Faculty of Information Technology

Future University - Sudan

Khartoum-Sudan

Semester Project (ON-THE-JOB TRAINING)

Proposal for Medical Clinic Management System

Future clinic system

Group member

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1. Introduction

In today's fast-paced healthcare environment, efficient management of patient records, appointments. This proposal outlines the development of a Medical Clinic Management System to streamline clinic operations, enhance patient experience, and improve overall efficiency.

2. Project Objectives

The proposed system aims to:

- Automate Patient Management: Maintain detailed patient records, including medical history, appointments, and prescriptions.
- Enhance Appointment Scheduling: Allow online appointment booking, reducing wait times and improving patient flow.
- Secure Data Management: Ensure confidentiality and security of patient data through authentication and encryption.
- Support Multi-User Access: Provide role-based access for doctors, nurses, receptionists, and administrators.

3. System Features

A. User Management

- Admin panel for managing users (user - admin).
- Role-based access control.

B. Appointment Management

- Online appointment scheduling.
- calendar view for better scheduling.

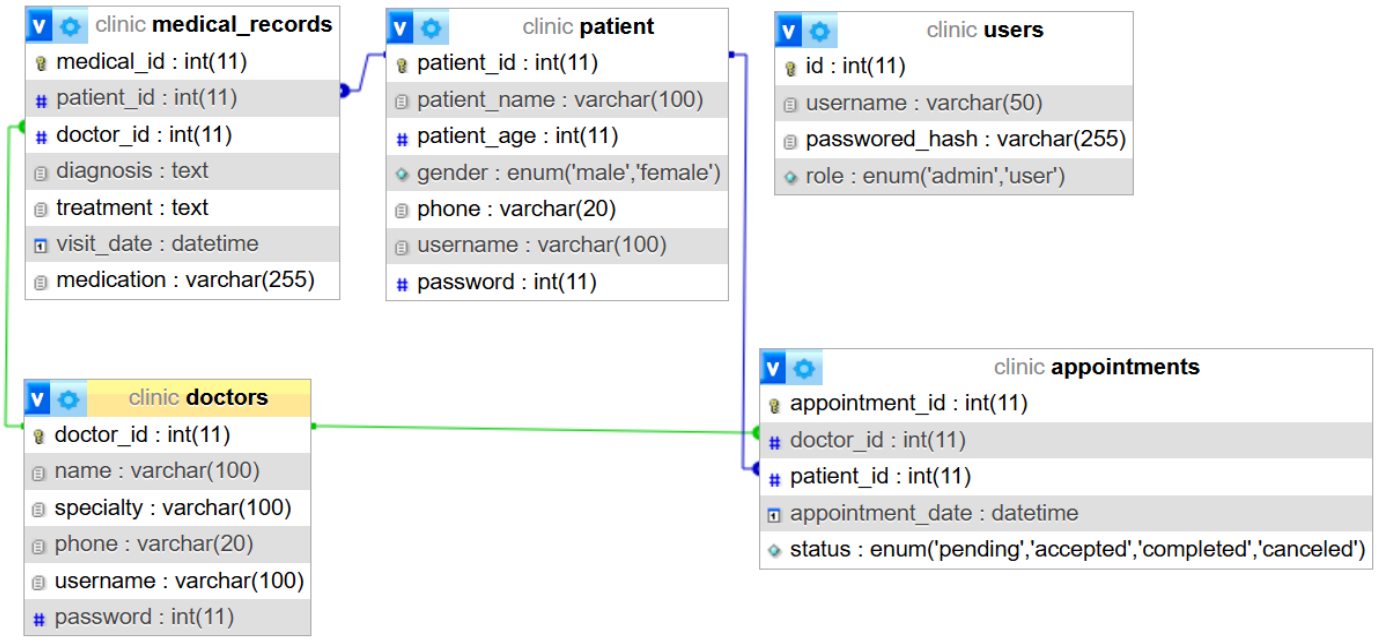
C. Patient Records

- Secure storage of patient medical history.
- Easy retrieval and update of records.

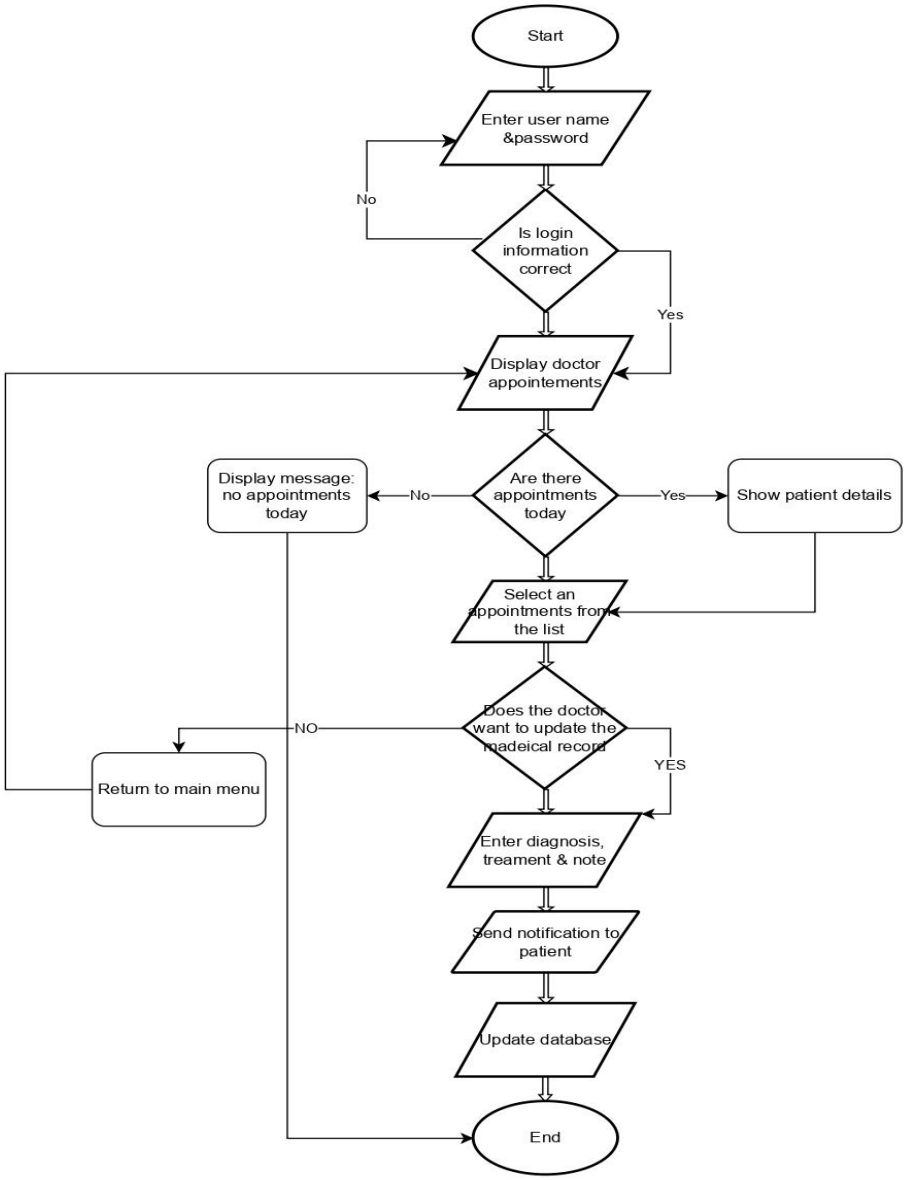
4. Technology Stack

- Backend: php
- Frontend: HTML, CSS, JavaScript (Bootstrap)
- Database: MySQL

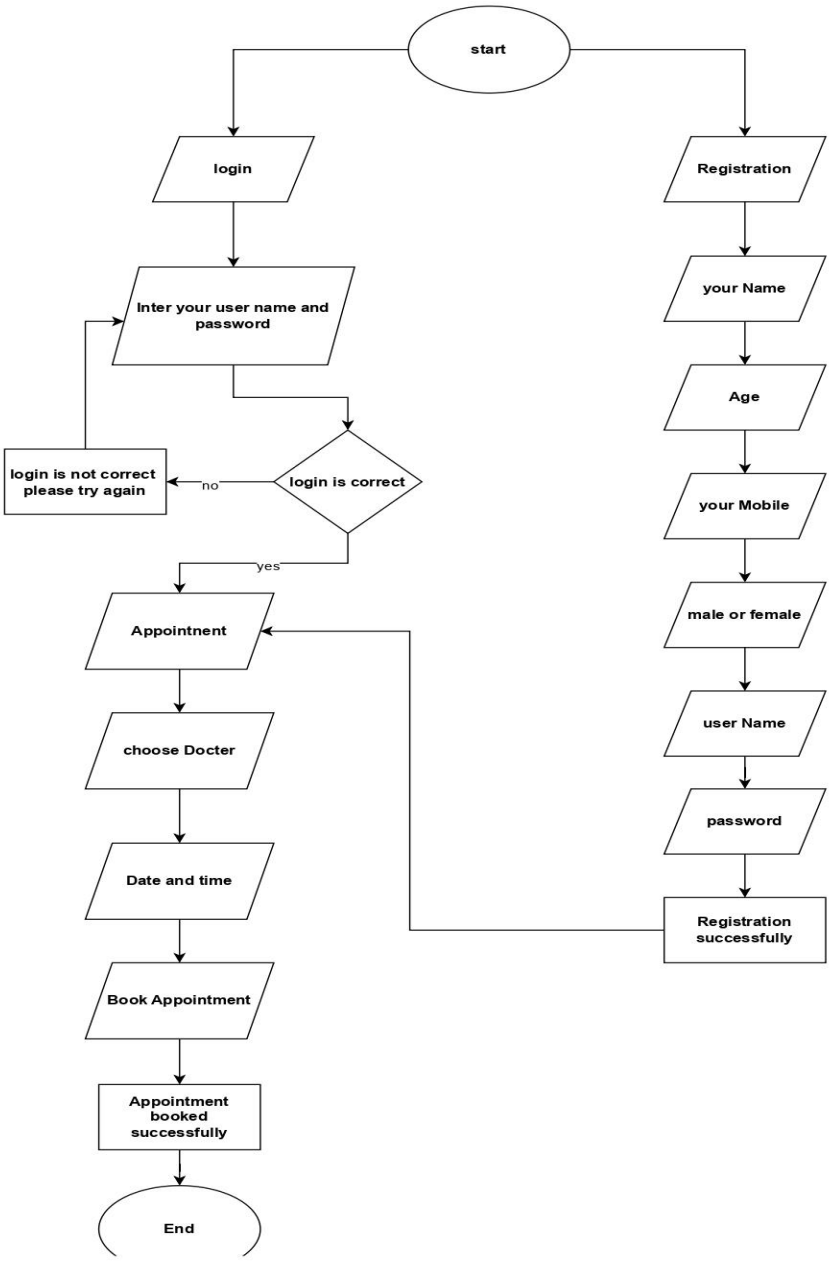
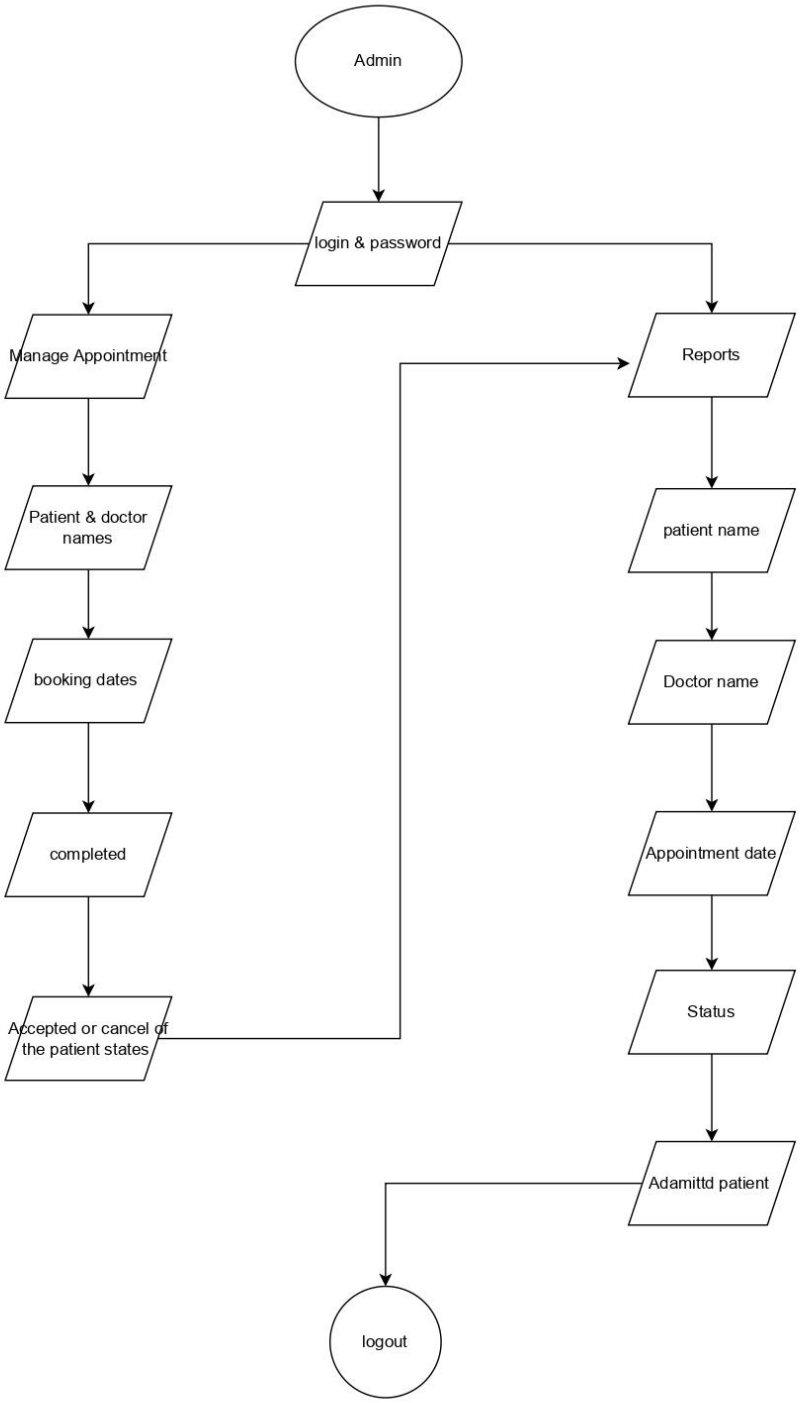
❖ Entity relationship diagram



Flow Chart For Doctor



Flow Chart For Patient


start
login
Registration
Inter your user name and password
your Name
Age
your Mobile
male or female
user Name
password
Registration successfully
login is not correct please try again
no
login is correct
yes
Appointnent
choose Docter
Date and time
Book Appointment
Appointment booked successfully
End

Flow Chart for Admin