```sql
CREATE TABLE Diseases (DiseaseName VARCHAR(30),DiseaseDescription VARCHAR(50),
PRIMARY KEY(DiseaseName));

CREATE TABLE People (ssn VARCHAR(25), firstName VARCHAR(25), lastName
VARCHAR(25), address VARCHAR(50), password VARCHAR(15), PRIMARY KEY(ssn));

CREATE TABLE Patient (PatientSSN VARCHAR(25),dob DATE,gender VARCHAR(10),
PRIMARY KEY(PatientSSN), FOREIGN KEY(PatientSSN) references People(ssn));

CREATE TABLE HealthSupporter (ssn VARCHAR(25),contactNumber Integer, PRIMARY
KEY(ssn), FOREIGN KEY(ssn) references People);

CREATE TABLE SickPatient (PatientSSN VARCHAR(25), PRIMARY KEY(PatientSSN),
FOREIGN KEY(PatientSSN) references Patient);

CREATE TABLE WellPatient (PatientSSN VARCHAR(25), PRIMARY KEY(PatientSSN),
FOREIGN KEY(PatientSSN) references Patient);

CREATE TABLE PatientToHealthSupporter (authorizationDate Date, primarySecondary
VARCHAR(10), HsSSN VARCHAR(25), PatientSSN VARCHAR(25), PRIMARY
KEY(PatientSSN, HsSSN), FOREIGN KEY(PatientSSN) references Patient, FOREIGN
KEY(HsSSN) references HealthSupporter(ssn));

CREATE TABLE Frequency (frequencyName VARCHAR(10), duration INTEGER,  PRIMARY
KEY(frequencyName));

CREATE TABLE WellPatientHasMinorDisease ( PatientSSN VARCHAR(25), DiseaseName
varchar(30), PRIMARY KEY(PatientSSN, DiseaseName), FOREIGN KEY(PatientSSN)
references WellPatient, FOREIGN KEY(DiseaseName) references Diseases);

CREATE TABLE SickHasMajorDisease (PatientSSN VARCHAR(25), DiseaseName
varchar(30), PRIMARY KEY(PatientSSN, DiseaseName), FOREIGN KEY(PatientSSN)
references SickPatient, FOREIGN KEY(DiseaseName) references Diseases);
```

```sql
CREATE TABLE ObservationSpec (observationSpecName VARCHAR(50),description
VARCHAR(50), PRIMARY KEY(observationSpecName));

CREATE TABLE MetricInObsSpec ( MetricName VARCHAR(50), ObservationSpecName
VARCHAR(50), PRIMARY KEY(MetricName, ObservationSpecName), FOREIGN
KEY(ObservationSpecName) references ObservationSpec);

CREATE TABLE Observation (observationId Integer,observationTime DATE,recordedTime
DATE, patientSSN VARCHAR(25), PRIMARY KEY(observationid), FOREIGN KEY(patientSSN)
references Patient);


CREATE TABLE Alert (alertId Integer,alertType VARCHAR(10), patientSSN VARCHAR(25),
alertAction VARCHAR(10), ALERTDATE DATE, ALERTCLEARDATE DATE, PRIMARY
KEY(alertid), FOREIGN KEY(patientSSN) references Patient);


CREATE TABLE Limits (limitId Integer,lowerLimit VARCHAR(50),upperLimit VARCHAR(50),
PRIMARY KEY(limitId), observationSpecName VARCHAR(50), metricName VARCHAR(15),
FOREIGN KEY(observationSpecName, metricName) references
MetricInObsSpec(observationSpecName, metricName));

CREATE TABLE AlertForLimit(alertId Integer, limitId Integer, observationId, PRIMARY
KEY(alertId, limitId, observationId), FOREIGN KEY(alertId) references Alert, FOREIGN
KEY(limitId) references Limits, FOREIGN KEY(observationId) references Observation);

CREATE TABLE Recommendation (recommendationId Integer, threshold Integer,
observationSpecName VARCHAR(50), frequencyName VARCHAR(10), PRIMARY
KEY(recommendationId), FOREIGN KEY(observationSpecName) REFERENCES
ObservationSpec, FOREIGN KEY(frequencyName) references Frequency);

CREATE TABLE AlertForRecommendation(alertId Integer, recommendationId Integer,
PRIMARY KEY(alertId, recommendationId), FOREIGN KEY(alertId) references Alert, FOREIGN
KEY(recommendationId) references Recommendation);
INSERT INSE
CREATE TABLE RecommendationForDisease(DiseaseName VARCHAR(30),
recommendationId Integer, PRIMARY KEY(diseaseName, recommendationId), FOREIGN
KEY(diseaseName) references Diseases, FOREIGN KEY(recommendationId) references
Recommendation);
```

CREATE TABLE RecommendationForPatient(recommendationId Integer, patientSSN VARCHAR(25), PRIMARY KEY(patientSSN, recommendationId), FOREIGN KEY(patientSSN) references Patient, FOREIGN KEY(recommendationId) references Recommendation);

CREATE TABLE LimitsForDisease(diseaseName VARCHAR(30), limitId Integer, PRIMARY KEY(diseaseName, limitId), FOREIGN KEY(diseaseName) references Diseases, FOREIGN KEY(limitId) references Limits);

CREATE TABLE LimitsForPatient(limitId Integer, patientSSN VARCHAR(25), PRIMARY KEY(patientSSN, limitId), FOREIGN KEY(patientSSN) references Patient, FOREIGN KEY(limitId) references Limits);

CREATE TABLE MetricTypeValue (metricTypeValueID Integer,metricTypeValue VARCHAR(10), PRIMARY KEY(metricTypeValueID));

CREATE TABLE ObservationDetails(observationId Integer, observationSpecName VARCHAR(50), metricName VARCHAR(50), observationValue VARCHAR(10), PRIMARY KEY(observationId, observationSpecName, MetricName), FOREIGN KEY(observationId) references Observation, FOREIGN KEY(metricName,observationSpecName) references MetricInObsSpec);

CREATE TABLE PersonalizedRecommendation(recommendationID Integer, patientSSN VARCHAR(25), PRIMARY KEY(recommendationID, patientSSN), FOREIGN KEY(recommendationId) references Recommendation, FOREIGN KEY(patientSSN) references Patient);

CREATE TABLE MetricsHasMetricTypeValues (metricTypeValueID Integer, metricName VARCHAR(10), observationSpecName VARCHAR(10), PRIMARY KEY(metricTypeValueID, metricName, observationSpecName), FOREIGN KEY(observationSpecName, metricName) references MetricInObsSpec);

CREATE TABLE CanView (ssn VARCHAR(25), alertId Integer, PRIMARY KEY(ssn, alertId), FOREIGN KEY(ssn) references People, FOREIGN KEY(alertId) references Alert);

CREATE TABLE SSHARM17.LoginData(LoginDate   DATE NOT NULL,   SSN VARCHAR2 (25),   PRIMARY KEY (LoginDate, SSN));

ALTER TABLE SSHARM17.LoginData ADD CONSTRAINT "FK_LoginData_1" FOREIGN KEY (SSN) REFERENCES SSHARM17.PEOPLE (SSN)