**Abstract**

DawaKhana is like a buddy for pharmacists, making their job easier and their customers happier. It's an app designed to help pharmacists handle everything smoothly in their pharmacy. Imagine having a smart helper that keeps track of all the medicines, reminds you when to order more, and helps you find what your customers need quickly. That's what DawaKhana does.

With DawaKhana, pharmacists can spend less time searching for medicines and more time helping people. The app keeps things organized, so pharmacists can focus on giving great service.

Users can create their accounts on DawaKhana and start adding medicines to their cart. It's simple and convenient. Whether you're a pharmacist managing one store or many, DawaKhana helps you keep everything in order. Plus, pharmacists can manage their distributors right from the app. With just a click, they can place orders for medicine, making restocking a breeze.

Moreover, DawaKhana sends reminders for medicines that are running low or about to run out, ensuring pharmacists never run out of essential stock. This feature helps pharmacists stay proactive in managing their inventory and ensures uninterrupted service for their customers.

Overall, DawaKhana is like a friendly assistant for pharmacists, helping them do their job better and making sure customers get the care they need.

**ACKNOWLEDGEMENT**

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, Mrs. Megha Mane for providing us with the right guidance and advice at the crucial juncture sand for showing me the right way. I extend my sincere thanks to our respected Centre Co-Ordinator Mr. Rohit Puranik, for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

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**INTRODUCTION**

Introducing DawaKhana: Your Complete Pharmacy Management and Online Shopping Solution

DawaKhana is your one-stop solution for pharmacy management and online healthcare shopping. It's a comprehensive platform designed to streamline operations for medical shops while providing customers with the convenience of shopping for healthcare products online.

For pharmacists, DawaKhana offers efficient tools to manage inventory, sales, prescriptions, and customer records. With user-friendly features accessible on a computer or tablet, pharmacists can handle all aspects of their store with ease.

Customers can browse a wide range of healthcare products on DawaKhana's online platform and place orders from anywhere. Whether they need prescription medications, over-the-counter remedies, or wellness products, DawaKhana makes it simple to find what they need and have it delivered to their doorstep.

DawaKhana prioritizes security and ease of use, ensuring that both pharmacists and customers can interact with the platform confidently. With straightforward interfaces and reliable features, DawaKhana makes managing a medical shop and shopping for healthcare products a hassle-free experience for everyone involved.

In summary, DawaKhana is the ideal solution for pharmacists seeking efficient pharmacy management tools and customers looking for convenient online healthcare shopping. It's a professional yet user-friendly platform that enhances the pharmacy experience for both sides. Welcome to DawaKhana, where managing your pharmacy and shopping for healthcare needs is made easy.

* 1. **Purpose:** The purpose of this document is to provide a detailed specification of the features and functionalities of the "DawaKhana" It outlines the requirements, system architecture, and user interactions.
  2. **Scope:** Dawakhana is an app made to help pharmacists run their stores smoothly. It lets them keep track of their medicines and other products, making sure they always have what they need. With Dawakhana, pharmacists can easily make bills for customers and manage their information. They can also add or remove distributors they work with and place orders for new stock. It's a simple and handy tool that makes running a pharmacy easier and more organized.
  3. **Objective Of DawaKhana:** Dawakhana provides a seamless platform for pharmacists to efficiently manage their pharmacies and connect with customers and distributors. Pharmacists can effortlessly organize their inventory, ensuring they have the medicines and products they need at all times. With Dawakhana, they can easily create bills for customers and maintain their profiles for personalized service. Pharmacists can also manage their relationships with distributors, adding or removing them as needed, and placing orders for new stock with ease. This user-friendly app streamlines pharmacy operations, providing 24/7 accessibility for pharmacists to optimize their business and serve their community effectively
  4. **Functionalities Provided By DawaKhana:** "DawaKhana" project offers a variety of features geared towards streamlining and improving the process of managing a pharmacy for users. Some of the primary functionalities provided by the project include:

1. **Users:** Users have the ability to register an account and engage in transactions seamlessly.If the medicine is not available they can point out for the medicine.
2. **Pharmacist:** A pharmacist can manage the user account and can perform varity of tasks like creating and removing a customer. Can manage stocks create bill, place order from distributors,manage stocks etc.
3. **RealTime Aviability:** Medicine in the stack will be available in realtime making it easier to manage the stocks. It will also help in placing the order for medicine beforehand
4. **User Registration and Authentication:** Users can create accounts and securely log in to the platform. Secure authentication mechanisms help protect user data and ensure that only authorized individuals can access the system.
5. **Search and Filtering:** Customers can search for medice based on their preferences, such as companyname, composition name, price range. Advanced filtering options make it easy to narrow down search results.
6. **Medicine Details:** Detailed information about each listed medicine is provided including original name power and company name.
7. **Transaction Tracking:** The platform offers tools to track the tansactions, from initial inquiry to final purchase.
8. **Data Integrity:** The system ensures accurate and consistent vehicle information across the platform, reducing errors and misinformation.
9. **Legal Compliance:** The project adheres to relevant legal requirements and data protection regulations, ensuring user privacy and security.
10. **User Support:** The platform provides user support to address any technical issues, inquiries, or assistance needed during the buying or selling process.

**2. REQUIREMENTS**

Functional Requirements

FR 1. User Registration and Authentication:

* Users can register by providing necessary details.
* User authentication is required to access the system.
* Forgot password functionality allows users to reset their passwords.

FR 2. Medicine Inventory Management:

* Pharmacist can add, update, or delete medicine and details.
* Medicine can be categorized by company , power and price.
* Medicine images can be uploaded and associated with each model.

FR 3. Booking and Reservation:

* Customers can search for available medicine based on various filters.
* Customers can view medicine details and add them in cart.
* Pharmacist can approve or reject request and update availability.

FR 4. User Profiles:

* Users can view and update their profiles.
* User profiles store personal information, contact details, and past bookings.

FR 5. Distributor :

* Pharmacist can manage inventory management and distributor name.
* Each distributor includes information about the company, name, and medicines.

FR 6. Document Management (KYC):

* Users can submit and update their KYC documents.
* Admins can review and verify submitted documents.

FR 7. Image Upload:

* Pharmacist can upload images of Medicines.
* Users can view images.

FR 8. Error Handling and Reporting:

* The system handles errors gracefully and provides appropriate error messages.
* Admins can access logs and error reports for troubleshooting.

Non Functional Requirements:

NFR 1. Security:

* User passwords are securely stored using encryption techniques.
* Access controls ensure that users can only access authorized features.

NFR 2. Performance:

* The system should handle a large number of simultaneous users without significant slowdowns.
* Image loading and retrieval should be efficient for a smooth user experience.

NFR 3. Scalability:

* The system should be designed to accommodate future growth and increased user activity.

NFR 4. Usability:

* The user interface should be intuitive and user-friendly for both customers and administrators.
* Clear and concise error messages should guide users through any issues.

NFR 5. Reliability:

* The system should be available and operational 24/7 with minimal downtime.

NFR 6. Data Integrity:

* Data integrity and consistency are maintained through proper validation and database design.

NFR 7. Data Privacy:

* User data, especially personal and sensitive information, should be stored securely.

Other Requirements:

Hardware and Network Interfaces:

* Back-end Server Configuration:
* Intel Pentium-IV Processor
* 128 MB RAM
* 1 Raid Controller Card - 32-bit Ethernet Controller (100 Base-T)
* 8 x 2.0 GB Fast SCSI/2 with Raid Support
* 2.88 MB FDD
* 48x CD ROM Drive Wheels on Demand 9 IACSD
* SVGA Colour Monitor on PCI with 1MB RAM
* 101 Keys Keyboard
* 1 Microsoft Mouse with pad
* 4/8 GB DAT
* One Serial & Two Parallel Ports
* Internet Information Server (IIS)
* Microsoft Transaction Server (MTS) Front-end Client Configuration:
* Intel Pentium-III @ 650 MHz Processor
* 128 MB SDRAM
* 10 GB Hard Disk Drive
* 1.44 MB Floppy Disk Drive
* 15” SVGA Digital Color Monitor
* One Serial
* One Parallel port
* and One USB port
* 104 Keys Keyboard
* PS2 Mouse with pad
* 32-bit PCI Ethernet Card
* 48X CD Drive

Software Interfaces:

* Software configuration for back-end Services: -
* Windows NT
* Server 4.0
* SQL Server 7.0 Software configuration for front-end Services:
* Virus Protection Software
* Client Workstation
* Office 2000 -Web Browser
* Internet Explorer/Netscape