Introduction

Pharmacya website is a website that helps pharmacies to manage their products, invoices and users. Pharmacy admin can manage users (Add and Remove users). Pharmacy admin and any user can manage items (Buy and Sell) and can print invoices.

This website uses html5, CSS, web sql database, bootstrap v4.5.x, jQuery library, Cryptojs, bootstrap icons.

It contains four folders( HTML, CSS, JAVASCRIPT and PHOTOS)and index html file which starts the website and is the home page to sign in. HTML folder contains 5 html files one for the admin interface, one for managing users(accessed only by admin), one for managing items(accessed by all users), one for adding items and one for selling items. CSS folder contains only one CSS file which is applied for all html files. Photos contains all images used in the website. JAVASCRIPT folder contains one JS file which is linked to all html files, it contains the data base opening and creating three tables(Users, Items and Invoices)it contains 11 main functions and some other functions for navigation and simple alerts.

The main functions are:

* **LOGIN**

Check if the entered name and password matches any user in the datebase or not, if it matches and it is admin it will redirect to admin interface page but if it not admin it redirect to manage items page.

* **Admin Check**

Whenever any user try to access mange users page it checks if he is an admin or not if admin it redirect to manage users page if not it alert that it’s not from its authorities and redirect to sign in page.

* **ADD USER**

Check the data base if the username already exists or not, if not exists its added to the users table, if exists it alerts that username already exists.

* **Remove USER**

Check the data base if the username exists or not, if exists it remove it from the users table, if its admin it alerts that admin can’t be removed, if it doesn’t exist it alerts that it doesn’t exist.

* **USERS VIWE**

It selects all the Ids and Names from users table and preview it in a table in the current page.

* **TODAY INVOICE VIWE**

It selects all the invoices of todays date from invoices table and preview it in a table in the current page.

* **EACH USER INVOICE**

It selects all the invoices of todays date and the current signed in user from invoices table and preview it in a table in the current page.

* **VIEW ITEMS**

It selects all the items from items table and preview it in a list in the current page.

* **CAMERA SCREENSHOT functions**

To take a screen shot from the camera firstly access camera and preview it in the page there is two functions Stop(e) for stopping the video and the camera and takescreenshot()to take a screenshot from the video and preview it in the canvas.

* **ADD ITEM**

Check if the entered product is in the database or not, if not it inserts it in the items table and insert an invoice in the invoice table and preview the invoice in the current page, if exists ask user if he wants to update the recent quantity if yes insert an invoice in the invoice table and preview the invoice in the current page.

* **SELL ITEM**

Check if the entered name is in the items or not if yes check if the quantity is greater than entered or not if yes update the quantity in items table, insert it into invoice table and preview invoice in the current page but if the quantity is smaller or the name doesn’t exist it alert a warning and nothing done.