

Group 04

MEDICAL CENTER



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FPT Aptech

HOSPITAL MANAGEMENT SYSTEM

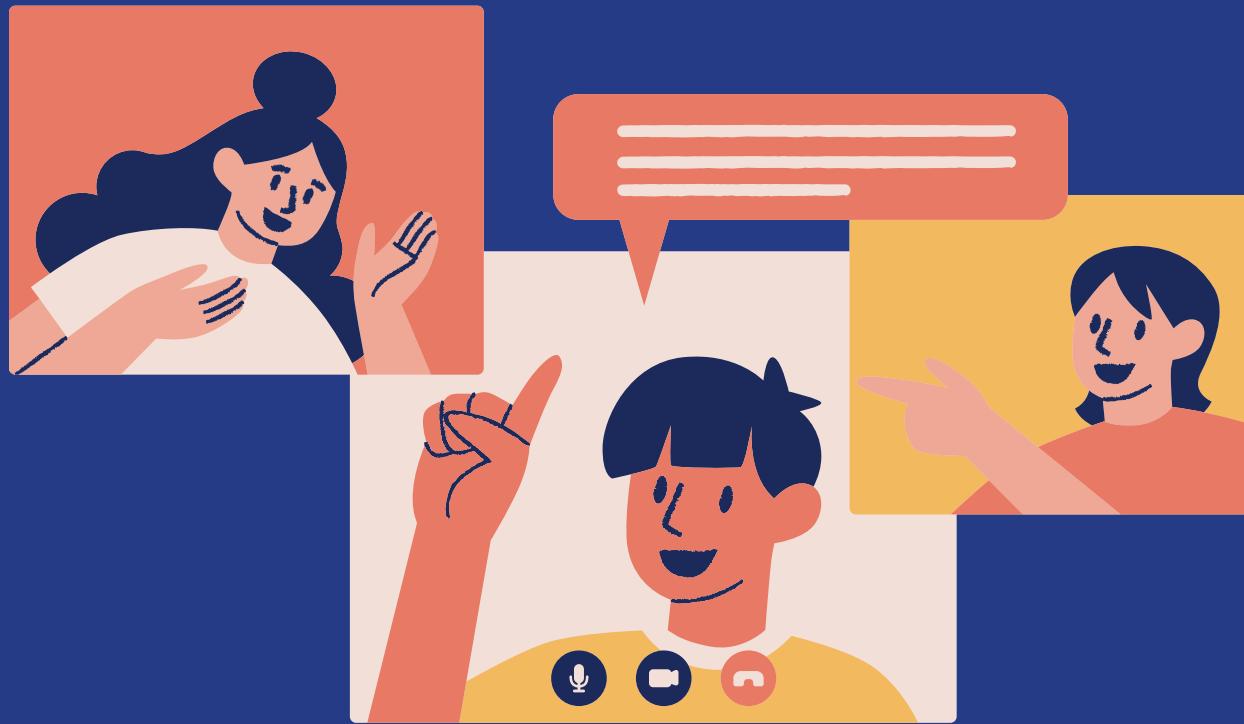
- Software for Managing Doctor's Encounter and Medical Information

Overall Project Objective:

- Develop an efficient system for managing medical information for small hospitals and clinics.



PROBLEMSTATEMENT



1. Reason for Choosing the Topic:

- Currently, many small hospitals and clinics still manage patient information and appointment schedules manually, leading to various issues and errors.

2. Current Issues:

- Inefficient information management
- Difficulties in searching and storing data
- High risk of errors and information loss

PROJECT GOALS AND SCOPE



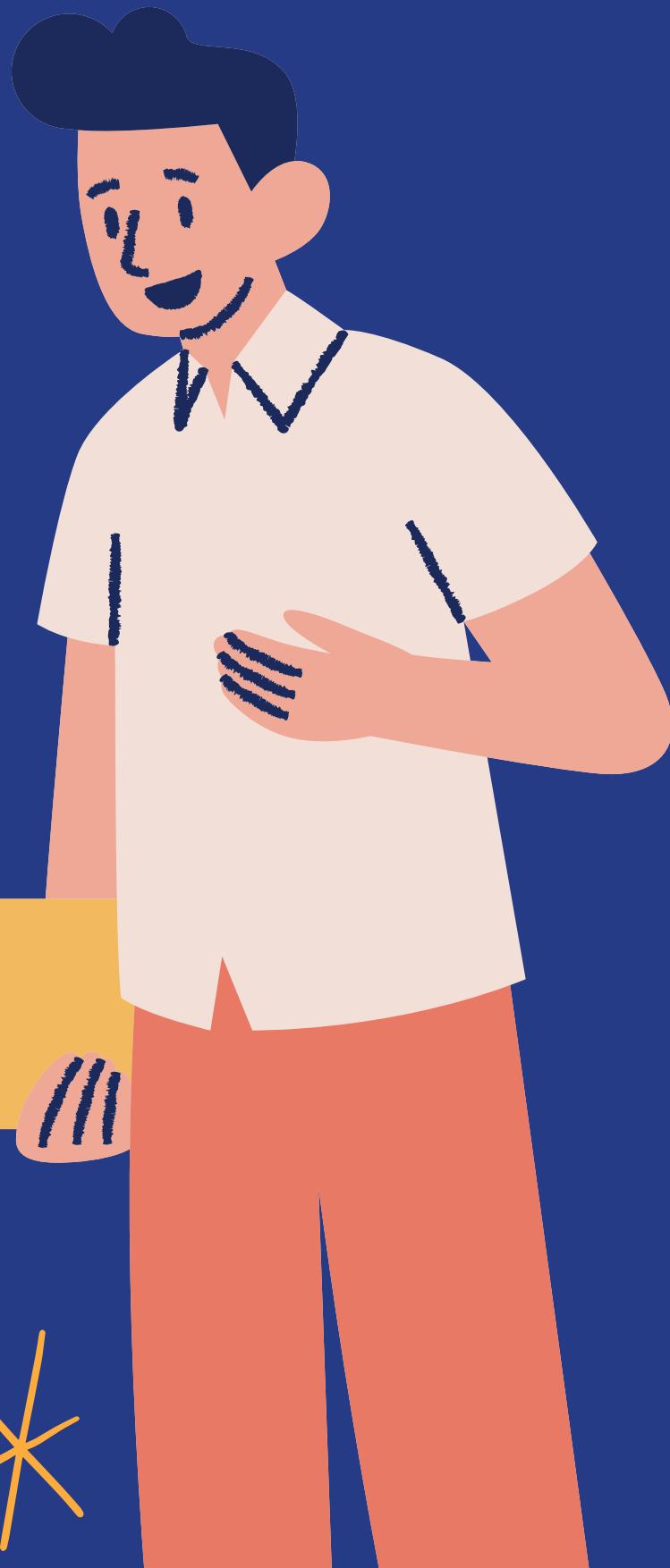
Specific Objectives:

- Automate the process of managing medical information
- Save time and effort for medical staff
- Enhance the efficiency of patient management and care

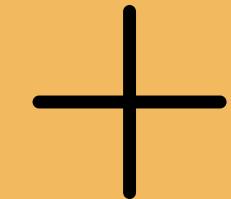
Scope of Application:

- Managing appointment schedules
- Managing patient information
- Managing doctor information

TECHNOLOGIES USED



- SQL Server



- JavaFX



LESSONS LEARNED

Challenges Encountered:

- Technical difficulties in integrating SQL Server with JavaFX
- Time management and team coordination

Solutions:

- Learning new knowledge
- Detailed planning
- Regular communication and progress checks

Lessons Learned:

- Project management
- Programming skills
- Teamwork

LOGIN PAGE & REGISTER



Medical Center
Staff Portal

User Name

Password

Show Password

Login

Select User ▾

Hospital Management System

Login Account
Doctor Portal

Doctor ID

Password

Show Password

Login

Select User ▾

Have no account yet? [Register here](#)

Hospital Management System

Register Account
Doctor Portal

Full Name

Email

Doctor ID

Password

Show Password

Sign Up

Already have an account? [Login here](#)



ADMIN DASHBOARD

Hospital Management System

Dashboard Form

05/24/2024 10:43:21 CH

Welcome, **Admin**

Logout

Active

Staff ID: 1

Username: Admin

Feature

- Dashboard
- Doctors
- Patients
- Appointments
- Bill
- Profile
- Profile Setting
- Services

11 Active Doctor

10 Total Patients

8 Active Patients

Doctor Information

Doctor ID	Name	Specialized	Status
DID-2	Dr. Jane Smith	Neurology	Active
DID-3	Dr. Emily White	Pediatrics	Active
DID-4	Dr. Michael Bro...	Orthopedics	Active
DID-5	Sarah Green	Dermatology	Active
DID-6	Dr. David Black	Gastroenterolo...	Active
DID-7	Dr. Laura Blue	Endocrinology	Active
DID-8	Dr. Robert Red	Oncology	Active
DID-9	Dr. Linda Yellow	Nephrology	Active
DID-10	Dr. William Pur...	Urology	Active
DID-11	hoang	Eye Exam	Active

Patient's Data

Doctor's Data

2015-02-11 2024-05-21

DOCTOR MANAGEMENT

Hospital Management System | Staff Portal

Hospital Management System Doctor's Form 05/24/2024 10:43:58 CH Welcome, Admin Logout Active

Doctors Add New Search: Enter doctor name to Search

Doctor ID	Name	Gender	Contact Number	Email Address	Specialization	Status	Action
DID-1	Dr. John Doe	Male	1234567890	john.doe@example.c...	Cardiology	Active	Edit Delete
DID-2	Dr. Jane Smith	Female	1234567891	jane.smith@example...	Neurology	Active	Edit Delete
DID-3	Dr. Emily White	Female	1234567892	emily.white@example...	Pediatrics	Active	Edit Delete
DID-4	Dr. Michael Brown	Male	1234567893	michael.brown@example...	Orthopedics	Active	Edit Delete
DID-5	Sarah Green	Female	1234567894	sarah.green@example...	Dermatology	Active	Edit Delete
DID-6	Dr. David Black	Male	1234567895	david.black@example...	Gastroenterology	Active	Edit Delete
DID-7	Dr. Laura Blue	Female	1234567896	laura.blue@example....	Endocrinology	Active	Edit Delete
DID-8	Dr. Robert Red	Male	1234567897	robert.red@example....	Oncology	Active	Edit Delete
DID-9	Dr. Linda Yellow	Female	1234567898	linda.yellow@example...	Nephrology	Active	Edit Delete
DID-10	Dr. William Purple	Male	1234567899	william.purple@example...	Urology	Active	Edit Delete
DID-11	hoang	Female	12312312	123123	Eye Exam	Active	Edit Delete

Staff ID: 1
Username: Admin

Feature

- Dashboard
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- Profile Setting
- Services

PATIENT MANAGEMENT



Hospital Management System

Patient's Form

05/24/2024 10:44:18 CH

Welcome, Admin

Logout

Active

Patients

Add New

Search: ho

Patient ID	Name	Gender	Contact Number	Description	Birth Day	Date Modify	Date Delete	Status	Action
1001	Alice Johnson	Female	123123123	Patient descripti...	02-05-2024	21-05-2024		Confirm	<button>...</button> <button>De...</button>
1002	Bob Smith	Male	456456456	Patient descripti...	02-05-2024	20-05-2024		Active	<button>...</button> <button>De...</button>
1003	Charlie Brown	Male	789789789	Patient descripti...	03-05-2024			Active	<button>...</button> <button>De...</button>
1004	Diana Prince	Female	321321321	Patient descripti...	03-05-2024			Active	<button>...</button> <button>De...</button>
1005	Eve Adams	Female	654654654	Patient descripti...	04-05-2024			Active	<button>...</button> <button>De...</button>
1006	Frank Miller	Male	987987987	Patient descripti...	04-05-2024			Active	<button>...</button> <button>De...</button>
1007	Grace Lee	Female	123456789	Patient descripti...	05-05-2024			Active	<button>...</button> <button>De...</button>
1008	Hank Williams	Male	987654321	Patient descripti...	05-05-2024			Active	<button>...</button> <button>De...</button>
1009	Ivy Green	Female	111111111	Patient descripti...	06-05-2024			Active	<button>...</button> <button>De...</button>
1010	hoang	Male	222222222	Patient descripti...	06-05-2024	22-05-2024		Inactive	<button>...</button> <button>De...</button>

Feature

Dashboard

Doctors

Patients

Appointments

Bill

Profile

Profile Setting

Services

A faint, tilted image of a clipboard with a patient registration form, located in the top right corner of the main interface area.

APPOINTMENT MANAGEMENT

Hospital Management System | Appointment's Form 05/24/2024 10:44:36 CH Welcome, Admin Logout Active

Appointments Add New

ID	PatientID	Name	Gender	Contact	Description	Date	Date Modify	Date Delete	Status	Total Pay	Pay Status	Quantity	Action
1	1001	John Doe	Male	1234567890	General ch...	2024-05-20			Scheduled	100	Paid	1
2	1002	Jane Smith	Female	2345678901	Headache	2024-05-21			Scheduled	200	Pending	2
3	1003	Bob Brown	Male	3456789012	Chest pain	2024-05-22			Completed	300	Paid	3
4	1004	Alice Wh...	Female	4567890123	Back pain	2024-05-23			Cancelled	150	Refunded	1
5	1005	Tom Gre...	Male	5678901234	Skin rash	2024-05-24			Scheduled	50	Paid	1
6	1006	Mary Blue	Female	6789012345	Fever	2024-05-25			Completed	75	Paid	1
7	1007	Steve Bla...	Male	7890123456	Joint pain	2024-05-26			Scheduled	250	Pending	2
8	1008	Nancy Red	Female	8901234567	Cough	2024-05-27			Completed	125	Paid	1
9	1009	Paul Pur...	Male	9012345678	Fatigue	2024-05-28			Cancelled	175	Refunded	1
10	1010	Daisy Yel...	Female	1234567890	Stomach a...	2024-05-29	2024-05-21	Scheduled	80	Paid	1	

BILL MANAGEMENT

Hospital Management System

Bill Form

05/24/2024 10:44:49 CH

Welcome, **Admin**

Logout

Active

Patients Bill

Patient ID	Patient Name	Services	Doctor	Total Pay	Status	Date
1	Alice Johnson	Cardiology Consultation	Dr. Smith	300	Paid	2024-05-02 10:00:00.0
2	Bob Smith	Pediatrics Checkup	Dr. Johnson	200	Paid	2024-05-03 09:30:00.0
202400005	Charlie Brown	Dermatology Consultati...	Dr. Williams	150	Paid	2024-05-04 11:00:00.0
4	David Wilson	Orthopedics Consultation	Dr. Jones	400	Paid	2024-05-05 14:00:00.0
5	Eva Davis	Gynecology Checkup	Dr. White	120	Paid	2024-05-06 08:30:00.0
6	Frank Miller	General Checkup	Dr. Green	220	Paid	2024-05-07 13:15:00.0
7	Grace Lee	Neurology Consultation	Dr. Taylor	330	Paid	2024-05-08 10:45:00.0
8	Hannah Martinez	Ophthalmology Checkup	Dr. Brown	180	Paid	2024-05-09 09:00:00.0
9	Ian Thompson	Cardiology Follow-up	Dr. Adams	250	Paid	2024-05-10 14:30:00.0
10	Jane Harris	Endocrinology Consulta...	Dr. Campbell	310	Paid	2024-05-11 12:00:00.0
202400013	Kevin Scott	Pulmonology Consultati...	Dr. Mitchell	190	Paid	2024-05-12 11:00:00.0
202400014	Laura Clark	Rheumatology Checkup	Dr. Parker	240	Pending	2024-05-13 10:30:00.0

THANK YOU

