



HOSPITAL MANAGEMENT SYSTEM

TEAM MEMBERS:

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TEAM CODESSES

PROBLEM STATEMENT

- . THIS PROJECT IS AIMED TO AUTOMATE THE HOSPITAL MANAGEMENT SYSTEM. THE PURPOSE OF THE PROJECT ENTITLED AS HOSPITAL MANAGEMENT SYSTEM IS TO COMPUTERIZE THE FRONT OFFICE MANAGEMENT OF HOSPITAL TO DEVELOP SOFTWARE WHICH IS USER FRIENDLY, SIMPLE, FAST, AND COST-EFFECTIVE.



TECHNICAL STACK

DESIGN STACK

Canva was used for the design stack for their ease of use and ability to create professional-looking designs



FRONT END

python library (Tkinter) has been used for the front end as it provides friendly layout and dynamic content for polished product.



BACK END

MySQL is used which is a software library that allowed us to store structured data in a database file which we could finally import to our python file



PHARMACY WINDOW

User-friendly
input option

User can enter the
information of
medicines



XYZ HOSPITAL PHARMACY

Medicine Information		MEDICINE ADD DEPARTMENT	
Reference No.	REF945	Precation Warning	Not emptystomach
Type of tablet	Tablet	Dosage	2 per day
Medicine Name	Paracetamol	Price	60
Lot No.	LN045	Product Quantity	300
Issue Date	21/10/2022	Company Name	DOLO
Exp.Date	21/10/2024		
Uses	Fever,Bodyache		
Side effect	Sleepy		

MEDICINE ADD **DELETE** **RESET** **SHOW MED DATA** **EXIT**

Reference No	Type of Medicine	Medicine Name	Lot No	Issue Date	Exp Date	Uses	Side Effect	Precaution	Dosage	Price	Product Quantity	Company Name
REF945	Tablet	Paracetamol	LN045	21/10/2022	21/10/2024	Fever,Bodyache	Sleepy	Not emptystoma:	2 per day	60	300	DOLO

to add medicine record,
delete, reset, show
medicine record

XYZ HOSPITAL PATIENTS RECORDS

Patient Information											
Name of Patient	Ajay										
Patient Id	PN035										
DOB	10/10/2000										
Diagnosis	Infection										
Name of the Tablets	Allegra										
Blood Pressure	110/80										
Medication	3 per day										
Patient Address	ABC street, Delhi										

Prescription											
Name of Patient:	Ajay										
Patient ID:	PN035										
Gender:	Male										
Blood Group:	110/80										
Diagnosis:	Infection										
Name of Tablet:	Allegra										
Medication:	3 per day										
Attending Doctor:	Dr. Ashish										
Patient Medical History:	NIL										
Patient Phone No:	9123456789										

Name of Patient	Patient Id	DOB	Diagnosis	Name of the Tablet	Blood Pressure	Medication	Patient Address	Gender	Attending Dr	Patient Contact infc	Patient Medical Hist
Ajay	PN035	10/10/2000	Infection	Allegra	110/80	3 per day	ABC street, Delhi	Male	Dr. Ashish	9123456789	NIL

Delete	Prescription	Save Prescription Data	Clear	Exit
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generates prescriptions on the basis of the data entered

interactive buttons to play with data

PATIENT RECORDS WINDOW

DOCTOR RECORD WINDOW

Table displaying records

Table is connected to mysql which stores the data



XYZ HOSPITAL DOCTORS RECORDS

Doctor Information		Doctor Record																			
Name of Doctor	Dr. Ashish	Name of Doctor:	Dr. Ashish	Doctor ID:	DOC037	Gender:	Male	Speciality:	Surgeon	Department:	Surgery	Qualifications:	MBBS,MD(surgeon)	Phone No:	986512349	Cabin No:	16	Available Hours:	9:00 to 6:00		
Doctor Id	DOC037	Gender	Male	Age	43	Contact No.	986512349	Address	AAB street, Noida	Cabin no.	16	Available Hours	9:00 to 6:00								
DOB	15/10/1980	Age	43	BloodGroup	A+	Email	ashish@gmail.com	Speciality	Surgeon	Department	Surgery	Qualification	MBBS,MD(surgeon)	Phone No:	986512349	Cabin No:	16	Available Hours:	9:00 to 6:00		
Email	ashish@gmail.com	Address	AAB street, Noida	Speciality	Surgeon	Department	Surgery	Qualification	MBBS,MD(surgeon)	Gender	Male	Age	43	Contact No.	986512349	Address	AAB street, Noida	Cabin no.	16	Available Hours	9:00 to 6:00
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Dr. Ashish	DOC037	15/10/1980	A+	ashish@gmail.co	Surgeon	Surgery	MBBS,MD(surgeo	Male	43	986512349	AAB street, Noida	16	9:00 to 6:00								

MySQL Table Data:

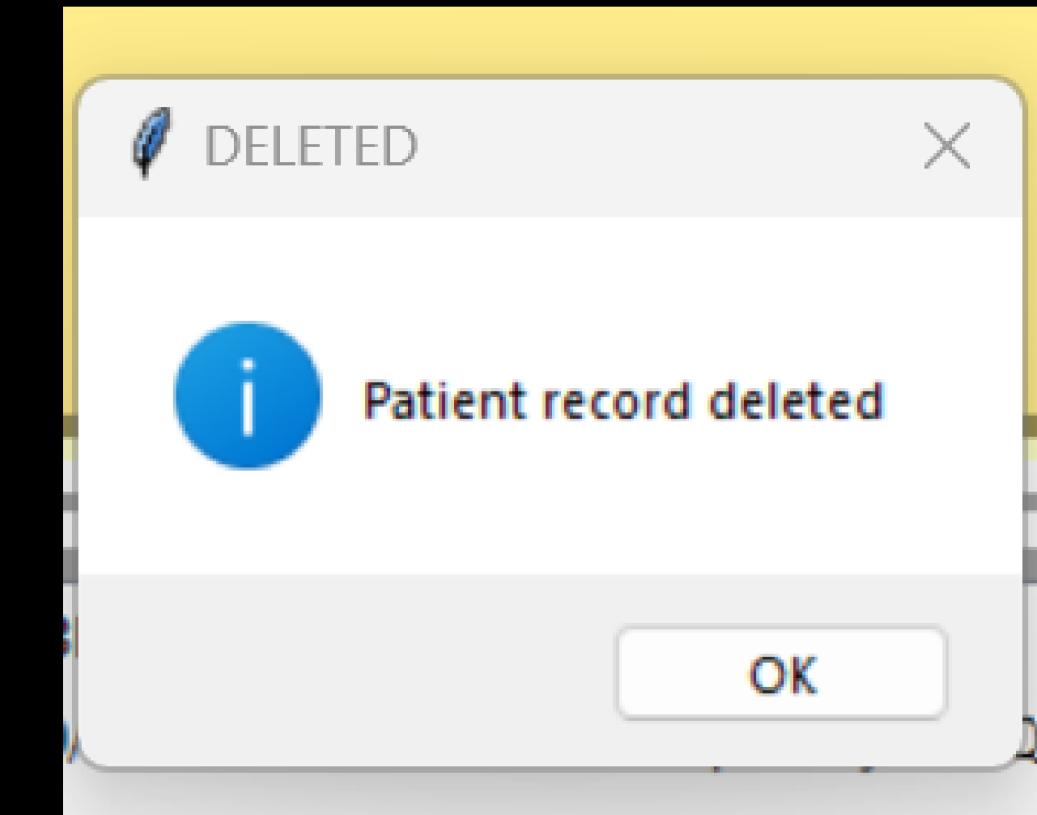
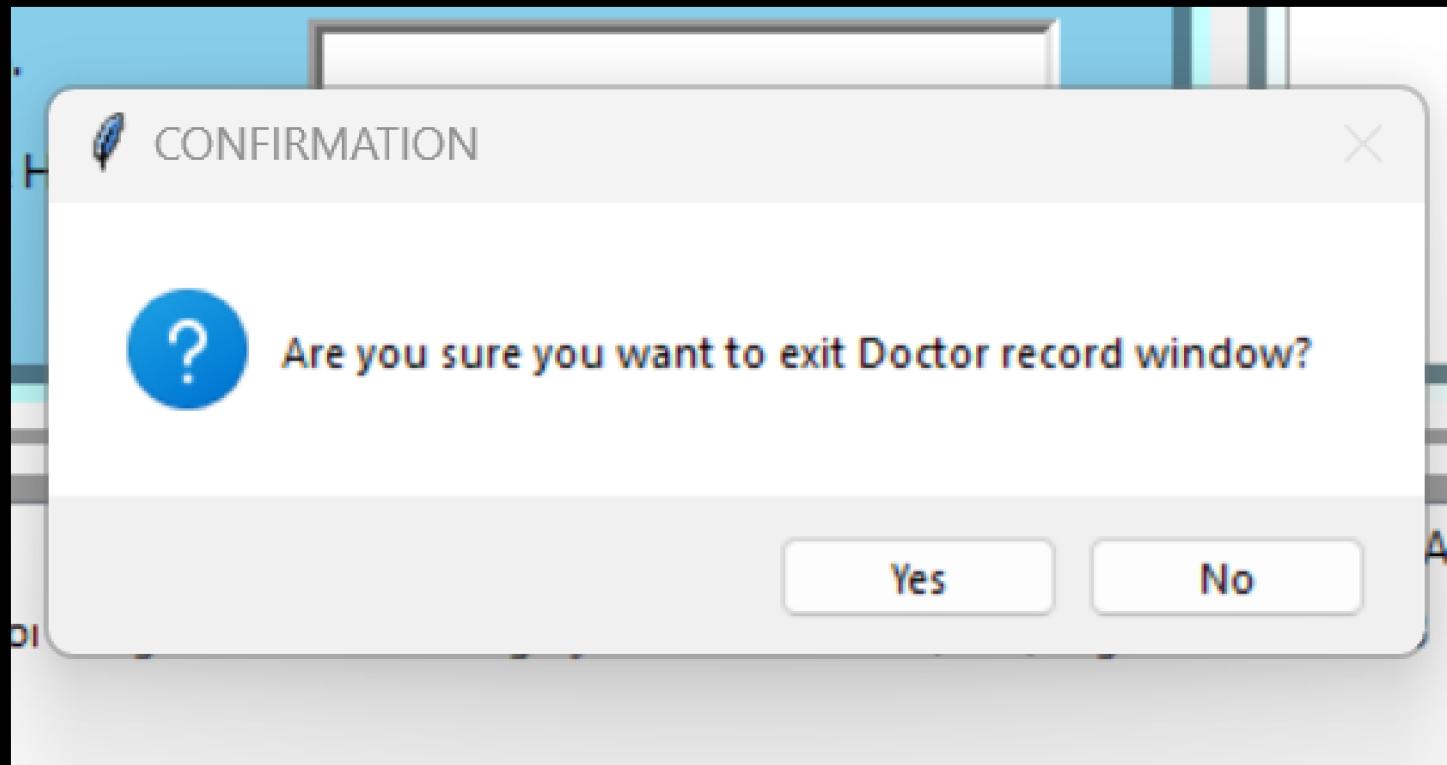
Name of Doctor	Doctor Id	DOB	BloodGroup	Email	Speciality	Department	Qualification	Gender	Age	Contact No.	Address	Cabin no.	Available Hours
Dr. Ashish	DOC037	15/10/1980	A+	ashish@gmail.co	Surgeon	Surgery	MBBS,MD(surgeo	Male	43	986512349	AAB street, Noida	16	9:00 to 6:00

Buttons:

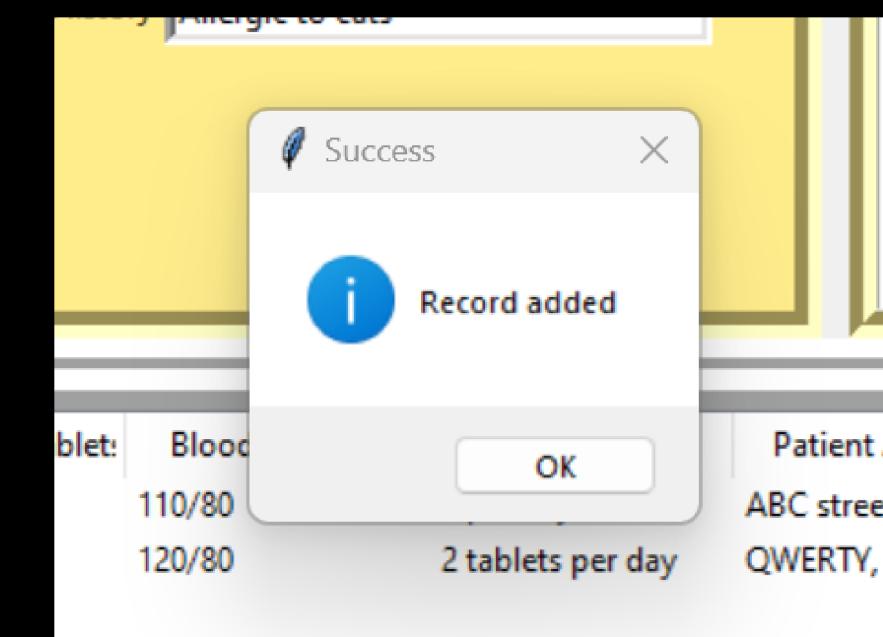
Delete **Doctor Record Display** **Save Doctor Data** **Clear** **Exit**

GLIMPSE OF OUR ART

MEDICINE ADD DEPARTMENT	
Name of medicine:	Paracetamol
Type of medicine:	Tablet
Issue Date:	21/10/2022
Exp Date:	21/10/2024
Uses:	Fever, Bodyache
Side Effects:	Sleepy
Precaution:	Not empty stomach
Dosage:	2 per day
Price:	60
Name of Company:	DOLO



Interactive
messageboxes, good
display



XYZ HOSPITAL

FUTURE SCOPE

- ✓ TABULATES THE DATA INPUT BY THE USER WHICH CAN BE ACCESSED EVEN LATER AFTER THE CODE IS CLOSED. HENCE CAN HOLD LARGE AMOUNT OF DATA.
- ✓ MULTIPLE WINDOWS HENCE MORE WINDOWS CAN BE ADDED ACCORDING TO THE REQUIREMENTS SINCE IT'S EASY TO UNDERSTAND.
- ✓ PRESCRIPTIONS GENERATED IN THE PATIENT RECORD WINDOW MAKES IT A PRESENTABLE AND INFORMATIVE DATA FOR THE DOCTOR

REVENUE MODEL

1. Subscription : The hospital management system will charge a subscription fee from hospitals for using their software. The fee can be charged monthly, quarterly, or annually.

2. Licensing model: We will charge a licensing fee for using our software. The fee can be charged for each hospital, or it can be based on the number of users.

THANK YOU

We thank IGDTUW Resources and REIGN'23 for providing us with this wonderful opportunity. We as a team got to work on developing and designing a website (through coding) for the first time. Through this process we learnt a lot of new skills. We had our differences but we worked as a team to resolve various problems and coming out of this hackathon we feel a great sense of accomplishment <3





Links for the project

https://github.com/ManglaPalak/REIGN23_TEAM_CODESES

https://youtu.be/LpU8NYlnW_4