PROJECT title ID1 budget start_date implements title ID1 FK1 dname ID2 FK2 DEPARTMENT
budget
dname ID1
cname ID2 FK1
country ID2 FK1
ceo ID3 FK2
phone ID3 FK2
address ID3 FK2

COMPANY
cname ID1
country ID1
ceo ID2
phone ID2
phone ID2
address ID2
company-type

system
sname ID1
cname ID2 FK1
country ID2 FK1
coo ID3 FK2
phone ID3 FK2
address ID3 FK2

medicine
mname ID1
cname ID2 FK1
country ID2 FK1
ceo ID3 FK2
phone ID3 FK2
address ID3 FK2

PROJECT(title, budge, start date)

PRIMARY KEY = (title)

IMPLEMENTS(title, dname)

PRIMARY KEY = (title, dname)

FOREIGN KEY = (title) REFERENCES PROJECT(title)

FOREIGN KEY = (dname) REFERENCES DEPARTMENT(dname)

DEPARTMENT(budge, dname, cname, country, ceo, phone, address)

PRIMARY KEY = (dname)

FOREIGN KEY = (cname, country) REFERENCES COMPANY(cname, country)

FOREIGN KEY = (ceo, phone, address) REFERENCES COMPANY(ceo, phone, address)

COMPANY(cname, country, ceo, phone, address, company-type)

PRIMARY KEY = (cname, country)

CANDIDATE KEY = (ceo, phone, address)

SYSTEM(sname, cname, country, ceo, phone, address)

PRIMARY KEY = (sname)

FOREIGN KEY = (cname, country) REFERENCES COMPANY(cname, country)

FOREIGN KEY = (ceo, phone, address) REFERENCES COMPANY(ceo, phone, address)

MEDICINE(mname, cname, country, ceo, phone, address)

PRIMARY KEY = (mname)

FOREIGN KEY = (cname, country) REFERENCES COMPANY(cname, country)

FOREIGN KEY = (ceo, phone, address) REFERENCES COMPANY(ceo, phone, address)