

Pharmaceutical Distribution Web Application

– Project Overview

1 Introduction

The primary goal of the project is to simplify and digitalize how pharmacies receive product catalogs, view offers, and place orders — particularly focused on **baby care products**.

The application offers a modern alternative to traditional order placement methods (e.g., by phone), and improves the distributor's ability to manage offers and orders efficiently through a structured platform.

2 Main Features and Objectives

2.1 Dual-Panel System

The system is structured around two main user panels:

- **Admin Panel:** Used by distributors to upload offers, manage client pharmacies, and track their order history.
- **Client Panel:** Used by pharmacies to view updated price lists, place orders, and download offer documents.

2.2 Frontend Interface

The interface is developed with **React.js** and **CSS**, ensuring a clean and accessible experience for both administrators and pharmacy clients.

Users can log in securely, access customized dashboards, and perform their tasks intuitively based on their role.

2.3 Backend System

The backend is powered by **PHP** and **MariaDB**, providing a stable and performant foundation for business logic and data management.

The application follows the **MVC architectural pattern**, separating data models, views, and controllers for better maintainability and scalability.

2.4 Core Functionalities

Key features include:

- User registration and secure login

- Password change and profile management
- Uploading and downloading offer documents (Excel)
- Order placement with automatic date filtering
- Admin-side management of pharmacy clients and order tracking

3 Technical Stack

- **Frontend:** React.js, CSS, Axios
- **Backend:** PHP, MariaDB
- **Authentication:** Session-based with role handling
- **Architecture:** MVC (Model-View-Controller)

4 Application Visuals

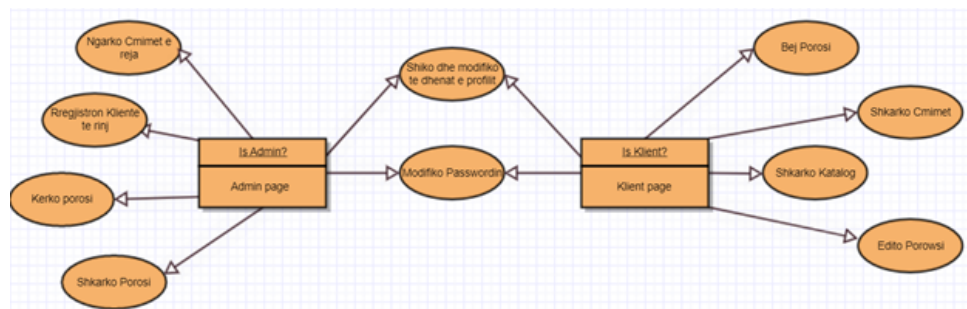


Figure 1: Application structure and user role flow

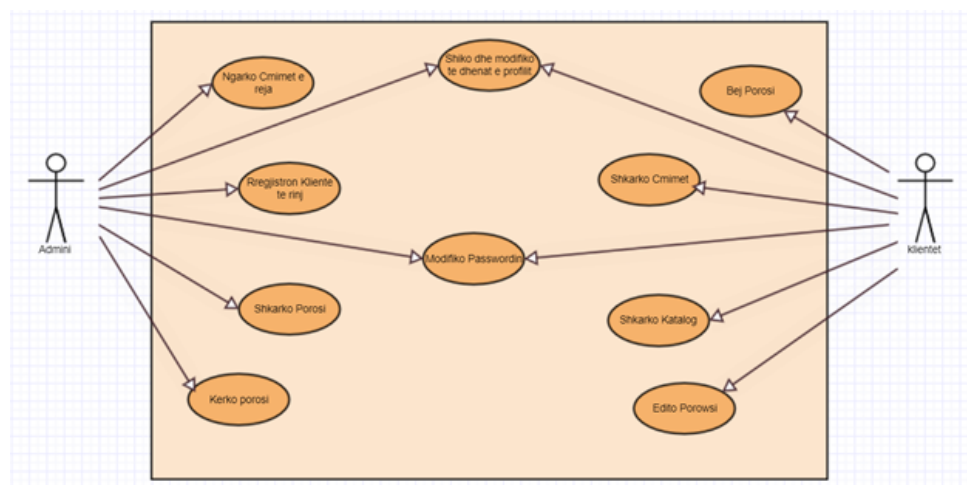


Figure 2: Use case diagram showing system actions

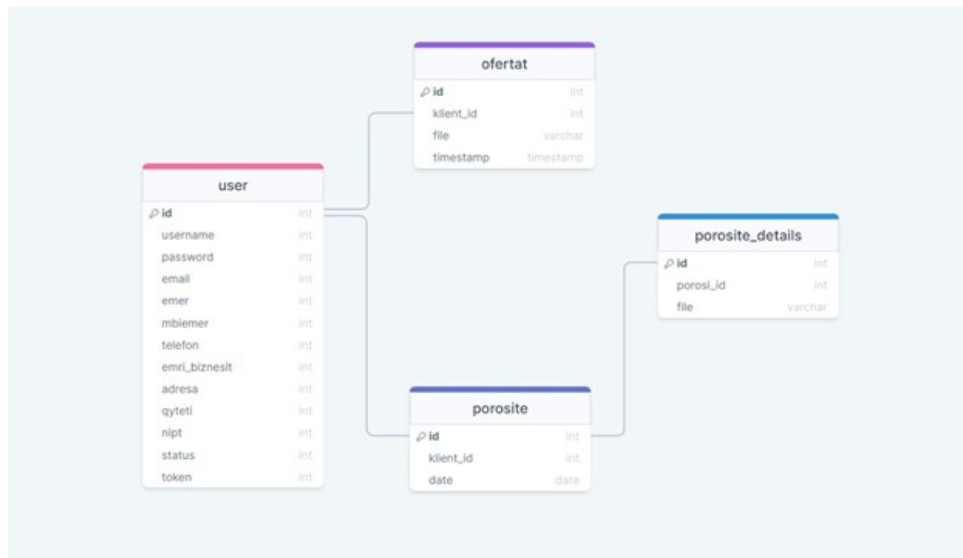


Figure 3: Database schema overview

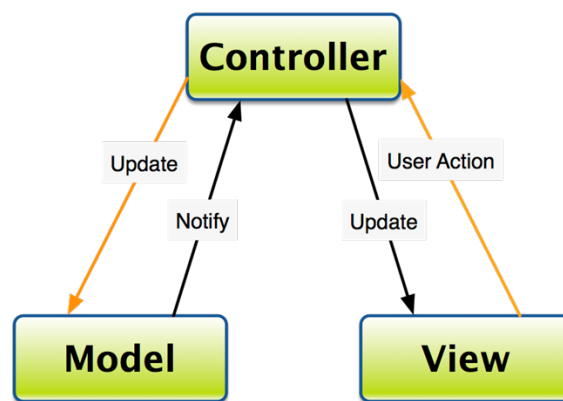


Figure 4: MVC architecture applied in the backend

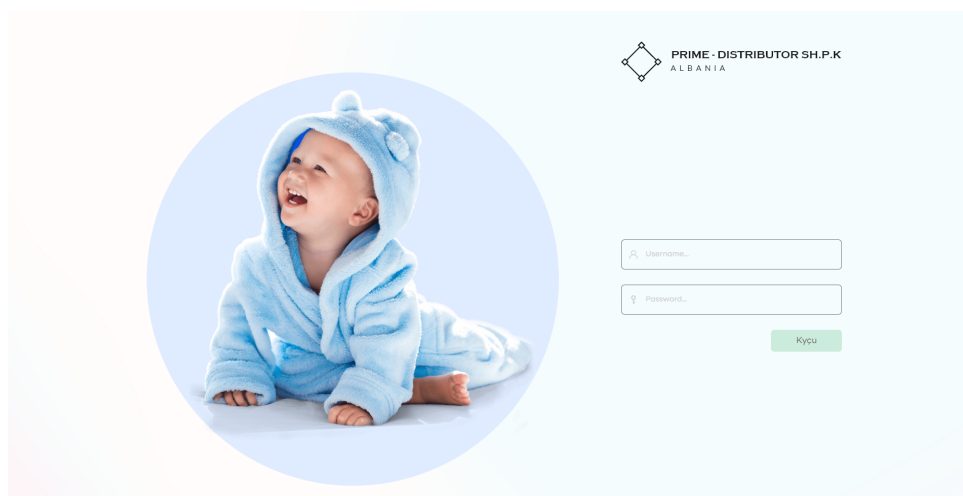


Figure 5: Login screen

Klientet (9)

Kerko... [+ Shto Klient](#)

FARMACIA	EMAIL	TELEFON	ADRESA	QYTETI	MENAXHERI
Farmac 34	klent1@gmail.com	069369221	Rruga Sales	Tiron	klent1 klientmbiemer
Farmac Prime	primedistribution@gmail.com	+355688888888	Shkolla Boletit	Tiron	Prime Distribution
Farmac Lala	fatmir@gmail.com	06003690561	Rruga Tano	Lushnje	Fatmir Lala
CodelT	sidorela	355698855998	Myslym Shyr	Tirane	Sidorela Hamzaj
biznes_test	test@test.com	123123	adrr	asd	jen dujje
Farmac Baka	ylli@test.com	069 12 312 31	Rruga Fortuzi, Tirane	Tirane	Ylli Baka
test	test@test.com	test	test	test	test test
ASSL	aleshajulaj@gmail.com	068823232	trane	trane	alesia hajrullaj
detjon's	detjon@gmail.com	123456789	dicka	dicka	detjon zelaj

1

Figure 6: Admin view of pharmacy clients

Ngarko Doc

Farmac 34

069369221
klent1@gmail.com
Rruga Sales

KFC Albania_products - 23(1).xlsx KFC Albania_products - 23(1)(1).xlsx Legal Disclaimer.docx

Porosit

2021-06-25

Figure 7: Upload and manage offers

Porosite (6)

Kerko... [+ Shto Porosi](#)

ID	DATA
#34	2022-09-06
#27	2022-03-08
#25	2022-02-25
#22	2021-08-23
#21	2021-07-01
#20	2021-06-28

1

Figure 8: Order list view for clients

PRIME-DISTRIBUTOR SH.P.K.
ALBANIA

General Password

Password i vjetër
Password i vjetër

Password i ri
Password i ri

Ruaj

Figure 9: Password update screen

PRIME-DISTRIBUTOR SH.P.K.
ALBANIA

General Password

Emri
Vasi

Mbiemer
Prime

Email
info@prime.al

Telefon
0689636526

Emri Biznesit
Prime Distribution

Adresa
Rruga Bankadave

Qyteti
Tiranë

Nipt
asdasdasd

Ruaj

Figure 10: User profile and business info screen