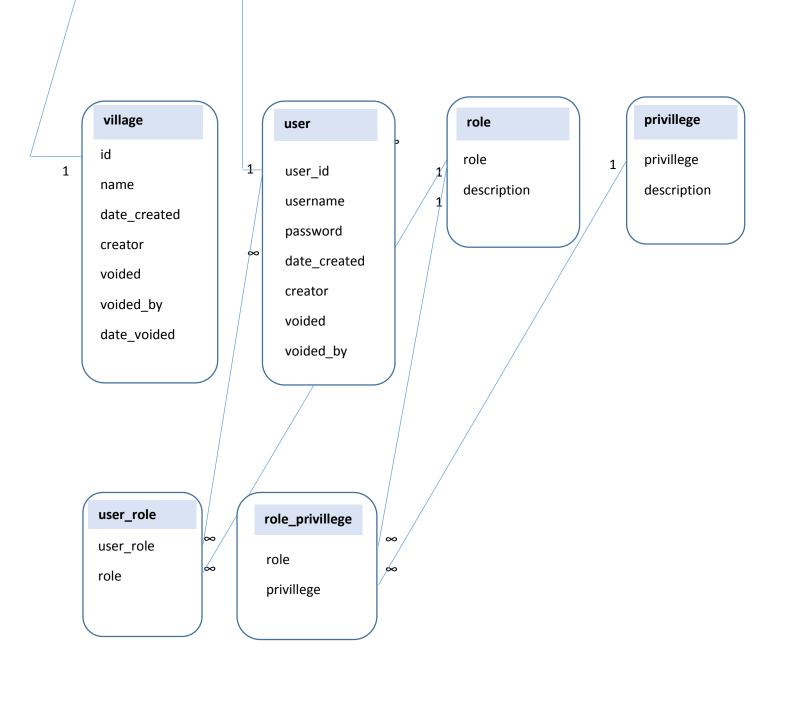
# **Health center Data Model**

#### contact relationship patient person 1 1 1 id patient\_id id rel\_type\_id 1 cellphone identifier first\_name creator email date\_created last\_name person alt\_cellphone creator gender voided person\_id voided birthdate date\_created voided date\_voided date\_voided county\_id $\infty$ voided\_by subcounty\_id voided\_by ∞ ward\_id village\_id date\_created creator voided voided\_by date\_voided relationship\_type Id county ward Sub\_county a\_to\_b id 1 1 id id b\_to\_a name name name creator date\_created $date\_created$ date\_created date\_created creator creator creator voided voided voided voided date\_voided voided\_by voided\_by voided\_by voided\_by date\_voided date\_voided date\_voided



## Queries

#### 1. List of next of kin for a patient

where r.person=:patientId;

SELECT p.first\_name, p.last\_name from relationship r
INNER JOIN person p ON p.id=r.person
WHERE p.id=:patientId

# 2. List of deleted patients showing date of action

SELECT p.first\_name, p.last\_name, pa.date\_voided FROM person p
INNER JOIN patient pa ON p.id=pa.patient\_id
where pa.voided =1;

#### 3. Patients who are below 15 years old

SELECT first\_name, last\_name, age

FROM (SELECT first\_name, last\_name, FLOOR(DATEDIFF(CURDATE(),birthdate)/365) age FROM person

INNER JOIN patient ON patient\_id=person.id) t

WHERE t.age < 15;

#### **Documentation**

#### **Data dictionary**

The root directory contains a mysqldump file called healthcenter. Use the commands below to import the database

- Create database healthcenter
- Use health center
- source healthcenter.sql

#### How to run the application

- Install java version 1.7
- Install mysql version 5.6
- Install tomcat 7 which will act as our servlet container
- Copy patient-management.war file into your tomcat webapp directory eg /opt/tomcat/webapp
- Type the following address into your browser localhost:8080/patient-management/index.htm

### Minimum requirements

Computer RAM 4GB

- 2.30GHZ dual core processor computer
- Minimum windows seven/ Ubuntu 14 operating system

# **Dependencies**

All the dependencies of this project are packaged in webapp/patient-management/WEB-INF/lib directory. There are no additional libraries required.