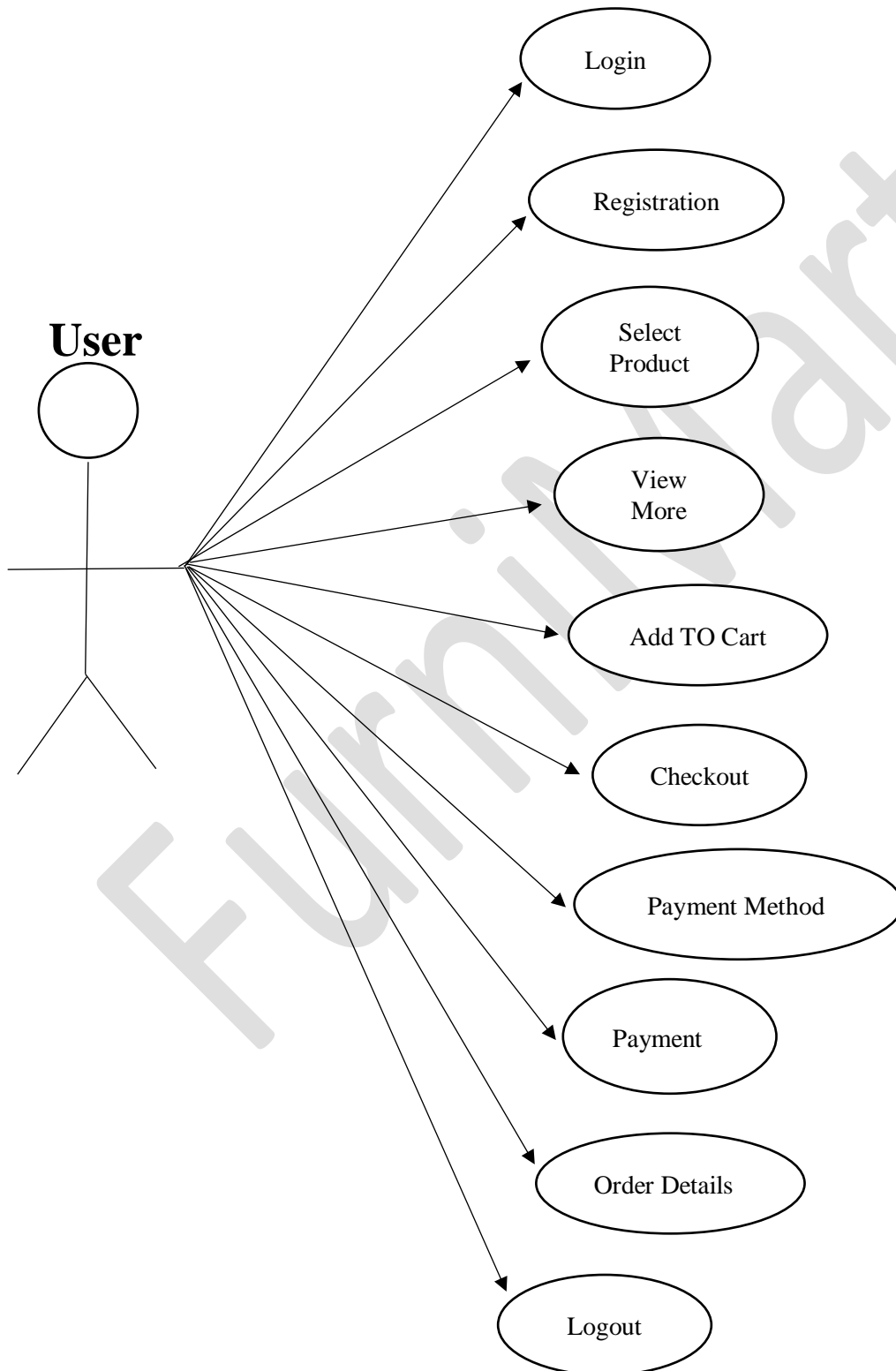
FurniMart

User:

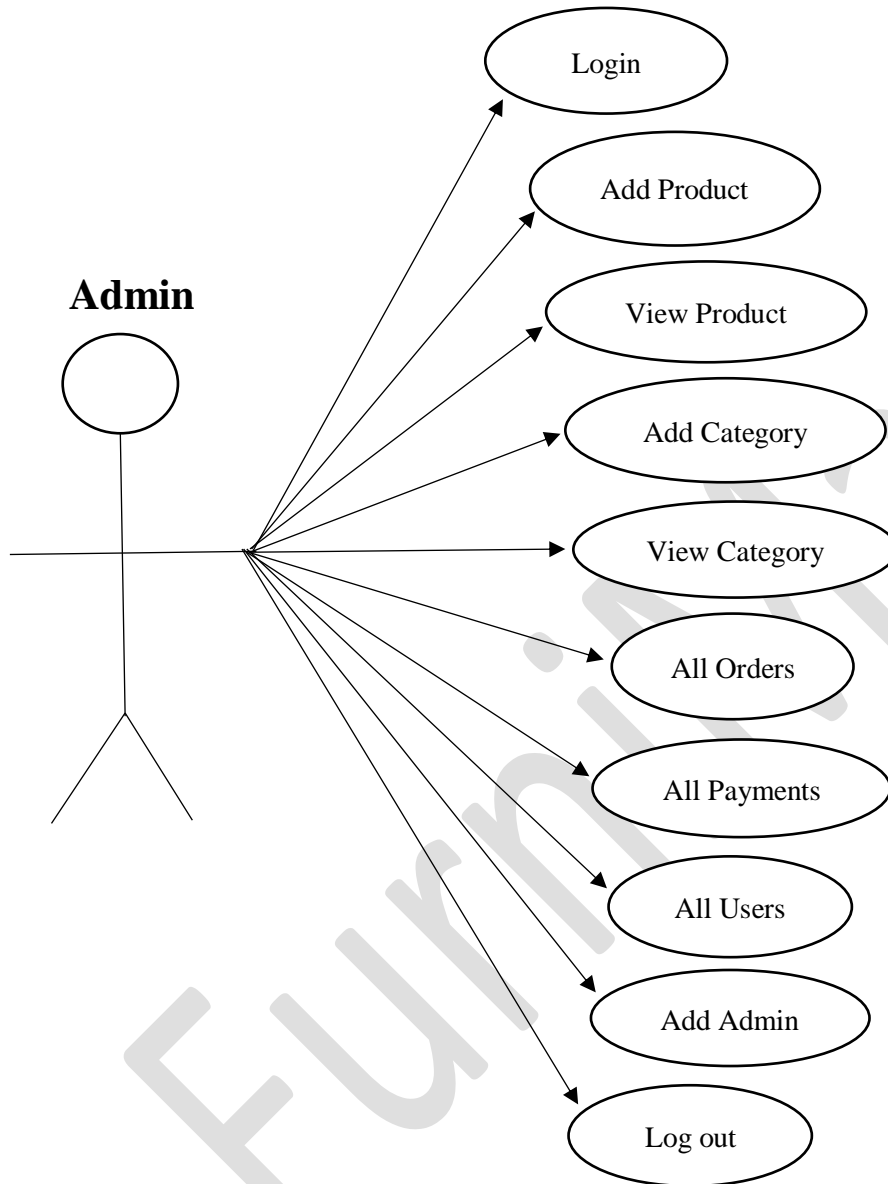


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Use Case Diagram



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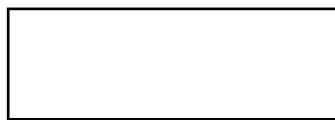
FurniMart

Er Diagram

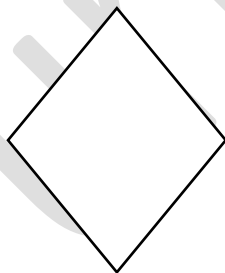
An entity-relationship (ER) diagram is a specialized graphic that illustrates the interrelationship between entities in a database. ER diagrams often use symbols to represent types of information.

There are three basic elements in ER models:

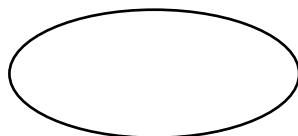
- Entities are the “things” about which we seek information.
- Attributes are the provide the structure needed to draw information from multiple entities.



Entity



Relationship



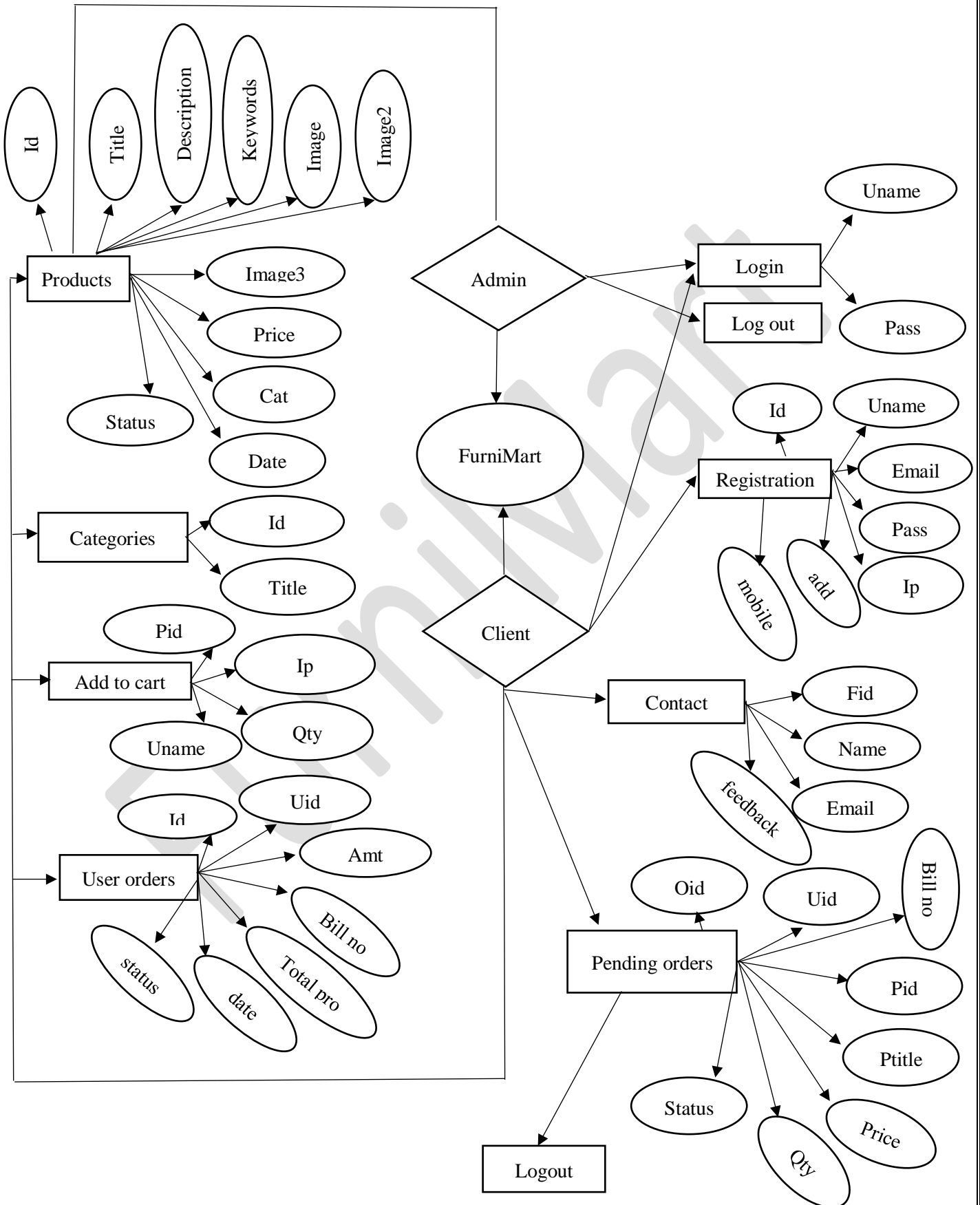
Attribute



Shape

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ER Diagram



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Data Dictionary

1.Categories

Field Name	Data type	Constraint
Category_id	Int	Auto Increment (Primary Key)
Category_title	Varchar	Not Null

2.Products

Field Name	Data type	Constraint
Product_id	Int	Auto Increment (Primary Key)
Product_title	Varchar	Not Null
<u>Product_description</u>	Varchar	Not Null
Product_keywords	Varchar	Not Null
Product_image	Varchar	Not Null
Product_image2	Varchar	Not Null
Product_image3	Varchar	Not Null
Product_price	Varchar	Not Null
Category_id	Int	Not Null
Date	Timestamp	Not Null
Status	Varchar	Not Null

FurniMart

3.Cart Details

Field Name	Data type	Constraint
Product_id	Int	Not Null
Ip_address	Varchar	Not Null
Quantity	Int	Not Null
Username	Varchar	Not Null

4.User Orders

Field Name	Data type	Constraint
Order_id	Int	Auto Increment (Primary Key)
User_id	Int	Not Null
Amount_due	Int	Not Null
Invoice_number	Int	Not Null
Total_products	Int	Not Null
Order_date	Timestamp	Not Null
Order_status	Varchar	Not Null

FurniMart

5.Pending orders

Field Name	Data type	Constraint
Order_id	Int	Auto Increment (Primary Key)
User_id	Int	Not Null
Invoice_number	Int	Not Null
Product_id	Int	Not Null
Product_title	Varchar	Not Null
Product_price	Int	Not Null
Quantity	Int	Not Null
Order_status	Varchar	Not Null

6.User payments

Field Name	Data type	Constraint
Payment_id	Int	Auto Increment (Primary Key)
Order_id	Int	Not Null
Invoice_number	Int	Not Null
Amount	Int	Not Null
Payment_mode	Varchar	Not Null
Date	Timestamp	Not Null

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7.Admin_table

Field Name	Data type	Constraint
Admin_id	Int	Auto Increment (Primary Key)
Admin_name	Varchar	Not Null
Admin_email	Varchar	Not Null
Admin_password	Varchar	Not Null

8.User_table

Field Name	Data type	Constraint
User_id	Int	Auto Increment (Primary Key)
<u>username</u>	Varchar	Not Null
User_email	Varchar	Not Null
User_password	Varchar	Not Null
User_ip	Varchar	Not Null
User_address	Varchar	Not Null
User_mobile	Varchar	Not Null

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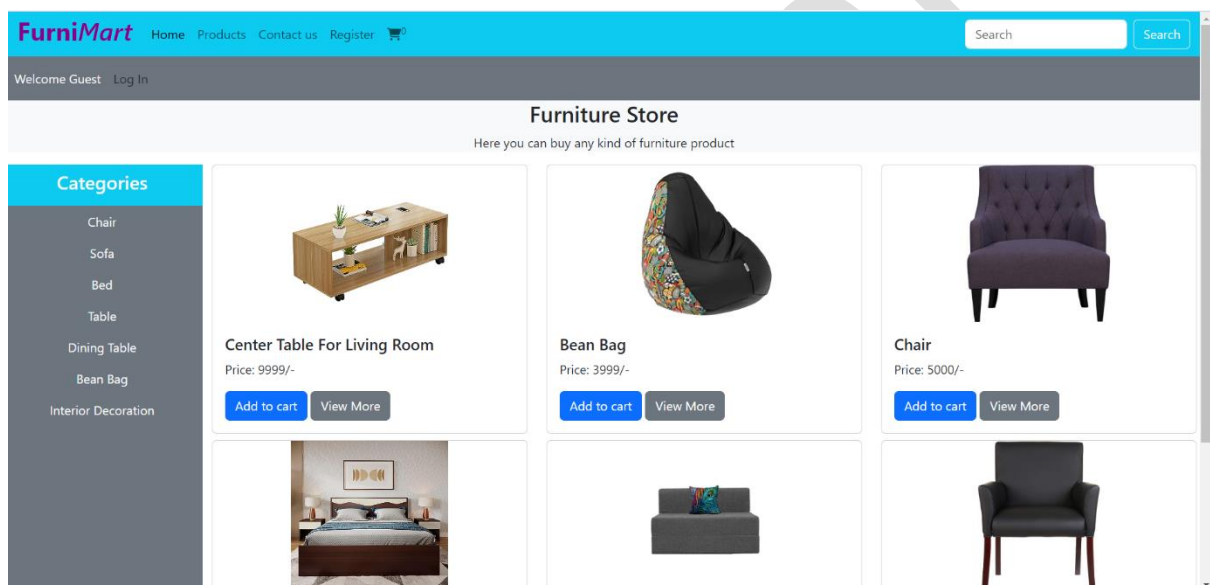
9.Contact

Field Name	Data type	Constraint
Feedback_id	Int	Auto Increment (Primary Key)
name	Varchar	Not Null
email	Varchar	Not Null
Feedback	Varchar	Not Null

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SCREEN LAYOUT

Index Page



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User Registration



New User Registration

Username

Email

Password

Confirm Password

Address

Contact

Register

Already have an account ? [Login](#)

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User Login

User Login

Username

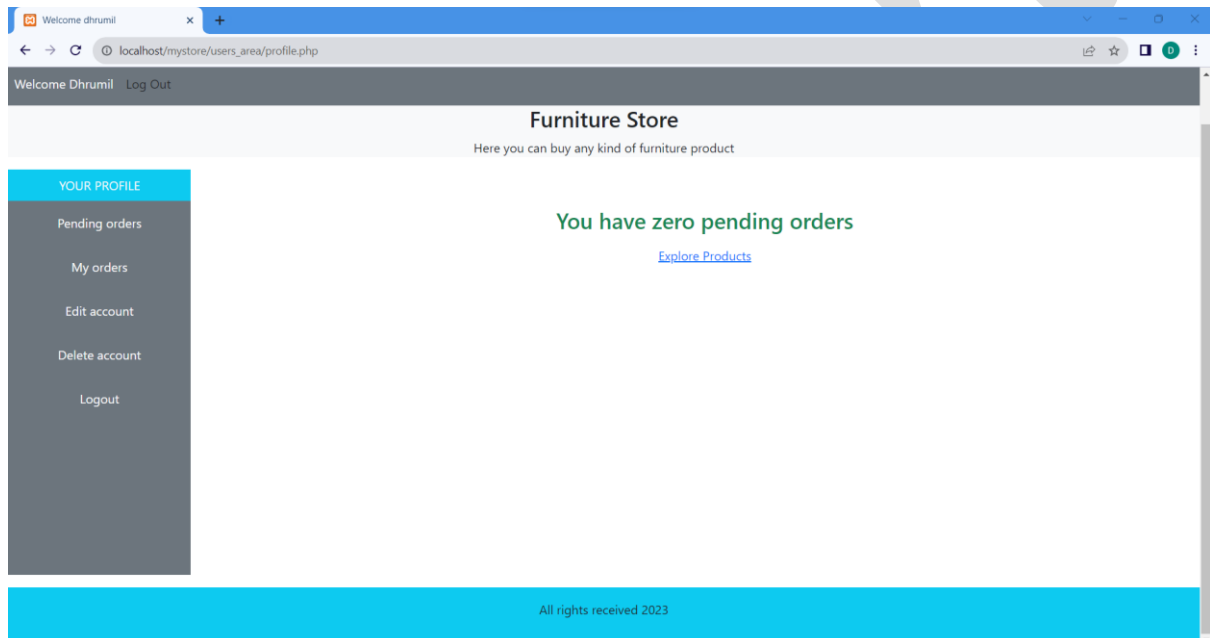
Password

Login

Don't have an account ? [Register](#)

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User Account/Profile



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All Products

Furniture Store

Here you can buy any kind of furniture product

Categories

Chair

Sofa


Bed

Table


Dining Table

Bean Bag


Interior Decoration




Chair
Price: 5000/-
[Add to cart](#) [View More](#)




Recliner Sofa
Price: 8000/-
[Add to cart](#) [View More](#)




Premium Recliner
Price: 25000/-
[Add to cart](#) [View More](#)



Sofa Com Bed
Price: 5499/-
[Add to cart](#) [View More](#)




Dining Table
Price: 9999/-
[Add to cart](#) [View More](#)



Premium Outdoor Sofa
Price: 29999/-
[Add to cart](#) [View More](#)

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View More

FurniMart [Home](#) [Products](#) [Contact us](#) [My account](#) 


Search

Welcome Dhrumil [Log Out](#)



Furniture Store
Here you can buy any kind of furniture product

Categories

- Chair
- Sofa
- Bed
- Table
- Dining Table
- Bean Bag
- Interior Decoration



Bed For Bedroom
Price: 19999/-


RELATED PHOTOS

Lemon Tree Furniture Low Profile Upholstered Platform King Size Bed For Bedroom (Ivory, Engineered Wood)

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FurniMart



Add Cart/Cart

FurniMart [Home](#) [Products](#) [Contact us](#) [Register](#) 

Welcome Dhrumil [Log Out](#)

Furniture Store

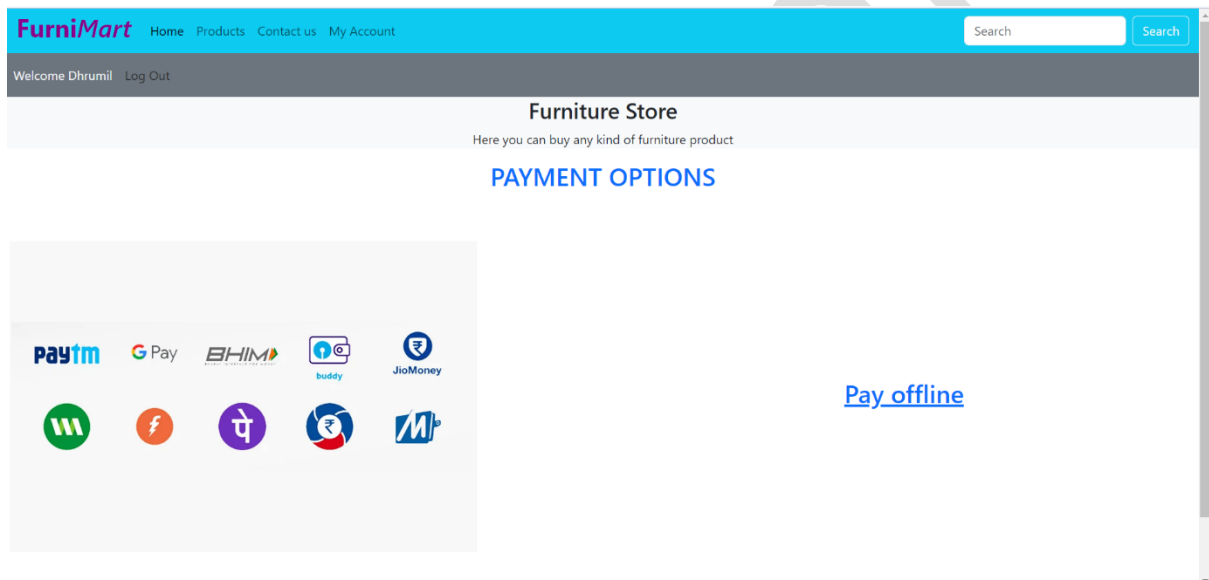
Here you can buy any kind of furniture product

Product Title	Product Image	Quantity	Price	Total Price	Remove	Operations
Bed For bedroom		<input type="text" value="1"/>	19999	19999	<input type="checkbox"/>	Update Cart Remove
six seater dining table		<input type="text" value="1"/>	14999	14999	<input type="checkbox"/>	Update Cart Remove

Grand Total: 34998 [Continue Shopping](#) [Checkout](#)

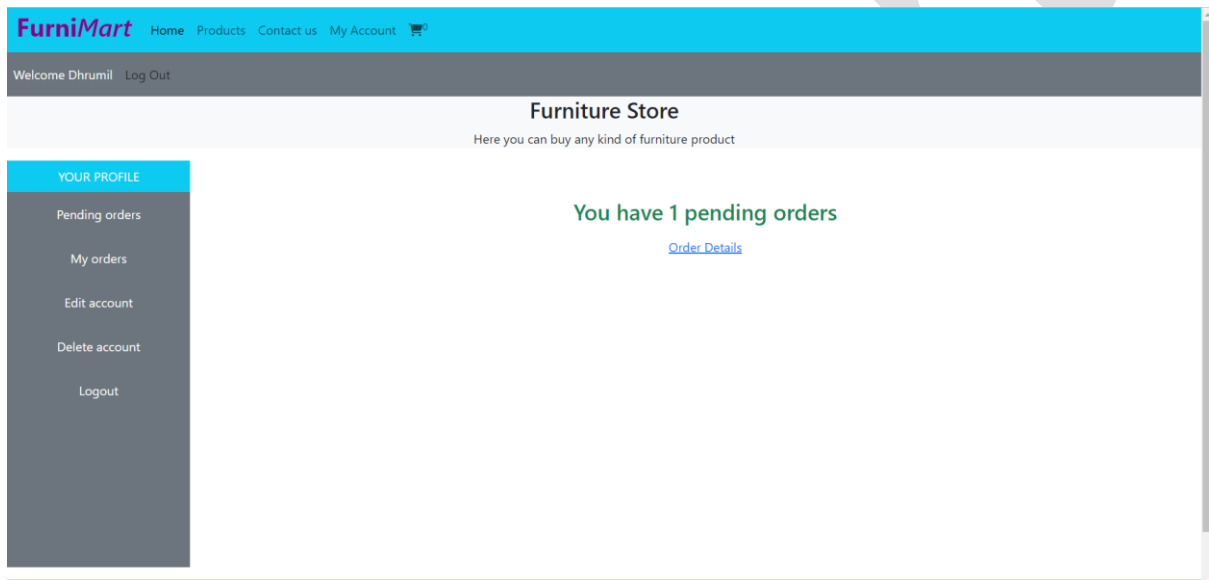
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Checkout



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Pending order/ Before payment



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User Order

FurniMart

[Home](#) [Products](#) [Contact us](#) [My Account](#) 

Welcome Dhrumil [Log Out](#)

Furniture Store

Here you can buy any kind of furniture product

YOUR PROFILE

[Pending orders](#)
[My orders](#)
[Edit account](#)
[Delete account](#)
[Logout](#)

All my orders

SL no	Amount due	Total products	Invoice number	Date	Complete/Incomplete	Status	Download Invoice
1	9999	1	1216460564	2023-08-15 14:20:39	Complete	Paid	Click Here
2	5000	1	671479391	2023-08-15 14:21:14	Complete	Paid	Click Here
3	31998	2	330856512	2023-08-15 14:29:47	Complete	Paid	Click Here

FurniMart

Payment

Confirm Payment

Invoice number

1058779728

Amount

34998

Select Payment Mode



Confirm

FurniMart

Invoice of Purchase

FurniMart Furniture Store

Id: 1

Name: dhrumil

Email: dhrumil@gmail.com

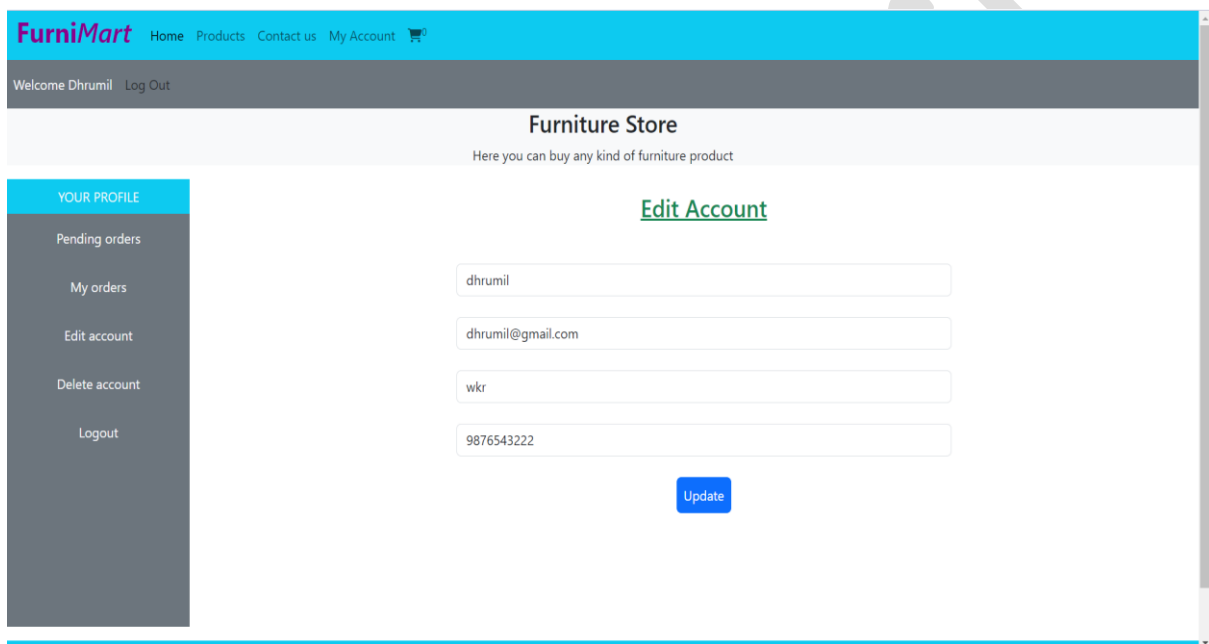
Address: wkr


Product ID	Product Title	Quantity	Product Price	Subtotal
10	Bed For bedroom	1	INR 19,999.00	INR 19,999.00
18	six seater dining table	1	INR 14,999.00	INR 14,999.00
			Grand Total	INR 34,998.00

Signature

FurniMart

Edit User Account



FurniMart Home Products Contact us My Account 

Welcome Dhrumil Log Out

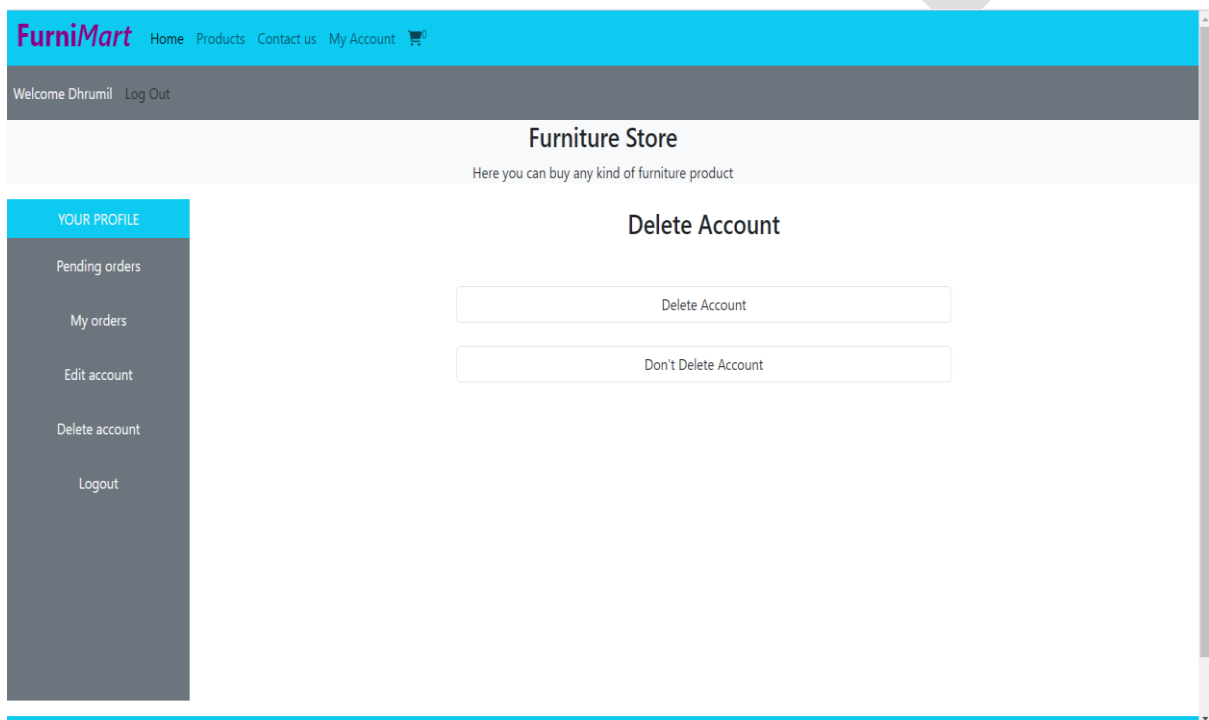
Furniture Store
Here you can buy any kind of furniture product

YOUR PROFILE

- Pending orders
- My orders
- Edit account
- Delete account
- Logout

[Edit Account](#)

Delete User Account



FurniMart

Contact Us

ABOUT US

Here you can buy any kind of furniture product Here you can buy any kind of furniture product
Here you can buy any kind of furniture product Here you can buy any kind of furniture product
Here you can buy any kind of furniture product Here you can buy any kind of furniture product Here you can buy any kind of furniture product

CONTACT US

Name

Email

Feedback

FurniMart

Admin Side Login

ADMIN LOGIN



Username

Password

Login

FurniMart

Admin Page

FurniMart

Welcome Admin

Manage Details

Insert Product

View Products

Insert Categories

View Categories

All Orders

All Payments

Users List

Add Admin

Log Out

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FurniMart

Insert Product

Insert Product

Product_title

Product_description

Product_keywords

product_image

Choose FileNo file chosen

product_image2

Choose FileNo file chosen

product_image3

Choose FileNo file chosen

Product_price




























Select category

▼

Insert product.

FurniMart

View Products

All Products							
Product No	Product Title	Product Image	Product Price	Total Sold	Status	Edit	Delete
1	Chair		5000	3	true		
2	Recliner Sofa		8000	2	true		
3	Premium Recliner		25000	0	true		
4	Sofa Com Bed		5499	0	true		
5	Dining Table		9999	0	true		
6	Premium Outdoor Sofa		29999	0	true		
7	Center Table For Living Room		9999	1	true		
8	Bean bag		3999	0	true		
9	office table		11999	1	true		

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Insert Category

FurniMart

Welcome Admin

Manage Details

Insert Product

View Products

Insert Categories

View Categories

All Orders

All Payments

Users List

Add Admin

Log Out

Insert Categories

Insert Categories

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FurniMart

View Category

FurniMart

Welcome Admin

Manage Details

Insert Product

View Products

Insert Categories

View Categories

All Orders















All Payments

Users List

Add Admin

Log Out

ALL CATEGORIES

SIno	Category title	Edit	Delete
1	Chair		
2	Sofa		
3	Bed		
4	Table		
5	Dining Table		
6	Bean Bag		
7	Interior Decoration		

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All Orders

FurniMartWelcome Admin

Manage Details

[Insert Product](#)[View Products](#)[Insert Categories](#)[View Categories](#)[All Orders](#)[All Payments](#)[Users List](#)[Add Admin](#)[Log Out](#)

ALL ORDERS

Sino	Amount	Invoice Number	Total Products	Order Date	Status	Delete
1	9999	1216460564	1	2023-08-15 14:20:39	complete	
2	5000	671479391	1	2023-08-15 14:21:14	complete	
3	5000	362314213	1	2023-08-15 14:22:00	complete	
4	8000	726297868	1	2023-08-15 14:22:26	complete	
5	31998	330856512	2	2023-08-15 14:29:47	complete	
6	14998	350734792	2	2023-08-15 14:31:25	complete	
7	34998	1058779728	2	2023-08-25 16:32:04	complete	

localhost/mystore/admin_area/admin.php?insert_categoryAll rights reserved 2023

FurniMart

All Payments

FurniMart

Welcome Admin

Manage Details

Insert Product

View Products

Insert Categories

View Categories

All Orders

All Payments

Users List

Add Admin

Log Out

ALL PAYMENTS

SIno	Amount	Invoice Number	payment_mode	Order date	Delete
1	2500	312810008	netbanking	2023-06-09 16:02:57	
2	12500	1051448674	netbanking	2023-06-20 08:12:36	
3	12500	1051448674	COD	2023-06-20 08:12:46	
4	66000	1750768991	COD	2023-07-23 11:38:02	
5	60000	978840507	COD	2023-07-23 15:45:37	
6	39000	1530752247	netbanking	2023-07-23 15:49:55	
7	26000	1633666236	upi	2023-07-23 15:51:28	
8	0	1233200380	netbanking	2023-07-23 16:10:01	
9	13000	1117230894	netbanking	2023-07-23 16:12:52	

FurniMart

Users List

FurniMart

Welcome Admin

Manage Details

Insert Product

View Products

Insert Categories

View Categories

All Orders




All Payments

Users List

Add Admin

Log Out

ALL USERS

Sl no	Username	User Email	User Address	User Contact	Delete
1	dhrumil	dhrumil@gmail.com	wkr	9876543222	
2	user	abcd@gmail.com	wankaner	1234567890	
3	nidhip	nidhip@gmail.com	wankaner	6549873210	

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Add New Admin

ADMIN REGISTRATION



Username

Email

Password

Confirm Password

[Register](#)

You have an account? [Login](#)

FurniMart

Conclusion

I Dhrumil Bhindora & Nidhip Solanki here by conclude my project training with great memories of developing website of FurniMart Furniture Store.

This project is very helpful for us in our professional carrier.

I am thankful to the computer department of our college for developing such a nice syllabus that gives us a chance to make a complete website with which we get a chance to improve our practical knowledge.

We have to successfully implemented site “FurniMart Furniture Store” with the help of various links & tools, we have been able to provide a site which is live & running on the web.

In this website customer can buy furniture online. It saves a lots time of customer. Customer can search for their desire product, category and purchase the product. After selection of product customer can pay online.

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Limitation and Future Enhancement

Limitation

There is some limitation of our project.

- User cannot buy product without login.
- There are many photos in our websites that takes some time to load.

Future Enhancement

The development of “FurniMart Furniture Store” is had done keeping in mind all the recent developments and technologies. This system so developed much friendly interface and it is very flexible.

- We think that not a single project is ever considers as complete forever.
- Because our mind is always thinking new and our site are also growing.

FurniMart

Bibliography

To complete this project, we refer many websites and other stuff to learn many topics. Those are very useful to create this project. We use following websites:

1. www.google.com
2. www.youtube.com
3. www.w3schools.com
4. www.geeksforgeeks.com

FurniMart

Suggestion

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FurniMart

Thank You!!!