Schema Logica Proiect 1

ORAS(Id\_oras, Nume, Populatie, Data\_asezare, administratie, Id\_judet)

Chei semantice:Nume\* id\_judet

Dom(Nume)=Char(255)

Dom(Populatie)=n-nr real, 0<=n<=10^8

Dom(Data\_asezare)= { d ∈DATE | d<=Data curenta }

Dom(administratie)=Char(255)

Not Null: Nume, Id\_judet

Constrangeri de integritate referentiala: Id\_judet ⊆ JUDET.Id\_judet

Restrictii: ORAS.populatie<=JUDET.populatie

JUDET(id\_judet, Nume, Populatie, Lung\_granita, Suprafata)

Chei semantice:Nume

Dom(Nume)=Char(255)

Dom(Populatie)=n-nr real, 0<=n<=10^8

Dom(lung\_granita)=n-nr real (km), 0<n<10^5

Dom(suprafata)=n-nr real(km^2), 0<n<10^5

Not null: Nume

VECIN(id\_vecin, lung\_granita\_comuna, id\_judet1, id\_judet2)

Chei semantice: id\_judet1\*id\_judet2

Dom(lung\_granita\_comuna)= n-nr real (km), 0<=n<=10^5

Constrangeri de integritate referentiala: Id\_judet1 ⊆ JUDET.Id\_judet

Id\_judet2 ⊆ JUDET.Id\_judet

Constrangeri de tuplu: id\_judet1<> id\_judet2

TRAVERSARE(id\_traversare, distanta, id\_judet, id\_rau)

Chei semantice: id\_judet\*id\_rau

Dom(distanta)= n-nr real (km), 0<=n<=10^5

Constrangeri de integritate referentiala: Id\_judet ⊆ JUDET.Id\_judet

Id\_rau ⊆ RAU.id\_rau

Constrangeri de tuplu: distanta<=RAU.lungime

RAU(id\_rau, nume, lungime, id\_judet)

Chei semantice: nume\*id\_judet

Dom(nume)=CHAR(255)

Dom(lungime)= n-nr real (km), 0<=n<=10^5

Constrangeri de integritate referentiala: Id\_judet ⊆ JUDET.Id\_judet