

CLINIC DATABASE MANAGEMENT SYSTEM

PROJECT IMPLEMENTATION REPORT

IST 659 - GROUP 1

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PROJECT SUMMARY

Clinics are settings where medical professionals treat people for illnesses they are afflicted with. The clinic database management system is a tool that will assist doctors, physicians, and nurses working for a healthcare institution in keeping track of patients' medical information and allowing doctors to perform data analysis. This will facilitate efficient management and administrative operations to keep track of the information about the patients and the medications in the clinic. The database tracks the details of patients including scheduling an appointment, insurance coverage, previous medical history, lab-test details, diagnosis and medications as well as the clinic's staff details. This database will make it easier to maintain the clinic's everyday operations.

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The main objective of the project is to acquire knowledge of and put into practice a real-time database application for the efficient administration of clinic database management system. The project's main goal is to effectively manage clinic operations.

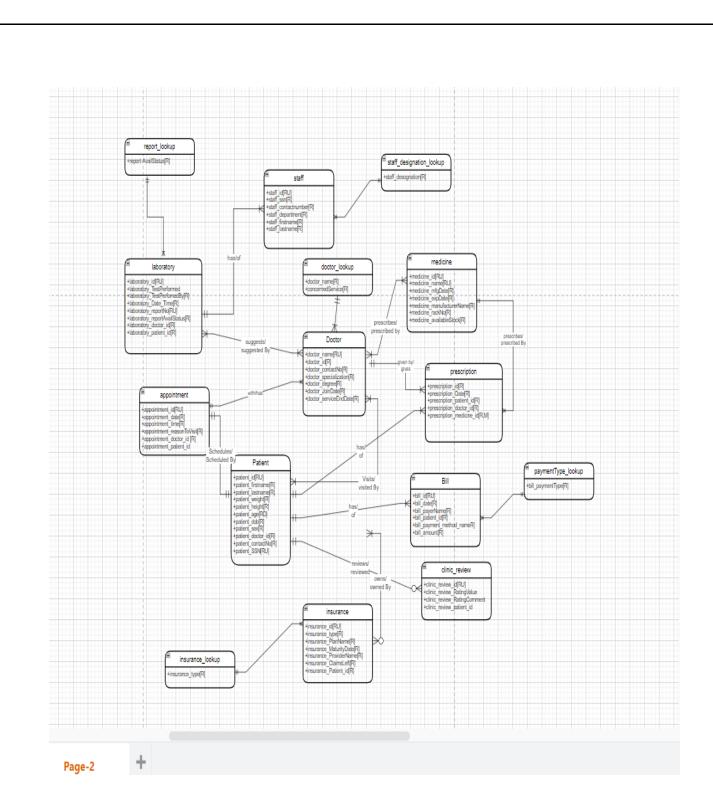
ER MODEL

Entity	Attribute		Descripion
		Pro ps	_
patient	patient_firstname	R	
	patient_lastname	R	
	patient_weight	R	
	patient_height	R	
	patient_age	RD	
	patient_dob	R	
	patient_id	R	PK
	patient_sex	R	
	patient_contactNo	R	
	patient_SSN	RU	Unique cosntraint
	patient_doctor_id	R	FK
doctor	doctor_name	R	
	doctor_id	R	PK
	doctor_contactNo	RU	
	doctor_specialist	R	
	doctor_degree	R	
	doctor_JoinDate	R	
	doctor_serviceEndDate	R	
appointment	appointment_date	R	
	appointment_time	R	
	appointment_reasonToVisit	R	
	appointment_id	RU	PK
	appointment_doctor_id	R	FK
	appointment_patient_id	R	FK
medicine	medicine_name	RU	
	medicine_mfgDate	R	
	medicine_expDate	R	
	medicine_manufacturerName	R	
	medicine_rackNo	R	DIZ
	medicine_id	R	PK
	medicine_availableStock	R	

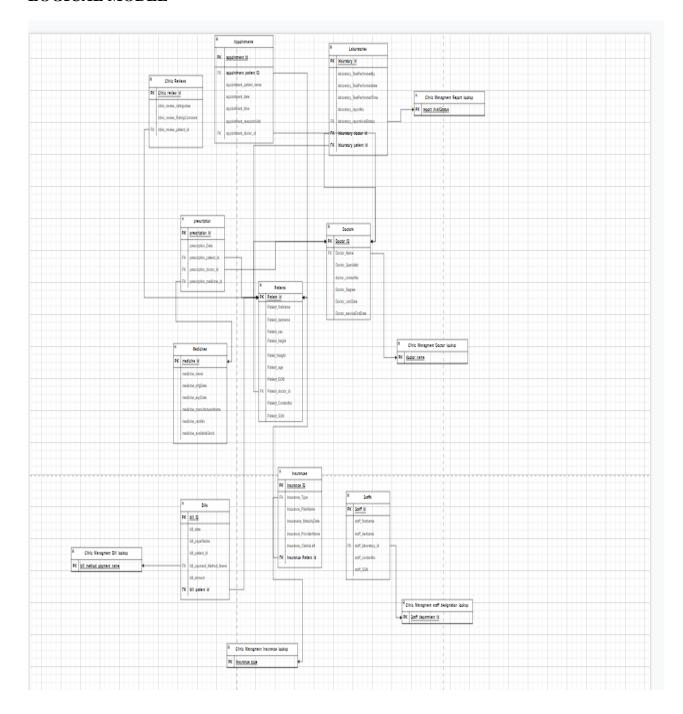
doctor_name	R	
	D.1.1	DV
	RU	PK
		TIZ
clinic_review_patient_id		FK
laboratory_id	RU	PK
·		FK
laboratory_date_Time	R	
laboratory_reportNo	RU	
laboratory reportAvailStatus	R	FK
laboratory_doctor_id	R	FK
laboratory_patient_id	R	FK
report_AvailStatus	R	
insurance_id	RU	PK
insurance_type	R	
insurance_PlanName	R	FK
insurance_MaturityDate		
insurance_ProviderName	_	
insurance_ClaimsLeft	R	
insurance_Patient_id	R	FK from patients
insurance type	R	
= 21		
prescription id	P	PK
•		1 13
		FK
		FK
prescription_medicine_id	R,M	FK
	laboratory_TestPerformed laboratory_TestPerformed laboratory_date_Time laboratory_reportNo laboratory_reportAvailStatus laboratory_doctor_id laboratory_patient_id report_AvailStatus insurance_id insurance_type insurance_PlanName insurance_MaturityDate insurance_ProviderName insurance_ProviderName insurance_Patient_id insurance_type prescription_bate prescription_bate prescription_doctor_id	clinic_review_id

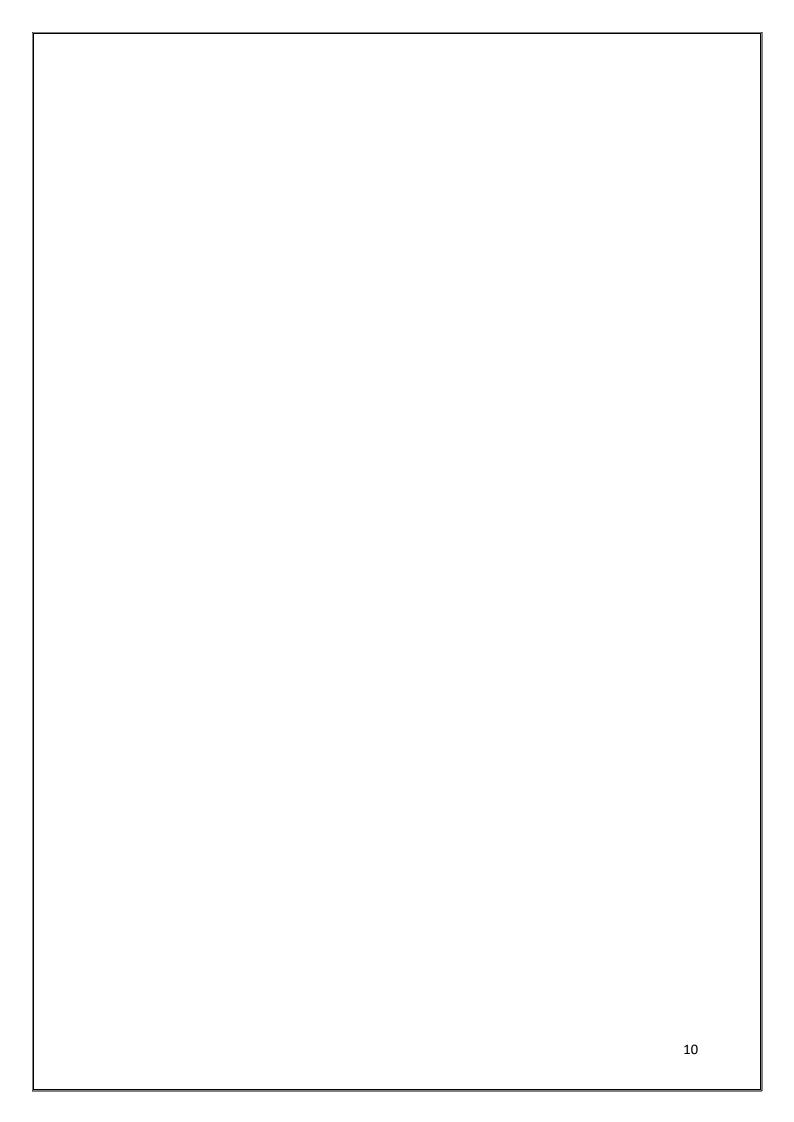
staff	staff_id	RU	PK
Stall	starr_iu	KU	rk
	staff_ssn	R	
	staff_contactnumber		
	staff_department	R	FK
	staff_lastname	R	
	staff_firstname	R	
bill	bill_id	RU	PK
	bill_date	R	
	bill_payerName	R	
	bill_patient_id	R	FK
	bill_payment_method_name	R	FK
	bill_amount	R	
paymentType_looku	bill_paymentType	R	PK
p			
staff_designation_loo	staff_designation	R	
kup			

CONCEPTUAL MODEL



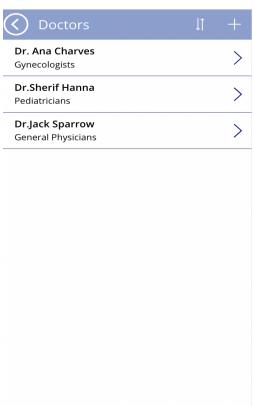
LOGICAL MODEL





BASIC LAYOUT OF POWER APPS





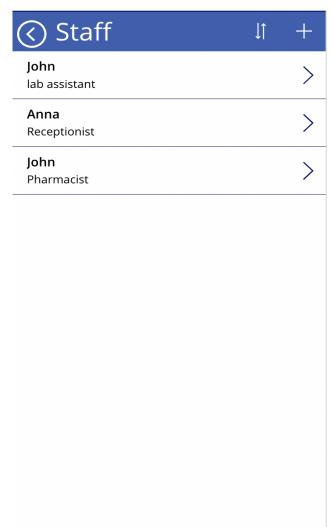


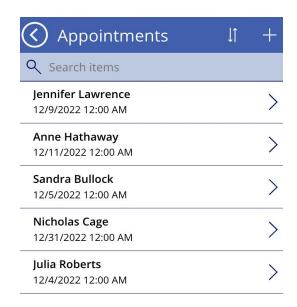




doctor_JoinDate

5/1/2022







\bigcirc	1 1	+
Robert 1		>
Peter 2		>
Chris 3		>
Nicholas 4		>
Hugh 5		>
Leonardo 6		>
Julia 7		>
Anne 8		>
Sandra 9		>
Jennifer 10		>



medicine_name AcnesolGel medicine_id 1 medicine_manufacturerName Johnson & Johnson medicine_mfgDate 12/2/2021 medicine_expDate 12/2/2024 medicine_availableStock 100 medicine_rackNo 1

