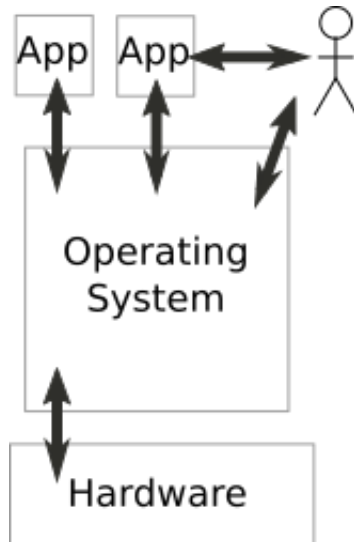


Quiz 5

Wed Nov 30

1. Briefly describe the main purpose of the Domain Name Service (DNS).
2. In our overview of operating systems, we used a picture where the OS sits between the hardware on one end, and the user and applications on the other.



Name one responsibility of the OS relating to each of these other entities:

- Hardware devices:
- Applications:
- Users:

The three tables below are a representation of a database for a health clinic. The last table, 'Appointment', contains foreign keys referencing the Physician and Patient tables. Examine the tables and answer the questions below.

Physician

ID*	First	Last	Specialty
1	Ann	Arnold	general
2	Bob	Banner	cardiology
3	Carl	Chan	allergy
4	Denise	Duran	general
5	Elle	Encino	endocrinology

Patient

ID*	First	Last	Birthdate	Phone
1	Felipe	Fordham	1982-06-28	718 555 1234
2	Giada	Gordita	1954-10-27	212 555 1235
3	Harry	Howser	1983-07-30	614 555 1236
4	Inigo	Innis	1994-09-02	201 555 1237
5	Jana	Janoski	1953-08-25	212 555 1238
6	Katie	Kolata	1975-02-18	718 555 1239

Appointment – first two columns are foreign keys

PatientID↑ (ref. Patient)	PhysicianID↑ (ref. Physician)	Date	Time
1	3	2016-12-15	10:30
1	4	2016-12-18	15:30
2	2	2016-12-11	11:15
3	5	2016-12-15	14:00
4	1	2016-12-16	10:00
4	2	2016-12-15	10:00
5	5	2016-12-15	10:30
6	4	2016-12-18	15:30

- Who is the youngest patient in the database? _____
- Name all the physicians that Inigo Innis is seeing? _____
- On what date(s) and time(s) does Katie Kolata have an appointment?

- Name any physicians or patients that have scheduling conflicts (two appointments for the same person at the same time). _____
- A new patient, Liam Lin (born June 11th, 1994), just made an appointment with Dr. Carl Chan on Dec 7th at 4:15 PM. Add that information to the appropriate tables above.