



DATABASE DESIGN

Group 3E – Doctors Program

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DATABASE DESIGN

VERSION 4

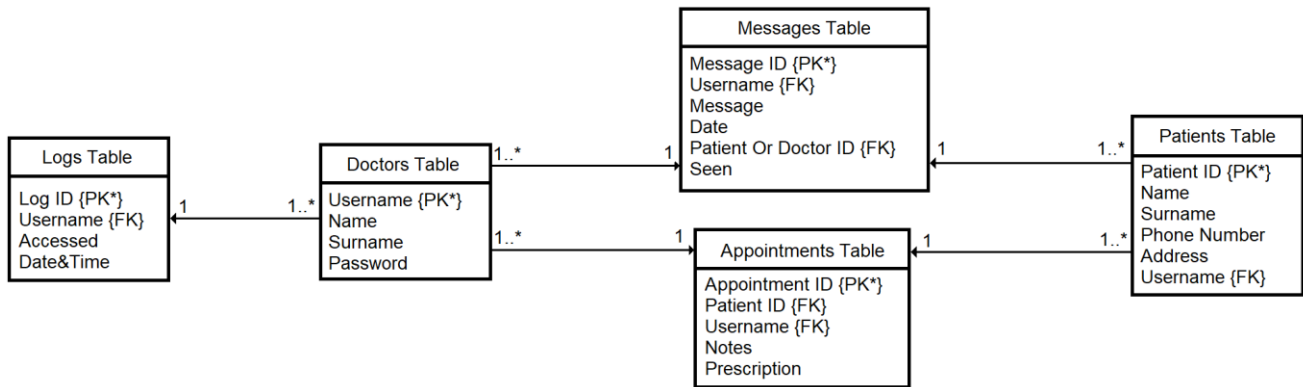
Logs Table:

logID PK*	Username FK*	Accessed	Date & Time
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JUSTIFICATION OF DESIGN CHOICES:

This is the fourth change to the original database, with this comes a new table for an important feature for the security of the program. The primary key is the logID so that each record has a unique identifier to be pulled by the database admins. The Username is a foreign key linking to whoever is currently logged in (in this case a doctor). Accessed is another field that inputs what part of the program was accessed e.g., editing a record, or accessing the list of his patients. The final column is Date & Time so that a specific time frame can be accounted for if something were to happen. For example, if a prescription was changed but the doctor was not around to make the change. There must be some kind of time frame so that it is known who could have made the change and if there is a security concern.

FINAL DATABASE



Logs Table	
Log ID	Primary Key , Short Text, Not Null
Username	Foreign Key , Short Text, Not Null
Accessed	Short Text, Not Null
Date & Time	Date, Not Null

Appointments Table	
Appointment ID	Auto Number , Not Null
Patient ID	Foreign Key , Short Text, Not Null
Username	Foreign Key , Short Text, Not Null
Notes	Long Text, Not Null
Prescription	Long Text
Seen	Short Text

Patients Table	
Patient ID	Primary Key , Short Text, Not Null
Name	Short Text, Not Null
Surname	Short Text, Not Null
Phone Number	Large Number, Not Null
Address	Short Text, Not Null
Username	Foreign Key , Short Text, Not Null

Doctors Table	
Username	Primary Key , Short Text, Not Null
Name	Short Text, Not Null
Surname	Short Text, Not Null
Password	Short Text, Not Null

Messages Table	
Message ID	Auto Number , Not Null
Username	Foreign Key , Short Text, Not Null
Message	Long Text, Not Null
Date	Date, Not Null
Patient Or Doctor	Foreign Key , Short Text, Not Null
Seen	Short Text