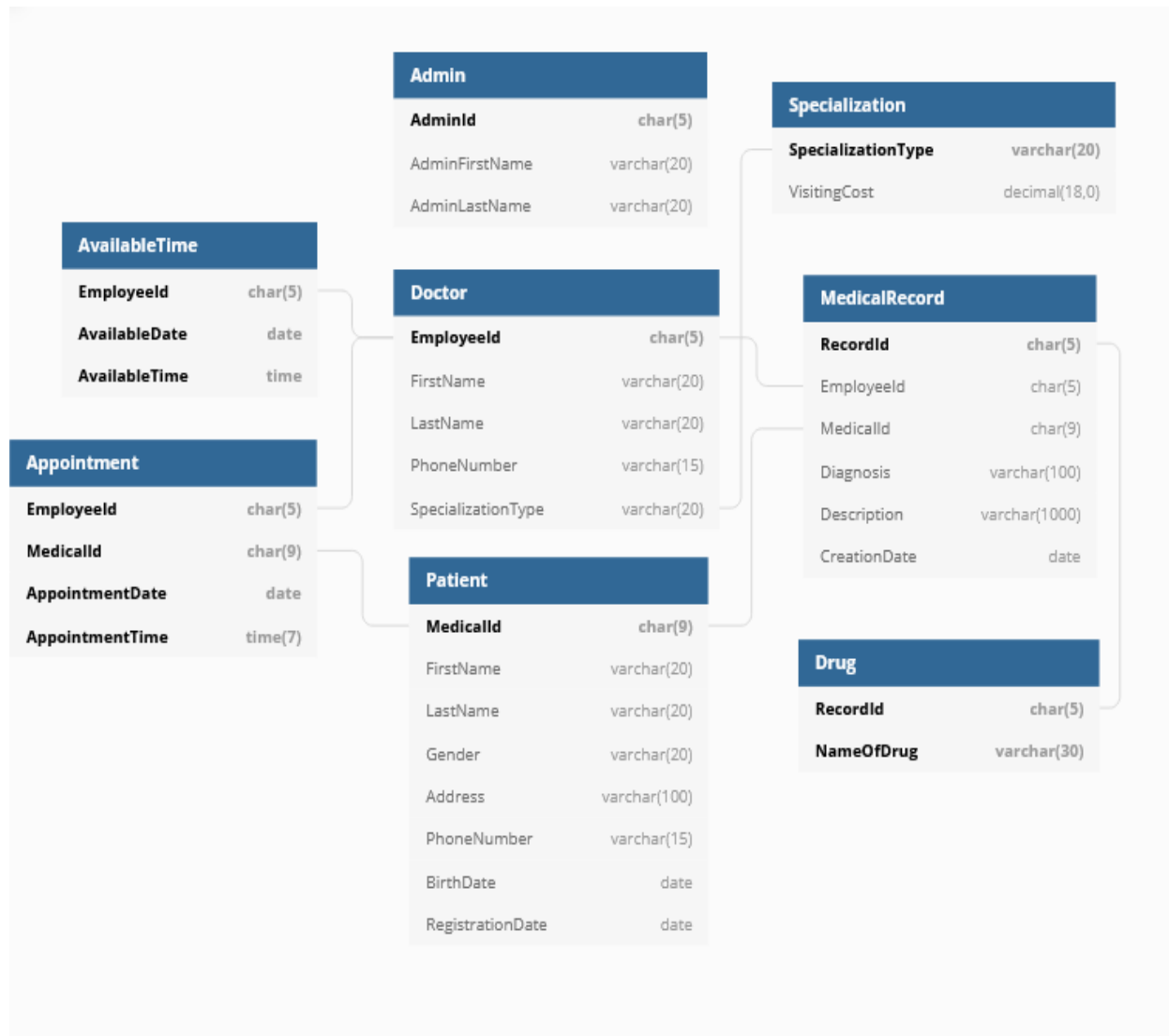


820807-2911
Christopher O'Driscoll
Project group 12
DA297a



Tables	Triggers	Indexes	Constraints
Admin		PK - Clustered	AdminId, (5) not null
			AdminFirstName, (20) not null AdminLastName, (20) not null
Appointment		PK - Clustered	EmployeeId, (5) not null MedicalId, (9) not null AppointmentDate, not null AppointmentTime, not null
AvailableTime		PK - Clustered	EmployeeId, (5) not null AvailableDate, not null AvailableTime, not null
			Booked, null
Doctor	trg_archive_medical_records (changes employeeId on relevant medical records to 10000 if doctor removed from database)	PK - Clustered	EmployeeId, (5) not null FirstName, (20) not null
		Non-clustered, ASC	LastName, (20) not null
		Non-clustered, ASC	SpecializationType, (20) not null
			PhoneNumber, (15) not null
Drug		PK - Clustered	RecordId, (5) not null
		Non-clustered, ASC	NameOfDrug, (30) not null
MedicalRecord		PK - Clustered	RecordId, (5) not null
		Non-clustered, ASC	EmployeeId, (5) not null
		Non-clustered, ASC	MedicalId, (9) not null
			Diagnosis, (100) not null Description, (100) not null CreationDate, not null
Patient		PK - Clustered	MedicalId, (9) not null FirstName, (20) not null
		Non-clustered, ASC	LastName, (20) not null
			Gender, (20) not null Address, (100) not null PhoneNumber, (15) not null
		Non-clustered, ASC	BirthDate, not null
			RegistrationDate, not null
Specialization		PK - Clustered	SpecializationType, (20) not null
			VisitingCost, (18,0) not null

Procedures	Description	Procedures	Description
add_available_times	Creates a batch of available appointment times for a new doctor	show_patient_medical_info	Shows the medical records for a given patient
admin_sign_in	checks for existence of admin ID	update_doctor_info	Updates a doctor with given information
book_appointment	Creates an appointment	update_patient_info	Updates a patient with given information
define_available_times	Change availability of a doctors "available times"		
doctor_sign_in	checks for existence of employee ID	Views	Description
fullname(function)	Combines first and last names	doctor_and_specialization	simplified list of doctors and their specialty
get_medical_ID	gets the medical ID for a given patient	view_patients_and_total_costs	A list of each patient with their calculated total visiting costs
insert_doctor	Adds a new doctor for given parameters, calls add_available_times if successful, returns the new employeeID	view_upcoming_appointments	future booked appointments
insert_drug	Associates a drug with a medical record		
insert_medical_record	Adds a new medical record		
insert_specialization	Adds a new specialization		
patient_sign_in	Checks for existence of medical ID		
register_patient	Adds new specialization and it's cost		
remove_available_time	Deletes an available time		
remove_doctor	Deletes a doctor and their available times, fails if any appointments outstanding		
search_for_doctor_and_specialization	Returns a list of doctors with the given specialization		
select_doctor	Returns info about a given doctor		
show_available_times_for_doctor	Returns a list of available times for the next week for a given doctor		
show_doctor_and_specialization	Returns a list of all doctors, their specialization and cost		
show_doctors_patients	Returns all patients who have an upcoming appointment with the given doctor		
show_patient_and_total_cost_list	Shows a list of patients and their total visit costs (past and future)		
show_patient_info	Shows upcoming booked appointments for a given patient		
show_patient_list	Shows a list of all registered patients		