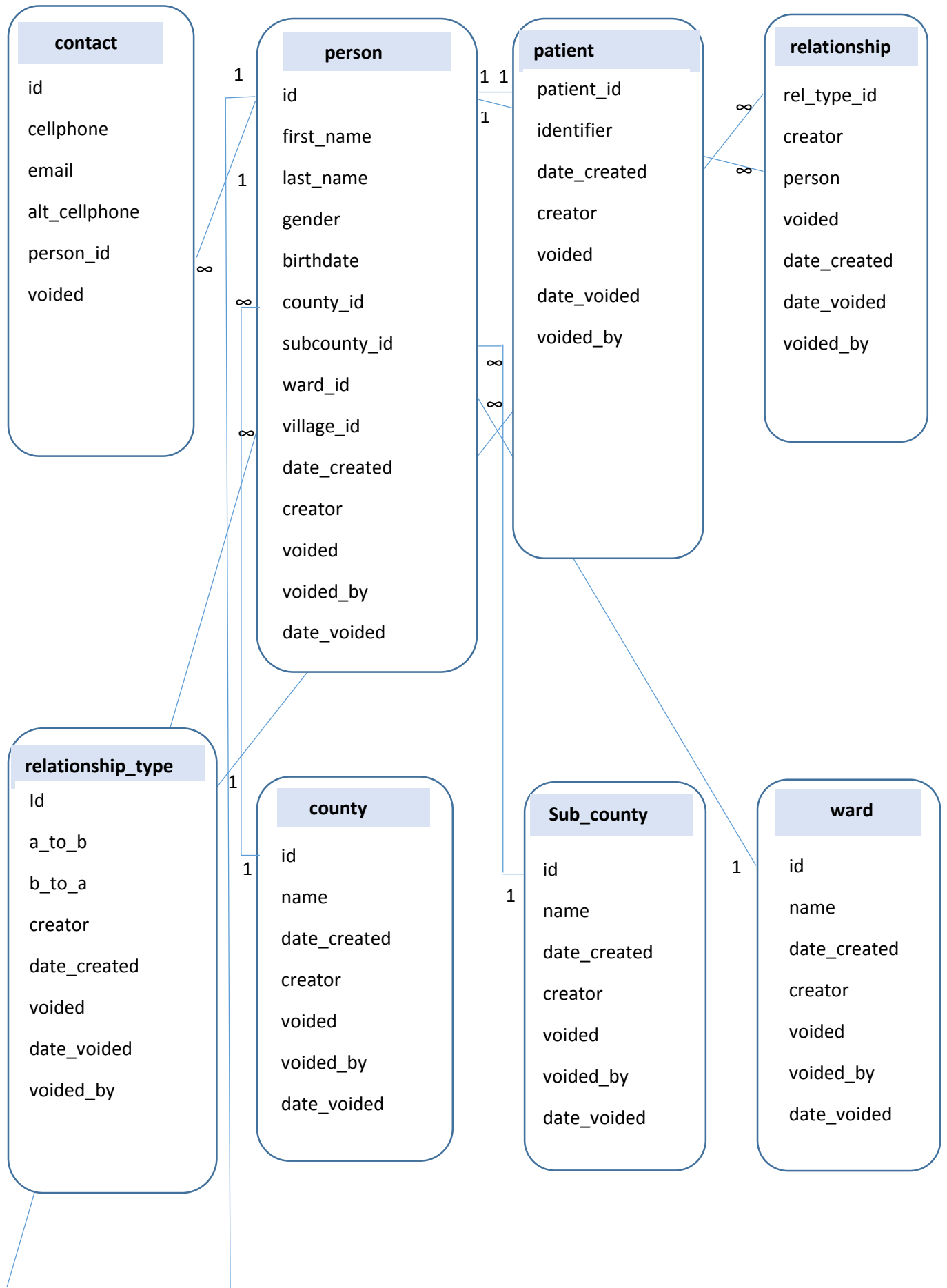
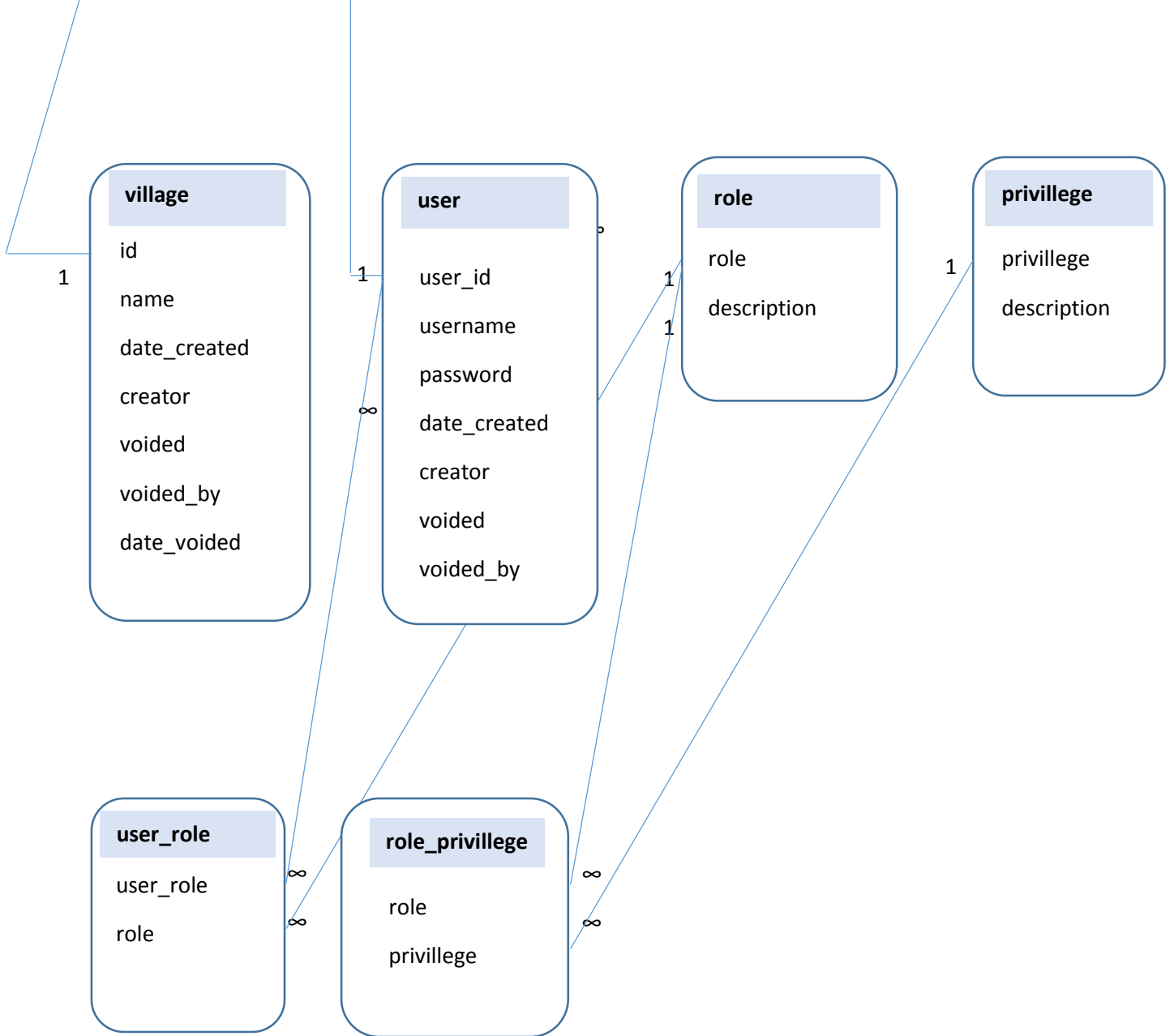


Health center Data Model





Queries

1. List of next of kin for a patient

```
SELECT p.first_name, p.last_name from relationship r
INNER JOIN person p ON p.id=r.person
WHERE p.id=:patientId
where r.person=: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.

