Report for Assignment 4

CS-548

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Generated script:

**CREATE** **TABLE** TREATMENT (ID BIGINT **NOT** **NULL**, TTYPE **VARCHAR**(31), DIAGNOSIS **VARCHAR**(255), patient\_fk BIGINT, provider\_fk BIGINT, **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** DRUGTREATMENT (ID BIGINT **NOT** **NULL**, DOSAGE **FLOAT**, DRUG **VARCHAR**(255), **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** PATIENT (ID BIGINT **NOT** **NULL**, BIRTHDATE **DATE**, NAME **VARCHAR**(255), PATIENTID BIGINT, **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** PROVIDER (ID BIGINT **NOT** **NULL**, NPI BIGINT, SPECIALIZATION **VARCHAR**(255), **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** RADIOLOGY (ID BIGINT **NOT** **NULL**, **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** RADIOLOGYDATE (ID BIGINT **NOT** **NULL**, **DATE** **DATE**, radiology\_fk **VARCHAR**(255), **PRIMARY** **KEY** (ID))

**CREATE** **TABLE** SURGERY (ID BIGINT **NOT** **NULL**, **DATE** **DATE**, **PRIMARY** **KEY** (ID))

**ALTER** **TABLE** TREATMENT **ADD** **CONSTRAINT** FK\_TREATMENT\_provider\_fk **FOREIGN** **KEY** (provider\_fk) **REFERENCES** PROVIDER (NPI)

**ALTER** **TABLE** TREATMENT **ADD** **CONSTRAINT** FK\_TREATMENT\_patient\_fk **FOREIGN** **KEY** (patient\_fk) **REFERENCES** PATIENT (ID)

**ALTER** **TABLE** DRUGTREATMENT **ADD** **CONSTRAINT** FK\_DRUGTREATMENT\_ID **FOREIGN** **KEY** (ID) **REFERENCES** TREATMENT (ID)

**ALTER** **TABLE** RADIOLOGY **ADD** **CONSTRAINT** FK\_RADIOLOGY\_ID **FOREIGN** **KEY** (ID) **REFERENCES** TREATMENT (ID)

**ALTER** **TABLE** RADIOLOGYDATE **ADD** **CONSTRAINT** FK\_RADIOLOGYDATE\_radiology\_fk **FOREIGN** **KEY** (radiology\_fk) **REFERENCES** TREATMENT (dates)

**ALTER** **TABLE** SURGERY **ADD** **CONSTRAINT** FK\_SURGERY\_ID **FOREIGN** **KEY** (ID) **REFERENCES** TREATMENT (ID)

**CREATE** **TABLE** SEQUENCE (SEQ\_NAME **VARCHAR**(50) **NOT** **NULL**, SEQ\_COUNT **DECIMAL**(38), **PRIMARY** **KEY** (SEQ\_NAME))

**INSERT** **INTO** SEQUENCE(SEQ\_NAME, SEQ\_COUNT) **values** ('SEQ\_GEN', 0)

The whole Eclipse project along with the demo video are in the folder.

Below is the ER diagram for the data model

