GenieCanHelp

An App for Cancer Patients and Carers

Database Design

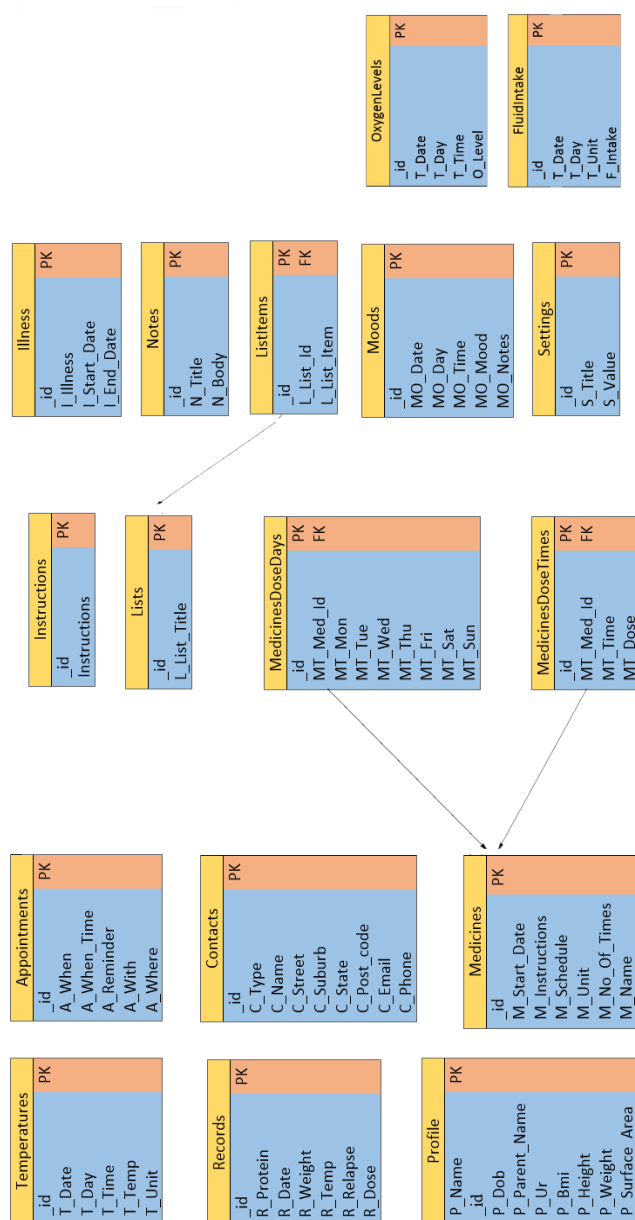| Version	Description of change	Author	Date
1.0	Database design for first release	Iyad Khurram	24/11/2017

Introduction

This document contains detail database model design for GenieCanHelp App.

Physical Model

ER diagram and detail of all the tables and columns of database is given in this section. This database model will be implemented in SQLite.

ER Diagram

Entity Details

Temperatures

Temperatures	
_id	integer primary key autoincrement
T_Date	text not null
T_Day	text not null
T_Time	text not null
T_Temp	text not null
T_Unit	numeric

Valid Values

T_Date: dd-MM-yyyy

T_Time: HH:mm

T_Temp: 3-digit numeric value

T_Unit: 0 for Celsius and 1 for Fahrenheit

T_Day: Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday.

Records

Not being used, but should be created.

Records	
R_Protein	text not null
_id	integer primary key autoincrement
R_Date	text not null
R_Weight	text not null
R_Temp	text not null
R_Relapse	numeric
R_Dose	text not null

Profile

Profile	
P_Name	text not null
_id	integer primary key autoincrement
P_Dob	text not null
P_Parent_Name	text not null
P_Ur	text not null
P_Bmi	text not null
P_Height	text not null
P_Weight	text not null
P_Surface_Area	text not null

Valid Values

P_Dob: dd-MM-yyyy

Appointments

Appointments	
A_With	text not null
A_When	text not null
A_When_Time	text not null
A_Reminder	text not null
_id	integer primary key autoincrement
A_Where	text not null

Valid Values

A_When: dd-MM-yyyy

A_When_Time: HH:mm

A_Reminder: always 0

Contacts

Contacts	
C_Name	text not null
C_Type	text not null
_id	integer primary key autoincrement
C_Street	text not null
C_Suburb	text not null
C_State	text not null
C_Post_code	text not null
C_Email	text not null
C_Phone	text not null

Valid Values

C_Type: "Profile" or "None". This value will be "Profile" if contact is being saved from patient's profile. Otherwise it will be "None"

Medicines

Medicines	
M_Name	text not null
M_Start_Date	text not null
M_Instructions	text not null
M_Schedule	text not null
M_Unit	text not null
M_No_Of_Times	numeric
_id	integer primary key autoincrement

Valid Values

M_Start_Date: dd-MM-yyyy

M_Schedule: always "Daily"

MedicinesDoseTimes

MedicinesDoseTimes	
MT_Time	text not null
MT_Med_Id	Integer *(Linked to Medicines table)*
_id	integer primary key autoincrement
MT_Dose	text not null

Valid Values

MT_Time: HH:mm

MedicinesDoseDays

MedicinesDoseDays	
_id	integer primary key autoincrement
MT_Med_Id	Integer *(Linked to Medicines table)*
MT_Mon	integer
MT_Tue	integer
MT_Wed	integer
MT_Thu	integer
MT_Fri	integer
MT_Sat	integer
MT_Sun	integer

Valid Values

MT_Mon, MT_Tue, MT_Wed, MT_Thu, MT_Fri, MT_Sat, MT_Sun: 0 or 1, depending upon medicine needs to be taken on that day or not.

Notes

Notes	
_id	integer primary key autoincrement
N_Title	text not null
N_Body	text not null

Instructions

Instructions	
_id	integer primary key autoincrement
Instructions	text not null

Illness

Not used but needs to be created.

Illness	
_id	integer primary key autoincrement
I_Illness	text not null
I_Start_Date	text not null
I_End_Date	text not null

Moods

Moods	
_id	integer primary key autoincrement
MO_Date	text not null
MO_Day	text not null
MO_Time	text not null
MO_Mood	text not null
MO_Notes	text not null

Valid Values

MO_Date: dd-MM-yyyy

MO_Time: HH:mm

MO_Mood: "smile", "frown", "neutral"

MO_Day: Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday.

Lists

Lists	
_id	integer primary key autoincrement
L_List_Title	text not null

ListItems

ListItems	
_id	integer primary key autoincrement
L_List_Item	text not null
L_List_Id	Integer *(linked to Lists table)*

Settings

Settings	
_id	integer primary key autoincrement
S_Title	text not null
S_Value	text not null

Valid Values

S_Title: "Appointments_Reminders", "Medicines_Reminders"

S_Value: "ON", "OFF"

Fluid Intake

FluidIntake	
_id	integer primary key autoincrement
T_Date	text not null
T_Day	text not null
T_Unit	Numeric
F_Intake	numeric

Valid Values

T_Date: dd-MM-yyyy

T_Day: Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday

T_Unit: oz, ml, cup

Oxygen levels

OxygenLevels	
_id	integer primary key autoincrement
T_Date	text not null
T_Day	text not null
T_Time	text not null
O_Level	numeric

Valid Values

T_Date: dd-MM-yyyy

T_Time: HH:mm

T_Day: Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday.