



Medicine Management Web Application

Group 7

Member

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Abstract

- **Medical Information** is one of the types of information that are characterized by the multiplicity and diversity of its sources. This diversity contributes to the emergence of many problems; of which the most important is the difficulty of communication and interaction between systems.
- In this context, the principal purpose of our **Medical Management Project** is to handle the features of *Sells, Medicines, Stocks, Company, Inventory*. The project was built at the administrative intention - based on **Django Framework**, thus only the administrator has guaranteed the access.
- Furthermore, the function of the project aims to reduce manual work and help the user to interact with a huge number of medical drugs and medicines.



Introduction



Due to the excessive necessity for healthcare and medicines during COVID – 19 pandemic, organizing the sales of medications is one of the top priority tasks for hospitals.



Wearing mask and social distancing are essential, but since medicines are mostly provided in local stores - making physical contact unavoidable.



Our team is inspired to develop an online website, with the purpose of reducing close contact between individuals to help overcome this situation.

General Methodologies:



Django

A high – level Python web framework that encourages rapid development with clean and pragmatic design



HTML/CSS

Two of the core technologies for building Web pages. They are the basis of creating Web Applications



Javascript

Scripting language that allows implementing complex features on the web pages



SQLite

A lightweight software that provides a relational database management system

Overall Functionalities

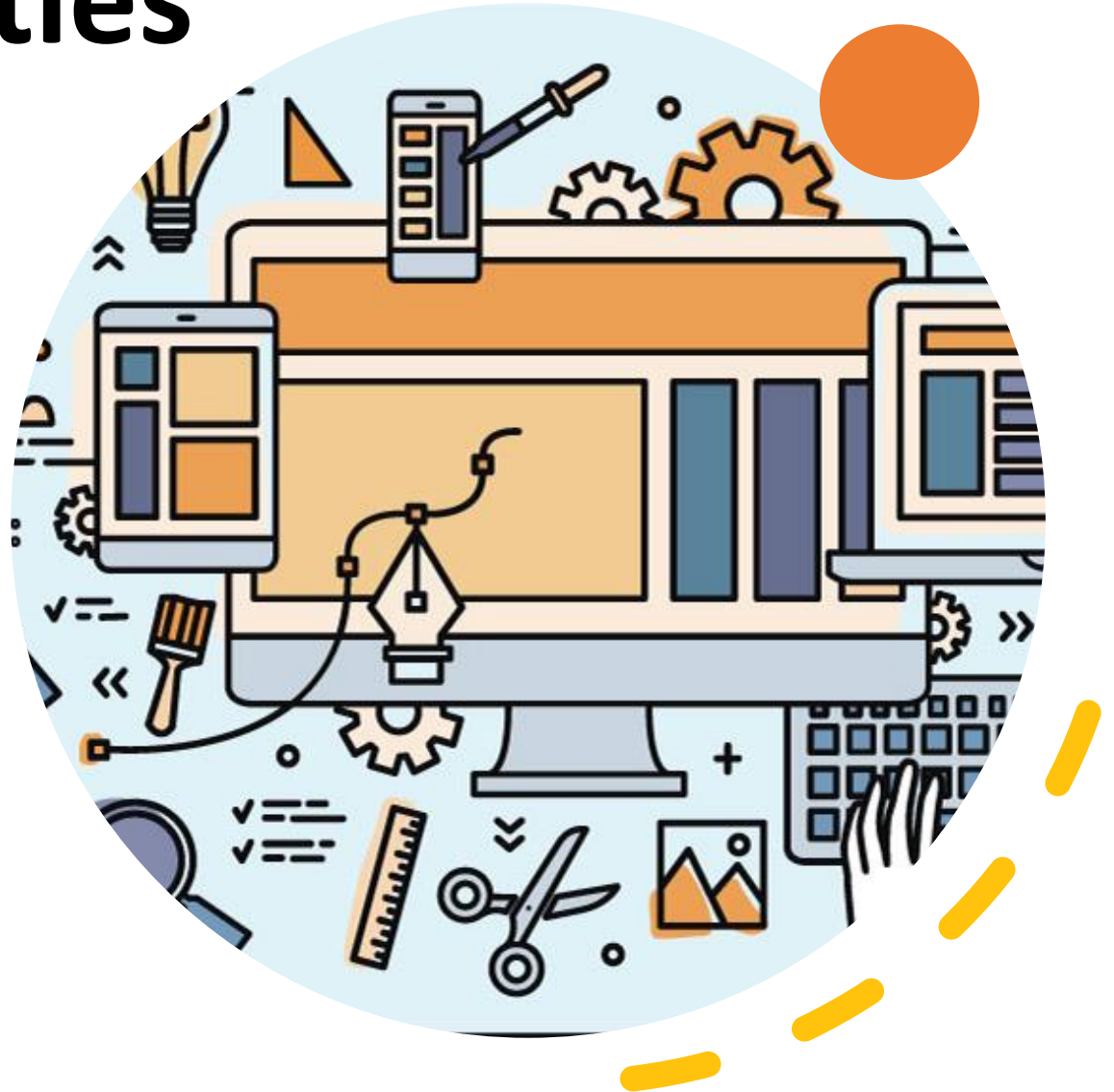
- **C.R.U.D function**

- Show all drugs and its details (name, type, amount, exp, mfg, brand, description, updated date)
- Add new drug(s), update existing drug(s), delete drug(s)

- **Authentication**

- Register, using username and password
- Log in/out of an existing account via Google or Facebook account

- **Search function**



Project Overview

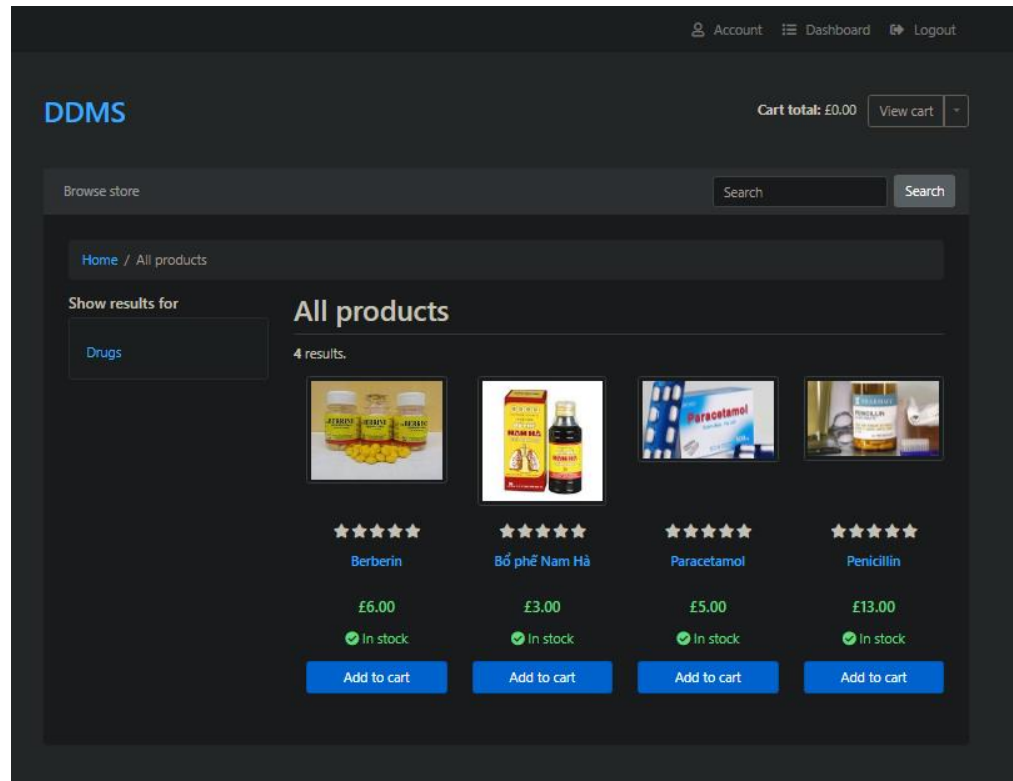


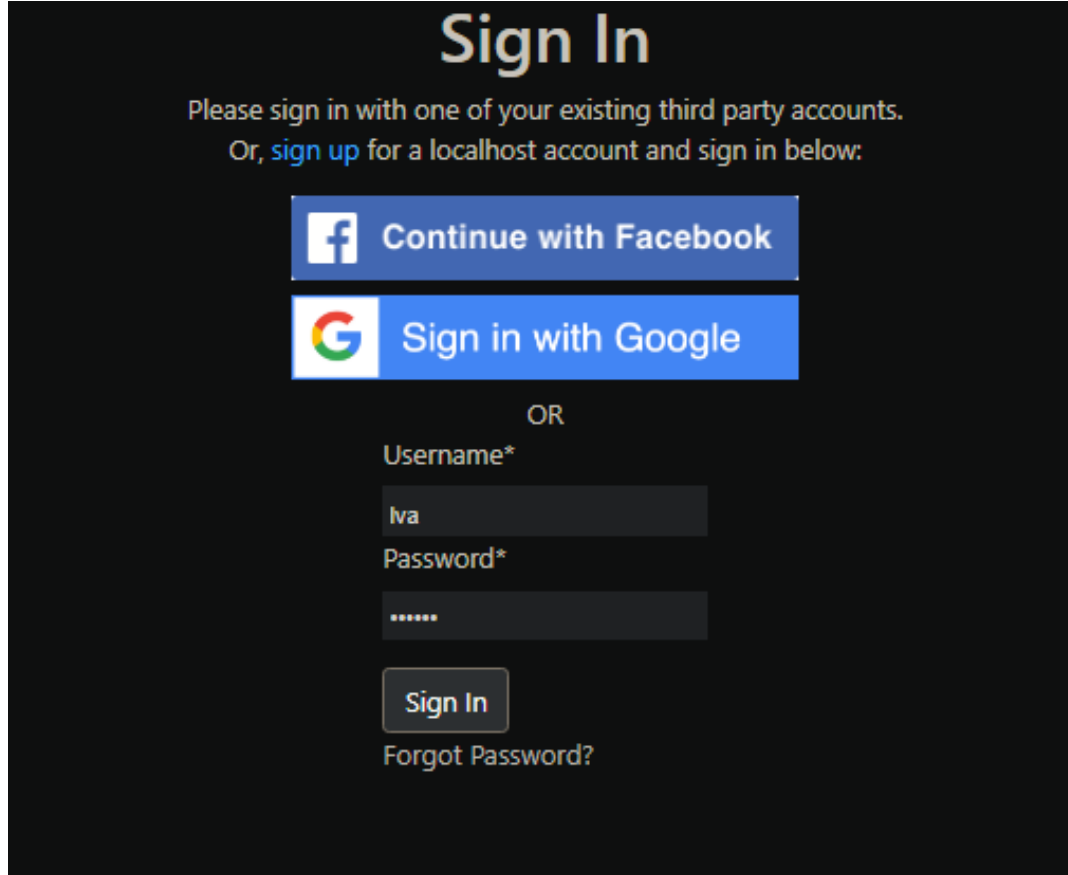
Fig1. Medicines Catalog

The screenshot shows the 'Drug List' table in the DDMS interface. The table has columns for ID, NAME, TYPE, AMOUNT, EXP, MFG, BRAND, DESCRIPTION, UPDATED, and ACTION. The table contains 10 entries. The 'ACTION' column has a dropdown menu with options: View Details, Edit, and Remove.

ID	NAME	TYPE	AMOUNT	EXP	MFG	BRAND	DESCRIPTION	UPDATED	ACTION
bl1	Madopar	PILLS	123	Sept. 29, 2022	Sept. 29, 2021	F.Hoffmann-La Roche., Ltd	The drug works on the blood.	Oct. 29, 2021	...
bl2	Trihexyphenidyl 2mg	PELLETS	220	Sept. 29, 2022	Sept. 29, 2021	Pharmedic	The drug works on the blood.	Oct. 29, 2021	...
bl3	Stalevo 100/25/200	PELLETS	200	Sept. 29, 2022	Sept. 29, 2021	Orion Corporation	The drug works on the blood.	Oct. 29, 2021	...
bl4	Madopar	CAPSULES	200	Sept. 29, 2022	Sept. 29, 2021	F.Hoffmann-La Roche., Ltd	The drug works on the blood.	Oct. 29, 2021	...
bl5	Sifrol	CAPSULES	200	Sept. 29, 2022	Sept. 29, 2021	Boehringer Ingelheim pharma GmbH & Co	The drug works on the blood.	Oct. 29, 2021	...
bl6	Sifrol	CAPSULES	200	Sept. 29, 2022	Sept. 29, 2021	Fresenius Kabi Vietnam Joint Stock Company - VIETNAM	The drug works on the blood.	Oct. 29, 2021	...
bl7	Masopen 100/10	INHALANTS	200	Sept. 29, 2022	Sept. 29, 2021	CPCI Pharmaceutical Joint Stock Company Hanoi - VIETNAM	The drug works on the blood.	Oct. 29, 2021	...
bl8	Sifrol	LINIMENT	200	Sept. 29, 2022	Sept. 29, 2021	B.Braun Melsungen AG - Germany	The drug works on the blood.	Oct. 29, 2021	...
bl9	Stalevo 150/37.5/200	LINIMENT	200	Sept. 29, 2022	Sept. 29, 2021	Warsaw Pharmaceutical Works Polfa - Poland	The drug works on the blood.	Oct. 29, 2021	...
bl10	Syndopa 275	LINIMENT	200	Sept. 29, 2022	Sept. 29, 2021	B.Braun Melsungen AG - Germany	The drug works on the blood.	Oct. 29, 2021	...


Fig2. Table of Database


Project Overview



Sign In

Please sign in with one of your existing third party accounts.
Or, [sign up](#) for a localhost account and sign in below:

 Continue with Facebook

 Sign in with Google

OR

Username*

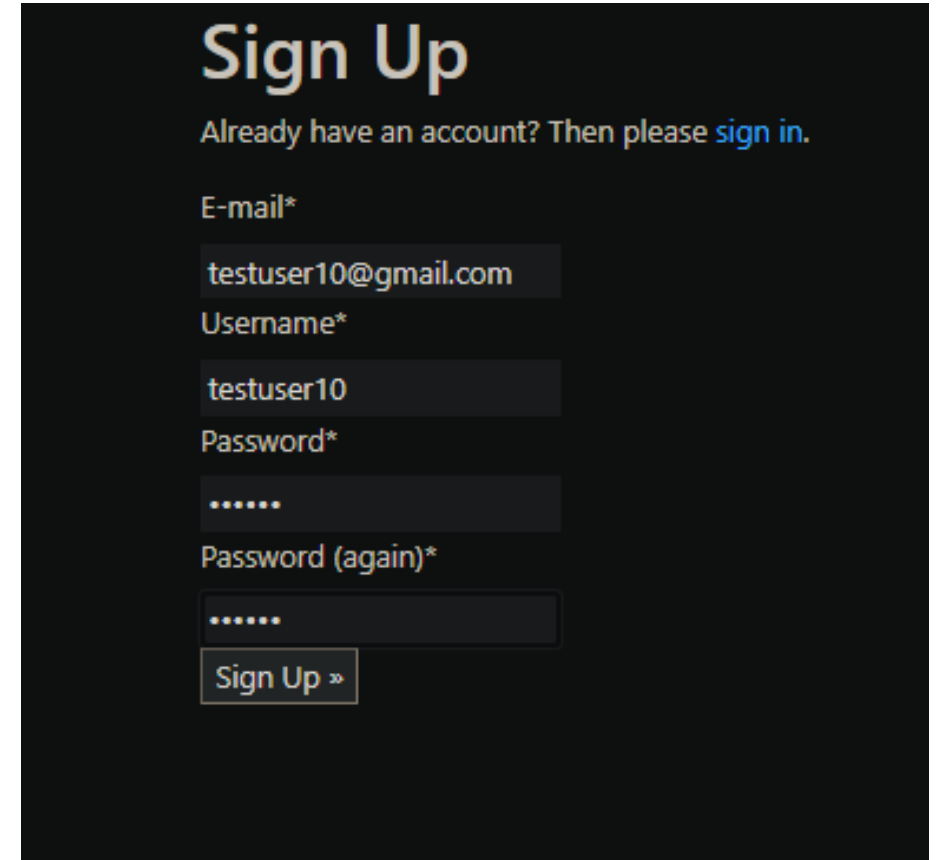
Iva

Password*

.....

Sign In

[Forgot Password?](#)



Sign Up

Already have an account? Then please [sign in](#).

E-mail*

testuser10@gmail.com

Username*

testuser10

Password*

.....

Password (again)*

.....

Sign Up »

Fig3+4. Login/Register Page

Conclusion

- By far, with the tremendous help of **Django** platform, we can create a website that is user-friendly and convenient to use. Customers can access and purchase prescribed medication with simplicity and insurance.
- For the administrators, they can always update the data, add or diminish products, or import/export files in the store with ease.
- The *log-in* system makes sure that the existing accounts are highly secured by linking them with their respective Google or Facebook accounts.



Future Improvements

Doctor's prescriptions

Information about the
doctors

Advice about the
drugs

Payment methods
remained incomplete.

Etc.



Thank you
for
listening!

