# Table Entities and Types suggested

V1.1

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What I have tried to do initially is define the tables, fields and types

# Patient

PatientID - INT

FirstName - STRING

LastName- STRING

DoB - DATE

Address1- STRING

Address2- STRING

Email- STRING

Mobile - - STRING

NextOfKin- STRING

Password- STRING

# Doctor

DoctorID- INT

AccessLevel - INT

FirstName - STRING

LastName - STRING

DoB - DATE

Qualifications - STRING

AuthorityToPrescribe - STRING

Address1 - STRING

Address2 - STRING

Email - STRING

Mobile - STRING

NextOfKin - STRING

Password - STRING

# Users

UserID - INT

AccessLevel - INT

FirstName - STRING

LastName- STRING

DoB - DATE

Address1- STRING

Address2- STRING

Email- STRING

Mobile - - STRING

NextOfKin- STRING

Password- STRING

GrantedDate - DATE

GrantedUntilDate - DATE

GrantedBy - STRING

# Perscriptions

PrescriptionID - INT

StockID - INT

Quantity - INT

Cost - DECIMAL

OrderDate - DATE

DoctorID - INT

PatientID - INT

Approval - BOOL

ProcessedOn - DATE

ProcessedBy - STRING

DispatchedOn - DATE

DispatchedUsing - STRING

# StockItems

StockID - INT

SockCode – STRING

StockName – STRING

StockDes – STRING

StockCost -DECIMAL

StockVAT - DECIMAL

StockQuantity INT

StockSupplier – STRING

StockMaker – STRING

StockRestricted -BOOL

# Transaction History(Payments/Checkout)

TransID - INT

PrescriptionID - INT

PatientID - INT

ApprovalID - INT

TransDate -DATE

TransMethod – STRING

# Calendar

(I think the GEM will create everything automatically, look at simple\_calendar, trix and stripe). Check out this guy, I think it covers a lot of what we need by video 3

<https://www.youtube.com/watch?v=l9zDmY9VrCw>

# USE CASES

In terms of Use Cases, I think maybe looking at it from each actor might be best, I have a large list of possible functionality required (use cases/methods) , lets discuss and pick the main ones ( if time left then do more..)

### Patient

Register

Login

Logout

Change Password

Change Personal Details

View Calendar

Book a consultation

Edit a Consultation

Delete a Consultation

View your Consultations

Check Prescriptions

Interact with a Doctor or Admin

Make a Payment

View Payment History

FAQ, About, Contact and general help pages etc.

### Doctor

Change Personal details

Login

Logout

Change Password

View Calendar

Edit a Patients Consultation Calendar entry

Delete a Patients Consultation Calendar entry

Create Notes on a Patients Consultation

View Patients

View Notes

Edit Notes

Check Stock

Create Prescriptions

Check Prescriptions

Interact with a Patient or Admin

FAQ, About, Contact and general help pages etc.

### User/Admin

(Default SuperUser can Create/Edit/Update/Delete/Set AccessLevel for all Users)

Login

Logout

Change Password

Change Personal Details

View Calendar

Book a consultation on behalf of a Doctor/Patient

Edit any Consultation

Delete any Consultation

Check all Prescriptions

Check all Transactions

Check Stock

Add Stock

Edit Stock

Delete Stock

Monitor Interact with a Doctor or Admin