A

Project Report on

"PHARMACEUTICAL WEB STORE"

Submitted To,

KCES's Institute of Management and Research, Jalgaon

Affiliated To,
Kavayitri Bahinabai Chaudhari,
North Maharashtra University, Jalgaon

Submitted By,

Mr. Pratik Patil

For the partial fulfillment of degree
Bachelor of Computer Application (BCA)

Academic Year: 2023-24

<u>Declaration</u>

I hereby declared that the project work entitled, "Pharmaceutical Web Store" submitted under guidance of Miss. Bhagyashri Nishane . It is my original work for partial fulfillment of the BCA degree during academic year 2023-24. The report submitted is my own work and has not been duplicated from any other source. I shall be responsible for any unpleased moment/situation.

Date: Mr.Pratik Patil

CERTIFICATE

To whom so ever it may concern

This is to certify that Mr.Pratik Pradip Patil student of BCA at KCES's Institute of Management and Research, Jalgaon has successfully accomplished his project titled "Pharmaceutical Web Store" during the semester VI of academic year 2023-24.

He had done project sincerely & fulfilled our requirements. We wish his all the success for his bright future. He has completed with all our demands regarding project.

$$R_X$$

(Seal & signature of owner)

ACKNOWLEDGEMENT

<u>INDEX</u>

Abstract

The Pharmaceutical Web Store (PWS) represents a paradigm shift in the way individuals access essential medications and healthcare products. This abstract delves into the core functionalities and benefits of PWS, an online platform dedicated to facilitating the purchase of pharmaceuticals and related items. PWS offers a user-friendly interface, allowing customers to browse a vast catalog of medications, supplements, and medical devices from the comfort of their homes.

Moreover, it emphasizes features such as secure payment gateways, stringent quality control measures, and reliable delivery services to ensure a seamless shopping experience. By leveraging digital technology, PWS transcends geographical barriers, enabling individuals to obtain vital medications regardless of their location.

Furthermore, this abstract explores the potential impact of PWS on healthcare accessibility, affordability, and patient empowerment. It also addresses challenges such as regulatory compliance, data security, and maintaining ethical standards in online pharmaceutical retail. In essence, PWS emerges as a transformative solution in healthcare, fostering greater inclusivity and convenience in accessing essential medical supplies.

An online shop is a way of trading and shopping online via the internet. Online sales in the business sector will significantly help reduce operational costs, especially for customer activities; in its contribution to commerce, online sales can also increase selling power and widely facilitate the marketing of a product.

Introduction

"Pharm Easy" is revolutionizing the pharmaceutical industry with its innovative online platform, aimed at streamlining the process of obtaining essential medications. With a focus on versatility, the platform offers a comprehensive range of healthcare products, catering to diverse needs ranging from prescription drugs to personal care items.

Through meticulous curation, Pharm Easy ensures that customers have access to a wide array of products, including prescription medications, over-the-counter essentials, and wellness solutions. This curated selection reflects the platform's commitment to providing users with high-quality healthcare options that meet their specific requirements.

- Versatile platform catering to various healthcare needs
- Reliable and user-friendly interface ensuring a seamless shopping experience
- Swift and reliable delivery services to ensure timely access to medications.
- An intuitive and easy-to-navigate website for a seamless shopping experience.

In addition to our commitment to user satisfaction, Pharm Easy prioritizes security and efficiency in every transaction. With secure online payment options and swift delivery services, we ensure that our customers can shop with confidence and receive their medications promptly. Join us at Pharm Easy and experience the convenience and peace of mind that comes with easy access to essential healthcare products.

Proposed System

The proposed system of a pharmaceutical web store aims to provide a comprehensive and user-friendly online platform for the purchase and distribution of pharmaceutical products. The proposed system will utilize modern web technologies, including HTML, CSS, JavaScript, and PHP, to create a user-friendly system. This will empower pharmacists to manage inventory, track sales, process prescriptions, and improve the overall workflow in the pharmacy.

1. **Product Catalog:** The system maintains an extensive catalog of pharmaceutical items, including prescription drugs, over-the-counter medicines, wellness products, and health supplements.

2. **User Accounts:** Customers can create accounts, manage their profiles, and track their order history.

3. **Secure Transactions:** The system ensures secure payment gateways for seamless transactions.

4. **Inventory Management:** Real-time inventory tracking prevents stockouts and overstock situations.

5. **Order Processing:** Customers can place orders, select delivery options, and receive confirmation.

6. **Delivery and Logistics:** Efficient delivery management ensures timely product dispatch and doorstep delivery.

Need of the System

In the development of "PharmEasy," there is a fundamental recognition of the critical needs within the pharmaceutical domain, driving the project's focus towards creating a robust and responsive platform. The following aspects outline the pressing needs addressed by PharmEasy:

- **Efficient Information Retrieval:** Enables administrators to seamlessly access customer, supplier, and transaction details, streamlining overall management.

- **User-Friendly Interface:** Prioritizes a user-friendly experience, ensuring ease of navigation for both administrators and customers.

- **Real-Time Information:** Facilitates timely access to crucial data from the database, reducing response delays and ensuring swift query resolution.

- **Enhanced Decision-Making:** Provides comprehensive reports to administrators, empowering them to make informed and quick decisions in the dynamic pharmaceutical environment.

"PharmEasy" is designed to meet these needs, offering an intuitive platform that enhances efficiency, responsiveness, and decision-making within the pharmaceutical web store.

Hardware And Software Requirement

A major element in building system is selection of compatible hardware & software. Hardware selection they begin with requirements analysis following by a request for proposal, evaluation & validation, post installation review.

The technology stack proposed for the "PharmEasy" project comprises both software and hardware components, tailored to meet the specific requirements of the pharmaceutical web store:

- **Software Requirement:**

  1. Operating System -Windows 10
  2. Microsoft Visual Studio Code.
  3. Xampp.
  4. MySQL.
  5. PHP.

- **Hardware Requirement:**

  1. Intel Core I3 or equivalent
  2. Minimum 4GB RAM.
  3. Maximum 256 GB HDD.
  4. Input Devices: Keyboard, Mouse.

Brief Overview Of Technology

FRONT END : HTML, CSS.

- **HTML :** HTML is used to create and save web document.
- **CSS :** (Cascading Style Sheets) Create attractive Layout
- **JS :** JavaScript

BACK END : PHP, MYSQL

- **PHP**: Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per user request. PHP is open-source software.
- **MySQL**: MySQL is a database, widely used for accessing querying, updating, and managing data in databases.
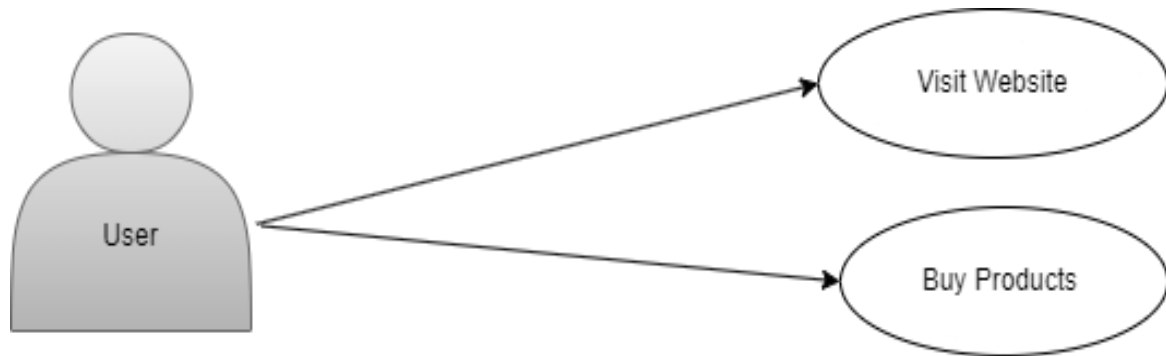
Database Diagrams

User:
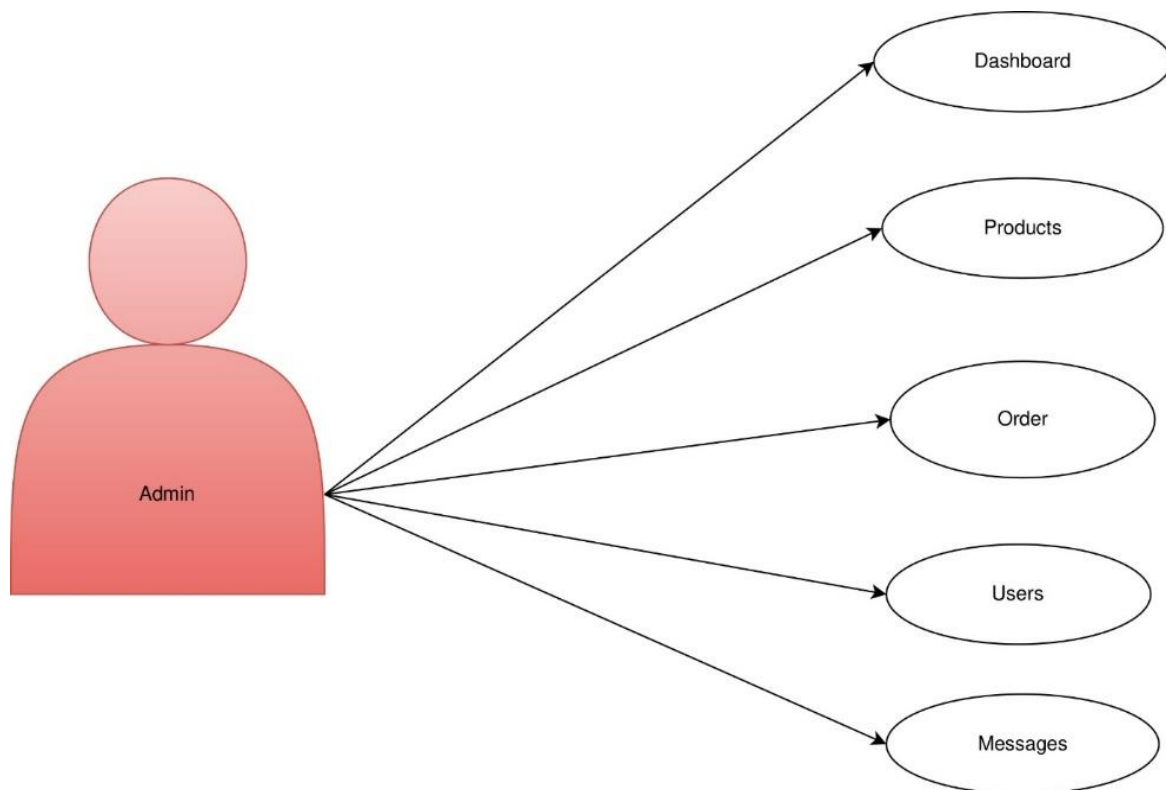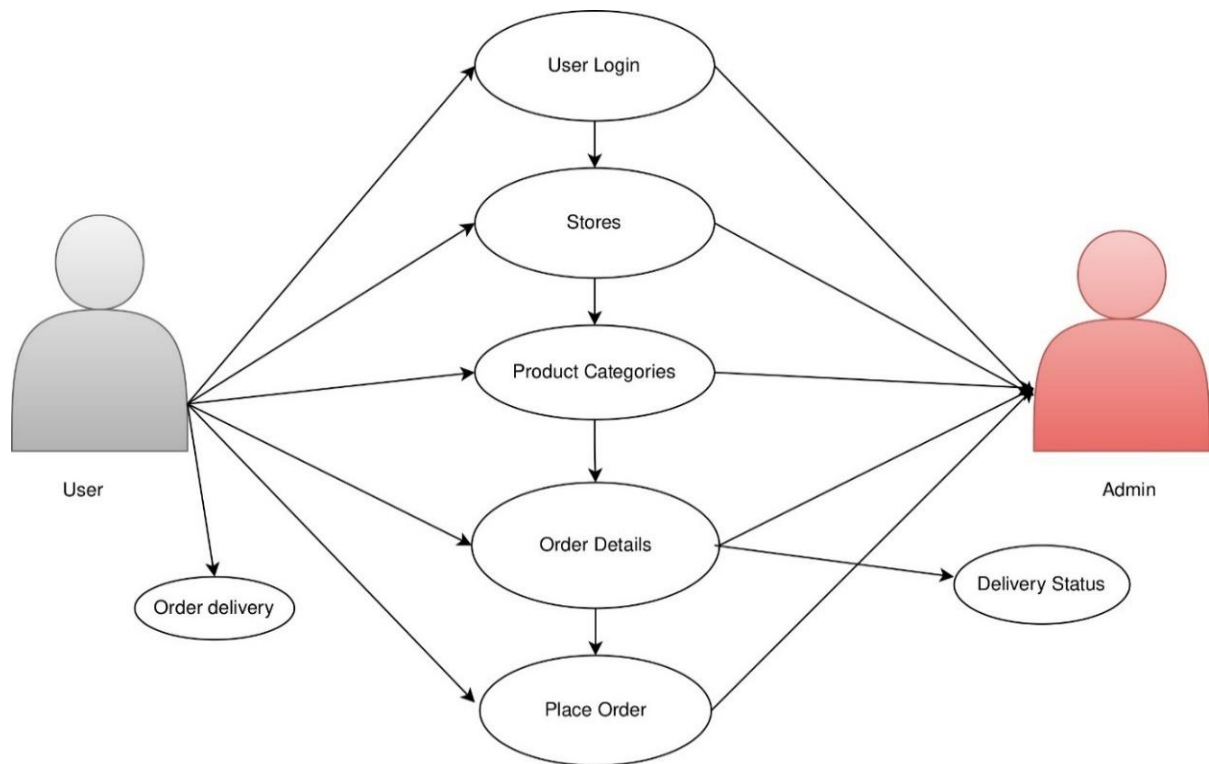

Fig:1

Admin:

Fig:2

Use Case Diagram:

Use Case

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a graphical representation that depicts the flow of data within a system, process, or project. It's used to visualize how data is processed and circulated, outlining the inputs and outputs associated with each process stage. Here's a breakdown of its components:

Process: Represented by a circle or a rounded rectangle, it shows how input data is transformed into output data.

Data Flow: Arrows indicate the direction of data movement between processes, data stores, and external entities.
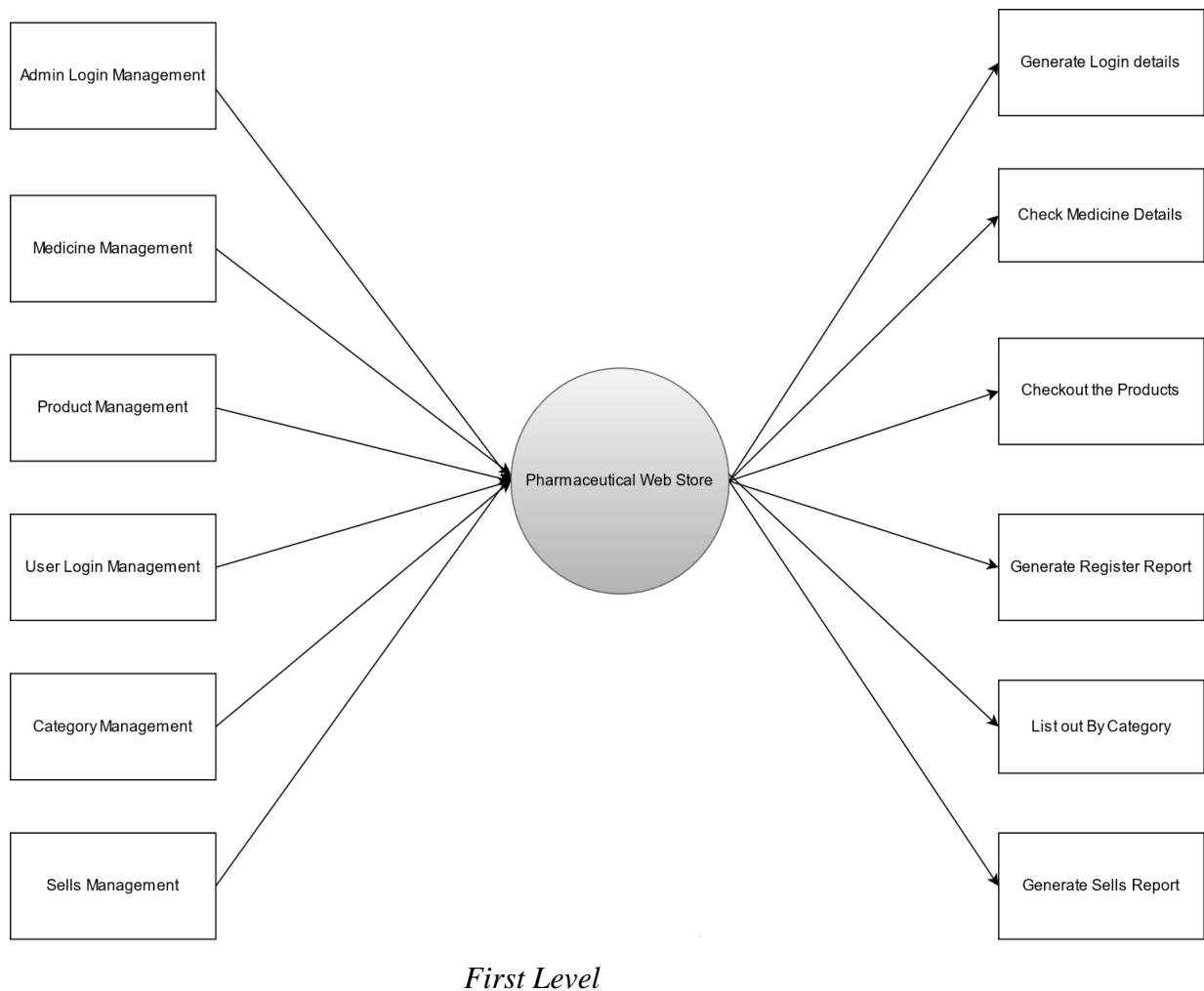
Data Store: Depicted by an open-ended rectangle, it represents where data is stored within the system.

External Entity: Symbolized by a square, it denotes external agents that interact with the system, providing or receiving data.
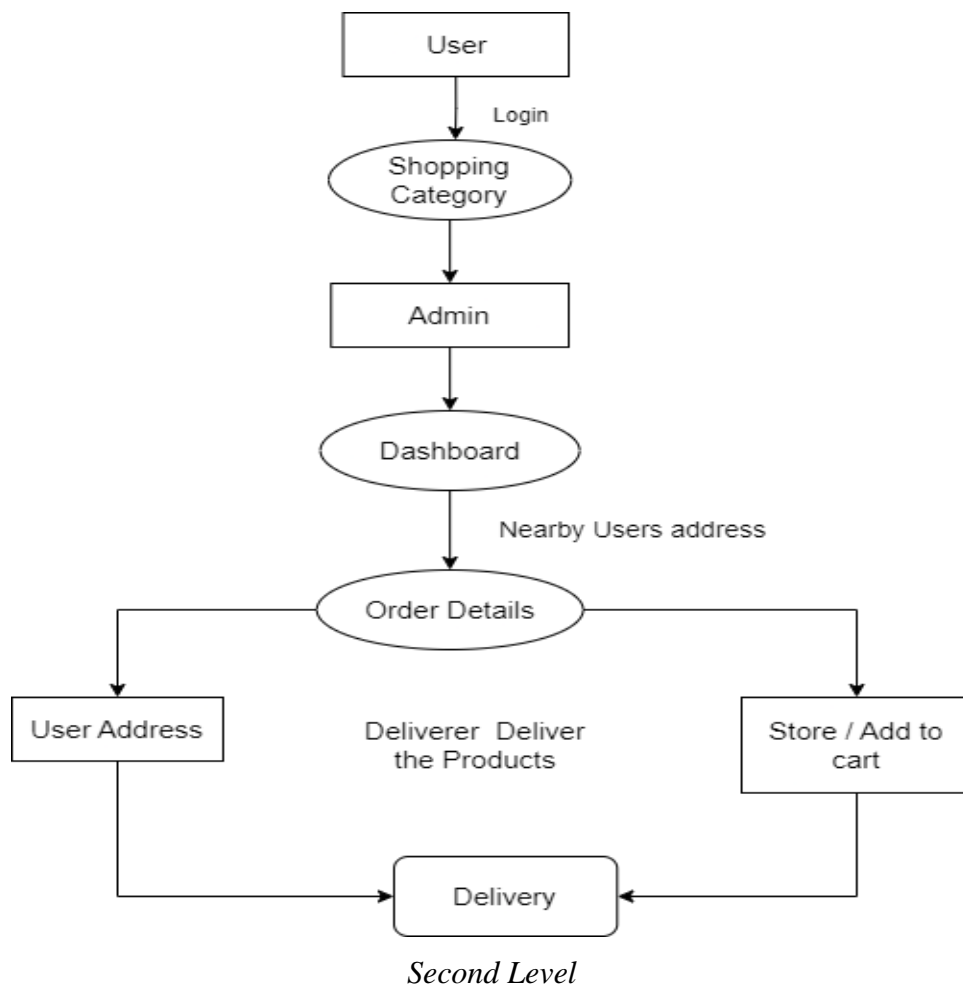
Zero Level DFD :

Zero Level

First Level DFD:

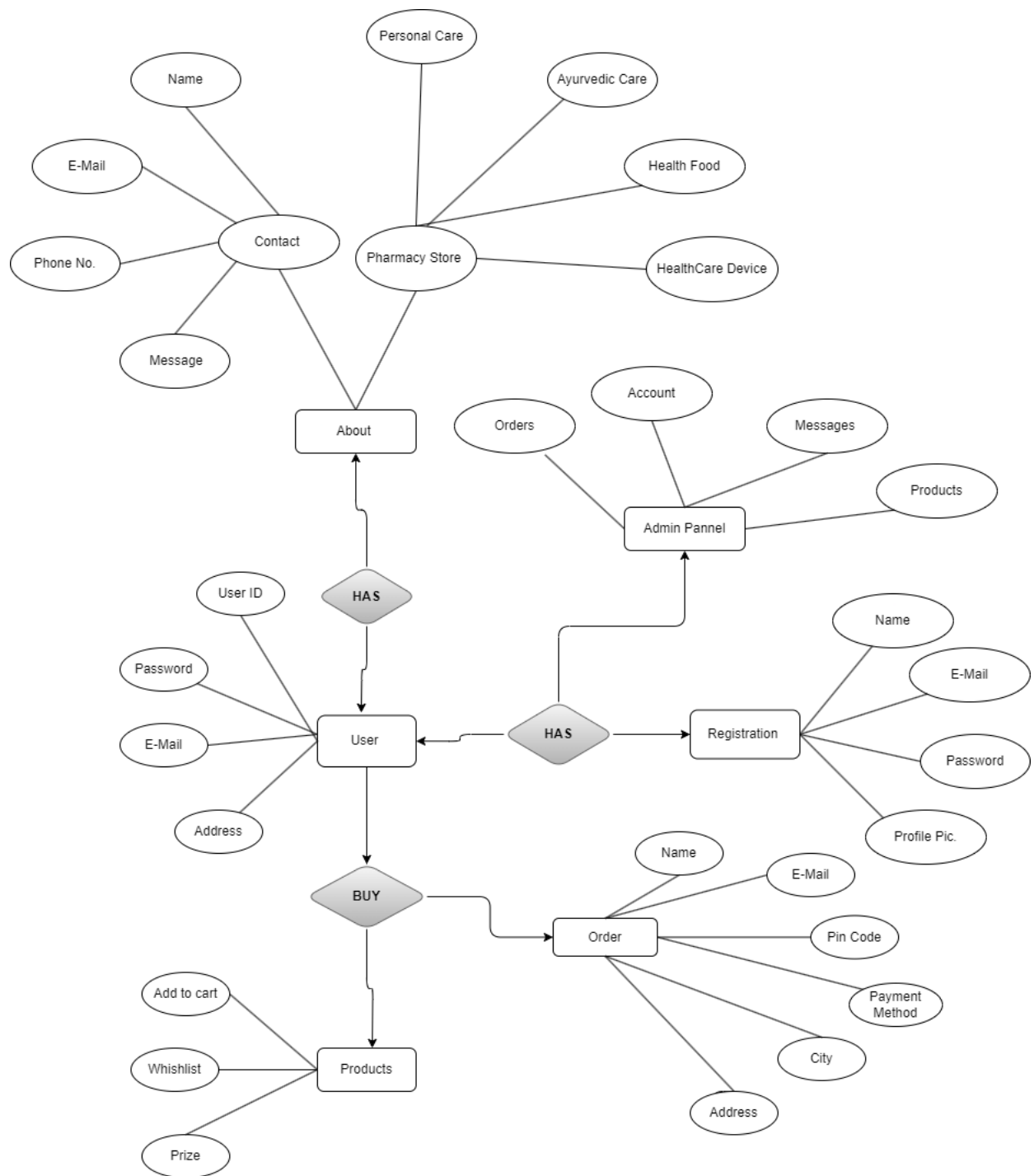*First Level*

Second Level DFD:

Second Level

ER Diagram

An Entity Relationship Diagram (ERD) is a visual representation that outlines the structure of a database. It shows how entities (like people, objects, or concepts) relate to each other within a system. Here are the key components of an ERD:

Entities: These are the primary objects (like Students, Courses, etc.) that are represented as rectangles.

Attributes: The characteristics or properties of an entity (like Student ID, Name, etc.), shown as ovals.

Relationships: The connections between entities, depicted by diamonds, which describe how entities interact with each other.

Personal Care

Name

Ayurvedic Care

E-Mail

Health Food

Contact

Pharmacy Store

Phone No.

HealthCare Device

Message

About

Orders

Account

Messages

Products

Admin Pannel

User ID

HAS

Password

Name

E-Mail

E-Mail

User

HAS

Registration

Password

Address

Profile Pic.

Name

E-Mail

BUY

Order

Pin Code

Add to cart

Payment Method

Whishlist

Products

City

Prize

Address

ER

Database Design

Registration Form

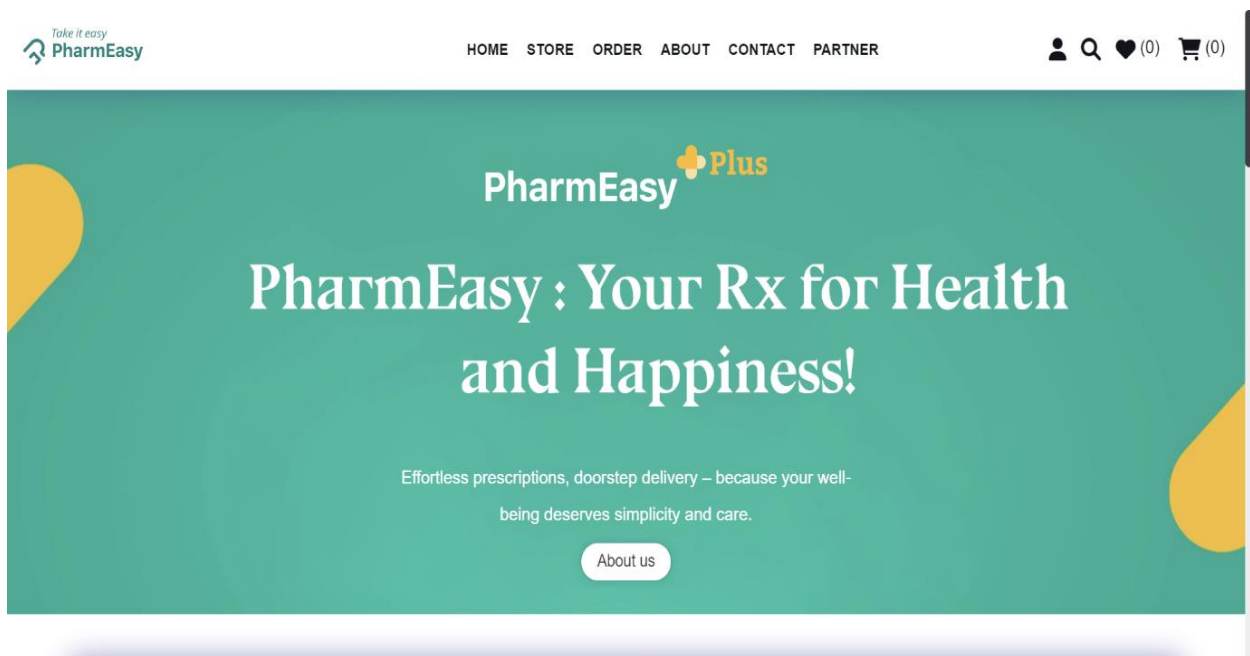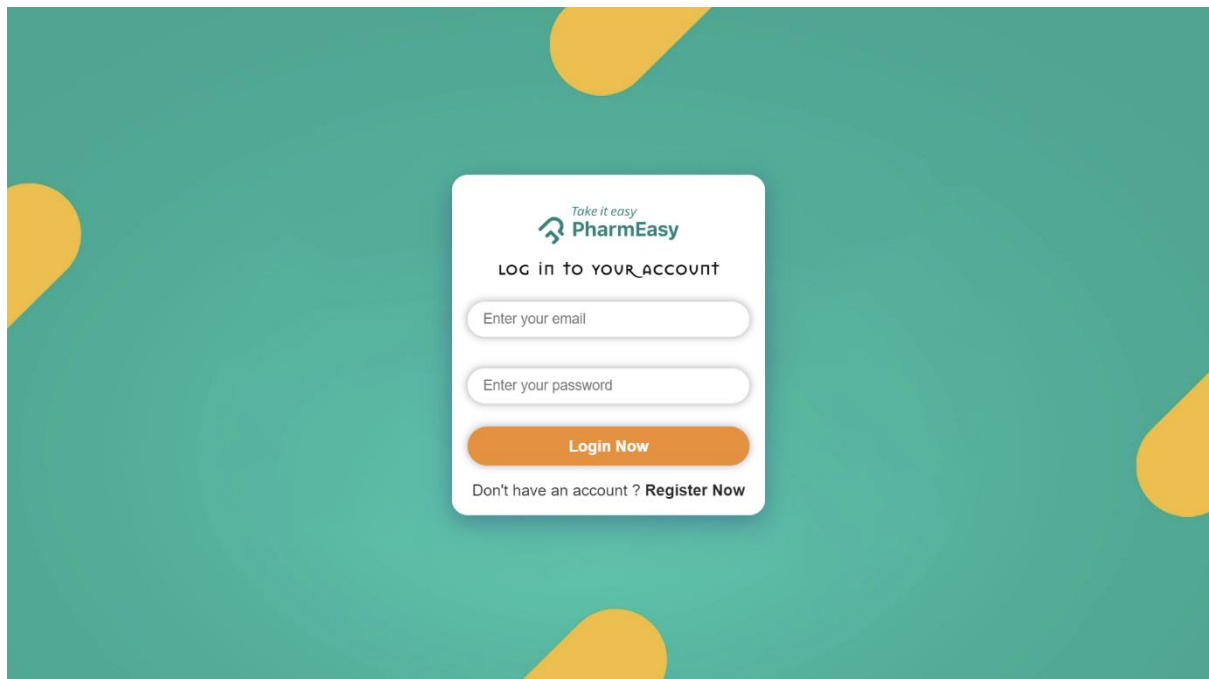| Field Name	Type	Constraint
Full Name	VARCHAR [30]	PRIMARY KEY
E-Mail	VARCHAR [60]	NOT NULL
Password	VARCHAR [50]	NOT NULL
Confirm Password	VARCHAR [50]	NOT NULL
Image	BLOB	NOT NULL

User Login Form

Field Name	Type	Constraint
E-Mail	VARCHAR [60]	PRIMARY KEY
Password	VARCHAR [60]	NOT NULL

Admin Form

Field Name	Datatype	Constraint
ID	VARCHAR [100]	PRIMARY KEY
Full Name	VARCHAR [100]	NOT NULL
E-Mail	VARCHAR [100]	NOT NULL
Password	VARCHAR [100]	NOT NULL
Change	VARCHAR [100]	NOT NULL

Project Screenshots

TEAM PHARMEASY

Medicines at Your Doorstep, Peace of Mind in Every Dose

Your Trusted Partner in Health, Where Convenience Meets Compassion.

Order Now

PERSONAL CARE   HEALTHCARE DEVICES   HEALTH FOOD   AYURVEDIC CARE

—— Latest Products ——

₹ 372/-

Calcium with Magnesium, Zinc, Vitamin D3, Amino Acid, Copper & Boron

Calcimax 500

MEYER

Calcimax 500

1

Add To Wishlist

₹ 297/-

SCALPE

EXPERT BENEFITS

TOTAL DANDRUFF SOLUTION

Scalpe Plus

1

Add To Wishlist

₹ 549/-

VENUSIA
Max

Venusia Max

1

Add To Wishlist

Products Added

Revital H Men

₹ 552/-

| 1 | Update |

Sub Total : ₹ 552/-

Pharmeasy Pill Organizer

₹ 254/-

| 1 | Update |

Sub Total : ₹ 254/-

Zandu Relief Balm

₹ 161/-

| 1 | Update |

Sub Total : ₹ 161/-

Health Blogs

Team PharmEasy

Does Black Coffee Reduce Weight: Insights into Coffee's Role in Weight

By The PharmEasy Team

Read More

Team PharmEasy

Beetroot Juice: Uses, Benefits, Side Effects Precautions & More!

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Team PharmEasy

Ashokarishta: Uses, Benefits, Side Effects, Precautions & More!

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Read More

QUICK LINKS
> Home
> Store
> About
> Contact

EXTRA LINKS
> Cart
> Wishlist
> Login
> Register

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📞 9404145770
✉ pharmeasy@info.com
📍 Mumbai, India 400-104

FOLLOW US
f Facebook
🐦 Twitter
📷 Instagram
in Linkedin

♥ Created by PRATIK_PATIL ♥

Localhost phpmyadmin page

Admin Panal Screenshots

— Dashboard —

₹ 669/-	₹ 0/-	1	27
TOTAL PENDINGS	COMPLETED ORDERS	PLACED ORDER	PRODUCTS ADDED
See Orders	See Orders	See Orders	See Products

1	1	2	0
TOTAL USERS	TOTAL ADMINS	TOTAL ACCOUNTS	TOTAL MESSAGES
See Accounts	See Accounts	See Accounts	See Messages

— Pending Orders —

User Id : 31

Placed On : 13-Mar-2024

Name : Pratik Patil

Email : P@Gmail.Com

Number : 7066454899

Address : Shivam Nagar , , Raver , Maharashtra India - 425508

Total Products : Calcimax 500 (1) Scalpe Plus (1)

Total Price : ₹ 669/-

Payment Method : Cash On Delivery

Pending

Update	Delete

—— Completed Orders ——

User Id : 31

Placed On : 13-Mar-2024

Name : Pratik Patil

Email : P@Gmail.Com

Number : 7066454899

Address : Shivam Nagar , , Raver , Maharashtra India - 425508

Total Products : Calcimax 500 (1) Scalpe Plus (1)

Total Price : ₹ 669/-

Payment Method : Cash On Delivery

| Completed ⌄ |

| Update | | Delete |

—— Placed Orders ——

User Id : 31

Placed On : 13-Mar-2024

Name : Pratik Patil

Email : P@Gmail.Com

Number : 7066454899

Address : Shivam Nagar , , Raver , Maharashtra India - 425508

Total Products : Calcimax 500 (1) Scalpe Plus (1)

Total Price : ₹ 669/-

Payment Method : Cash On Delivery

| Delete |

——— Add New Product ———

Enter Product Name   Enter Product Price

Select Category ▾   Choose File No File Chosen

Enter Product Details

Add Product

——— Products Added ———

——— Messages ———

User Id : 31

Name : pratik patil

Number : 7774555534

Email : p@gmail.com

Message : just wanted to drop a quick note to express my gratitude for your fantastic pharmaceutical web application! it's been incredibly helpful in managing our medication inventory and streamlining our processes. keep up the great work!

Delete

Project Scope:

The project scope of a pharmaceutical web store encompasses the specific objectives, deliverables, features, and constraints of developing and implementing such a digital platform. Here are the key components of the project scope for a pharmaceutical web store:

- Fully functional e-commerce website or application with a user-friendly interface

- Comprehensive product catalog including prescription medications, over-the-counter drugs, supplements, and medical devices.

- User authentication and authorization mechanisms for registered users and healthcare professionals.

- Product search and filtering options for easy navigation.

- Personalized recommendations based on user preferences and purchase history.

- Secure storage and transmission of sensitive user information and transaction data.

Project Approach:

1. **Requirement Analysis**:

Conduct thorough market research to understand the needs and preferences of target users, as well as the competitive landscape . Define the functional and non-functional requirements of the web store, including features, usability, security, and regulatory compliance.

2. **Planning and Scheduling**:

Allocate resources, including human resources, budget, and technology infrastructure, based on project requirements and constraints.Define roles and responsibilities for team members and stakeholders involved in the project.

3. **Design and Prototyping**:
Create wireframes and prototypes of the web store interface to visualize the user experience and functionality . Design a user-friendly and intuitive interface that caters to the diverse needs of consumers and healthcare professionals . Incorporate branding elements, such as logos, colors, and typography, to establish a cohesive brand identity.

4. **Development and Testing**:
Implement the web store functionality according to the defined requirements and design specifications . Conduct rigorous testing, including functional testing, usability testing, security testing, and compatibility testing, to ensure the quality and reliability of the platform . Address any issues or bugs identified during testing and iterate on the design and development as needed.

5. **Integration and Deployment**:
Integrate third-party services, such as payment gateways, shipping providers, and analytics tools, to enhance the functionality and capabilities of the web store . Deploy the web store on a secure and scalable hosting environment, ensuring optimal performance and availability . Conduct final checks and validations to verify that the deployed solution meets the defined requirements and specifications.

<u>Conclusion</u>

In conclusion, the development of the "PharmEasy" pharmaceutical web store has been a comprehensive endeavor aimed at providing users with a seamless and efficient platform for accessing pharmaceutical products and services. The system has been designed and implemented with several key attributes in mind to ensure an optimal user experience.

Enhanced Accessibility is a core aspect of PharmEasy's design, facilitating easy access to pharmaceutical products and services for users across various demographics. By bridging the gap between customers and healthcare providers, PharmEasy aims to make healthcare more accessible and convenient for everyone. Robust Security Measures have been implemented to safeguard sensitive user data and ensure secure transactions. PharmEasy prioritizes the protection of user privacy and employs stringent security protocols to foster trust and confidence among users, thereby enhancing the overall user experience.

- **Scalability:** Designed to accommodate future growth and evolving user needs.
- **Responsive Design:** Ensuring a seamless experience across devices.
- **Seamless Integration:** Offering additional services like prescription uploads and medication reminders.

Overall, "PharmEasy" represents a significant advancement in the digitization of pharmaceutical services, offering convenience, security, and reliability to users seeking healthcare solutions in today's digital age.

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