User_Details

+ ID: int
+ User_Name: varchar
+ Password: char
+ Role: varchar
+ Phone_Number: char
+ Email: char
+ Address: varchar
+ Photo: char
+ Status: bool

+ updatePassword(int, char): bool
+ updatePhoneNumber(int, char): bool
+ updateEmail(int, char): bool
+ updateAddress(int, char): bool
+ updatePhoto(int, char): bool
+ updateStatus(int, bool): bool

Patient

+ ID: int
+ Fname: varchar
+ Lname: varchar
+ DOB: date
+ Gender: char
+ Emergency_Number: char
+ Blood: char
+ Weight: float

+ searchDoctor(): int[]
+ bookAppointment(int): bool
+ viewAppointment(int): int[]
+ viewPrescriptions(int): int[]
+ viewTest(int): int[]
+ searchTest(char): int[]
+ searchMedicine(char): int[]
+ addAllergy(char, int): bool
+ viewAllergy(int): char[]
+ addVaccine(char, int): bool
+ viewVaccine(int): char[]
+ provideReviews(int): bool
+ printPatientCard(int); void

Doctor

+ ID: int
+ License_Number: int
+ Fname: varchar
+ Lname: varchar
+ Title: varchar
+ DOB: date
+ Gender: char
+ Experience_From: date
+ Language: varchar
+ Current_Position: varchar
+ P_Location: varchar

+ searchPatient(int): int
+ newPrescription(int): bool
+ viewPrescription(int): int[]
+ viewAppointment(int): int[]
+ addAwards(char, int): bool
+ viewAwards(int): char[]
+ addSpeciality(int, char): bool
+ viewSpeciality(int): char[]
+ addDegree(int, char): bool
+ viewDegree(int): char[]
+ addJournals(char, int): bool
+ viewJournals(int): char[]
+ viewConsultationHour(int): char[]
+ viewReview(int): int[]

Hospital

+ ID: int
+ LIcense_Number: int
+ Name: varchar

+ viewAppointment(int): int[]
+ addConsultationHour(int): bool
+ viewConsultationList(int): int[]

Diagnostic_Center

+ ID: int
+ LIcense_Number: int
+ Name: varchar

+ claimTest(int): bool
+ addNewTest(int, char): bool
+ uploadTestReport(int): bool
+ viewTestReport(int): int[]
+ addMissingTest(int): bool

Medicine

+ ID: int
+ Name: varchar
+ Strength: varchar
+ Group_Name: varchar
+ Brand_Name: varchar
+ Price: float

+ updatePrice(int): bool

Prescriptions

+ ID: int
+ Date: date
+ D_ID: int
+ P_ID: int
+ Problem: varchar
+ Suggestions: varchar

+ updateProblem(int, char): bool
+ updateSuggestions(int, char): bool

Prescribed_In

+ Pr_ID: int
+ M_ID: int
+ Morning: bool
+ M_After_Meal: bool
+ Noon: bool
+ N_After_Meal: bool
+ Night: bool
+ Nt_After_Meal: bool

+ updateMorning(int, bool): bool
+ updateNoon(int, bool): bool
+ updateNight(int, bool): bool

Test_Log

+ ID: int
+ T_ID: int
+ P_ID: int
+ Prescription_ID: int
+ DC_ID: int
+ Test_Date: date
+ Result_Date: date
+ Result: char
+ Comment: varchar

+ updateDCID(int): bool
+ updateResultDate(int): bool
+ uploadReport(int): bool
+ addComment(int, char): bool
+ updateComment(int, char): bool

Appointment

+ ID: int
+ P_ID: int
+ D_ID: int
+ H_ID: int
+ Date: date

+ updateDate(int, date): bool

Consultation

+ D_ID: int
+ H_ID: int
+ Day: char
+ Start_Time: timestamp
+ End_Time: timestamp
+ Room: int
+ Fees: float
+ MAX_Capacity: int

+ updateRoom(int, int, int): bool
+ updateFees(int, int, float): bool
+ updateCapacity(int, int, int): bool

Vaccine_Log

+ P_ID: int
+ Vaccine_Name: varchar
+ Doss_Number: int
+ Date: date
+ Status: bool

+updateVaccine(int, char): bool
+ updateDoss(int, int): bool
+ updateDate(int, date): bool
+ updateStatus(int, bool): bool

Test

+ ID: int
+ Name: varchar
+ Price: float
+ Status: bool

+ updateName(int, char): bool
+ updatePrice(int, float): bool
+ updateStatus(int, bool): bool

Speciality

+ D_ID: int
+ Field: varchar

+ updateField(int, char): bool

Doctor_Reviews

+ P_ID: int
+ D_ID: int
+ Date: date
+ Comment: varchar
+ Ratings: float
+ Status: bool

+ updateDate(int, int, date): bool
+ updateComment(int, int, char): bool
+ updateRatings(int, int, float): bool
+ updateStatus(int, int, bool): bool

Allergies_Log

+ P_ID: int
+ Allergies: varchar

+ updateAllergies(int, char): bool

Awards_Honors

+ D_ID: int
+ Award_Name: varchar
+ Awarding_Organization:: varchar
+ Year_Received: year
+ Description: varchar

+ updateName(int, char): bool
+ updateOrganization(int, char): bool
+ updateYear(int, int): bool
+ updateDescription(int, char): bool

Degrees

+ D_ID: int
+ Degree: varchar
+ Field: varchar
+ Institution: varchar
+ Year: year

+ updateDegree(int, char): bool
+ updateField(int, char): bool
+ updateInstitution(int, char): bool
+ updateYear(int, int): bool

Publications

+ D_ID: int
+ Title: varchar
+ Year: year
+ Link: varchar

+ updateTitle(int, char): bool
+ updateYear(int, int): bool
+ updateLink(int, char): bool

Total 19 Class Information Diagram

Group Work