Star Schema Design: Logical Diagram CMPINF 2211: Foundations of Cloud Computing Lisa Over May 28, 2025

fact_visit_details

patient_id int (PK, FK1)

provider_id int (PK, FK2)

date_id int (PK, FK3)

visit_count int

dim time

date_id (PK)

date

day

month

year

hour

quarter

dim_patient

patient_id (PK)

first name

last_name

gender

dob

dim_provider

provider_id (PK)

first name

last_name

fact_symptom_details

patient_id int (PK, FK1)

provider_id int (PK, FK2)

date_id int (PK, FK3)

visit_number int (PK)

symptom_id int (FK4)

fact_procedure_details

patient_id int (PK, FK1)

provider_id int (PK, FK2)

date_id int (PK, FK3)

visit_number int (PK)

procedure_id int (FK4)

fact_lab_details

patient_id int (PK, FK1)

provider_id int (PK, FK2)

date_id int (PK, FK3)

visit_number int (PK)

lab_id int (FK4)

fact_diagnosis_details

patient_id int (PK, FK1)

provider_id int (PK, FK2)

date_id int (PK, FK3)

visit_number int (PK)

diagnosis_id int (FK4)

dim_symptom

symptom_id (PK)

sym_note

dim_procedure

procedure_id (PK)

proc_name

description

icd10 code

dim_lab

lab_id (PK)

lab_name

cpt_code

dim_diagnosis

diagnosis_id (PK)

diag_name

icd10_code