



HEALTH CARE PORTAL DBMS PROJECT

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ABOUT US



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4TH SEMESTER
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INTRODUCTION



Mission

- To empower patients and healthcare providers with a comprehensive and user-friendly healthcare portal that facilitates seamless communication, efficient management of appointments and medical records, and ultimately enhances the overall healthcare experience.

- Our vision is to revolutionize healthcare delivery by leveraging technology to create a patient-centric platform that prioritizes accessibility, transparency, and collaboration among patients, doctors, and staff. We aim to redefine the healthcare experience, making it more personalized, efficient, and empowering for all stakeholders involved.



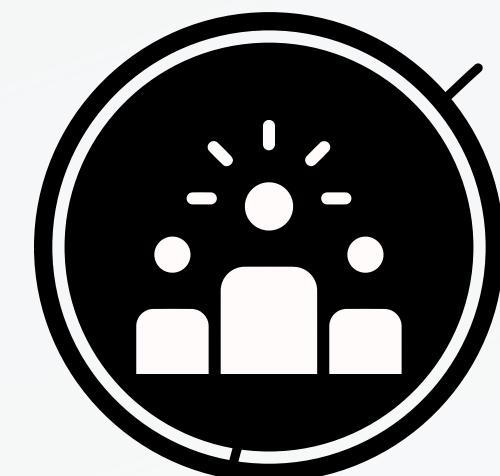
Vision

GOALS AND OBJECTIVES

Objective n° 1

Enhances Experience

Provides patients with easy access to medical services, appointments, and provides healthcare professionals with health information about their patients through a user-friendly portal interface.



Objective n° 2

Facilitate Efficient Communication

Foster seamless communication and collaboration among patients, doctors, and staff members. Patients can communicate with healthcare providers to schedule, reschedule, and cancel appointments. Patients can also make inquiries, prescription refills, and follow-up discussions.

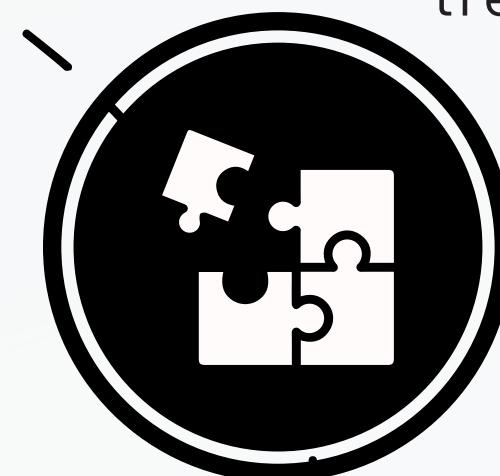


Objective n° 3

Optimize Medical Records Management

Centralize and streamline the management of patient medical records for improved accessibility and accuracy.

Medical providers can create, update and patients can access their medical records securely through the portal, including diagnoses, treatments, medications, and lab results.



DATABASE CREATION

```
CREATE DATABASE IF NOT EXISTS HealthPortalDB;  
USE HealthPortalDB;
```

Explanation:

- Creates a new database named "HealthPortalDB" if it doesn't already exist.
- Switches to using the newly created database for subsequent operations.

PATIENTS TABLE

Explanation:

- Creates a table named "Patients" to store patient information.
- Includes columns for patient ID, name, email, phone number, and address.
- The patient ID column is set to auto-increment for unique identification.

```
CREATE TABLE IF NOT EXISTS Patients (  
    patient_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(255) NOT NULL,  
    email VARCHAR(255) UNIQUE,  
    phone VARCHAR(15),  
    address VARCHAR(255)  
);
```

DOCTORS TABLE

```
CREATE TABLE IF NOT EXISTS Doctors (
  doctor_id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(255) NOT NULL,
  specialization VARCHAR(255),
  email VARCHAR(255) UNIQUE,
  phone VARCHAR(15)
);
```

Explanation:

- Creates a table named "Doctors" to store doctor information.
- Includes columns for doctor ID, name, specialization, email, and phone number.
- The doctor ID column is set to auto-increment for unique identification.

APPOINTMENT TABLE

Explanation:

- Creates a table named "Appointments" to store appointment information.
- Includes columns for appointment ID, patient ID, doctor ID, appointment date, and status.
- Defines foreign keys to establish relationships with the Patients and Doctors tables.

```
CREATE TABLE IF NOT EXISTS Appointments (
  appointment_id INT AUTO_INCREMENT PRIMARY KEY,
  patient_id INT,
  doctor_id INT,
  appointment_date DATE,
  status ENUM('Scheduled', 'Cancelled', 'Completed'),
  FOREIGN KEY (patient_id) REFERENCES Patients(patient_id),
  FOREIGN KEY (doctor_id) REFERENCES Doctors(doctor_id)
);
```

MEDICAL RECORDS TABLE

```
CREATE TABLE IF NOT EXISTS MedicalRecords (
    record_id INT AUTO_INCREMENT PRIMARY KEY,
    patient_id INT,
    doctor_id INT,
    diagnosis TEXT,
    treatment TEXT,
    date_created TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (patient_id) REFERENCES Patients(patient_id),
    FOREIGN KEY (doctor_id) REFERENCES Doctors(doctor_id)
);
```

Explanation:

- Creates a table named "MedicalRecords" to store medical record information.
- Includes columns for record ID, patient ID, doctor ID, diagnosis, treatment, and date created.
- Defines foreign keys to establish relationships with the Patients and Doctors tables.

STAFF TABLE

Explanation:

- Creates a table named "Staff" to store staff information.
- Includes columns for staff ID, name, role, email, and phone number.
- The staff ID column is set to auto-increment for unique identification.

```
CREATE TABLE IF NOT EXISTS Staff (
    staff_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    role VARCHAR(255),
    email VARCHAR(255) UNIQUE,
    phone VARCHAR(15)
);
```

ADVANTAGES

01

02

03

04

IMPROVED ACCESS:

Patients can easily schedule appointments, access medical records, and communicate with healthcare providers online, enhancing accessibility.

ENHANCED ENGAGEMENT

Empowering patients to actively participate in their healthcare management promotes engagement and accountability.

CENTRALIZED RECORDS

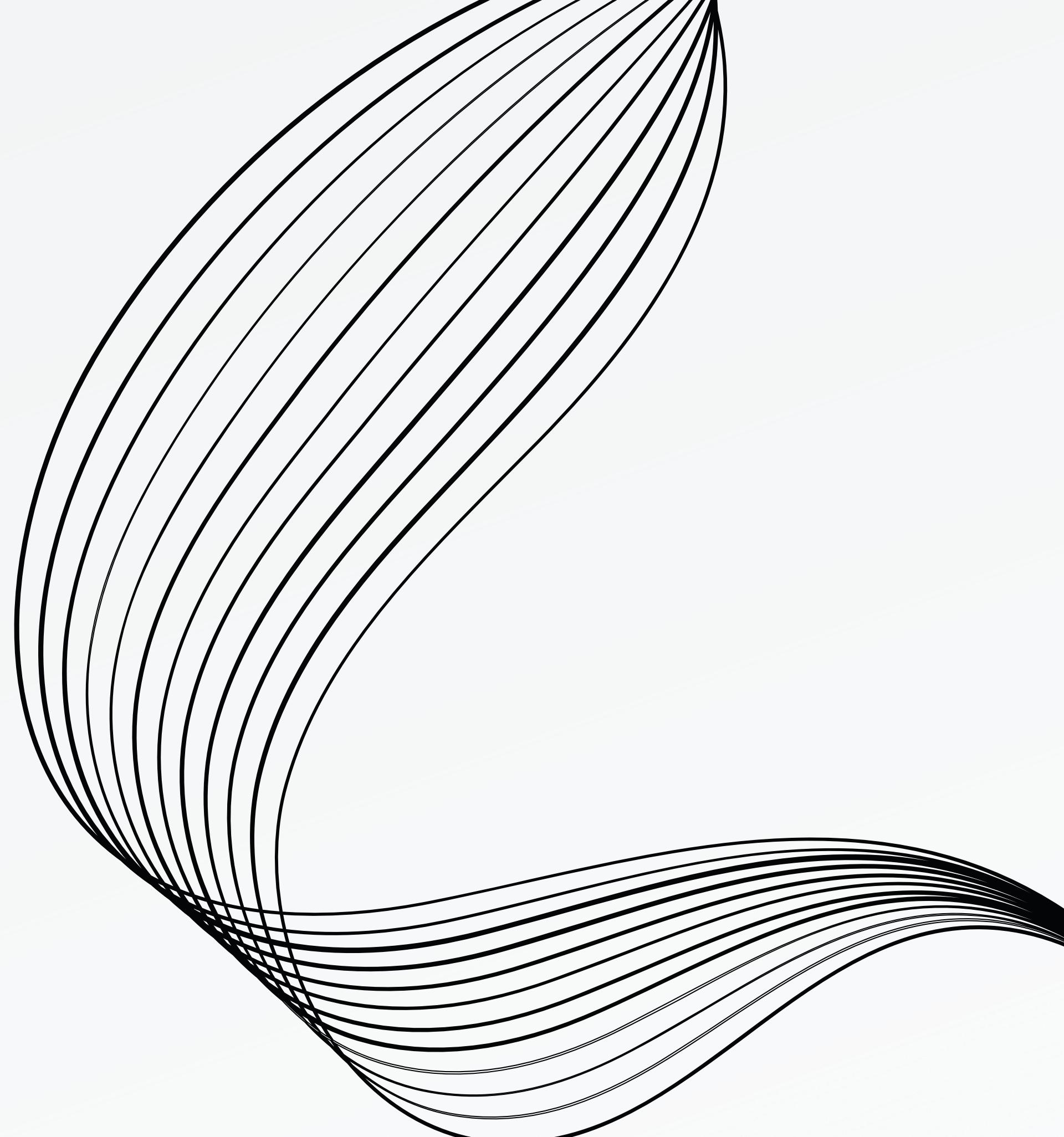
Centralizing medical records ensures accessibility to authorized providers, promoting care continuity and informed decision-making.

EVIDENCE-BASED PRACTICES:

Decision support systems aid providers in adhering to evidence-based practices, leading to better standardized care delivery.

CONCLUSION

In conclusion, the Health Care Portal Database lays the groundwork for a transformative healthcare ecosystem, fostering accessibility, efficiency, and collaboration. By prioritizing patient-centered care and leveraging technology, we aim to revolutionize healthcare delivery, empowering individuals and healthcare providers alike to achieve better outcomes and enhance overall well-being.



THANK YOU