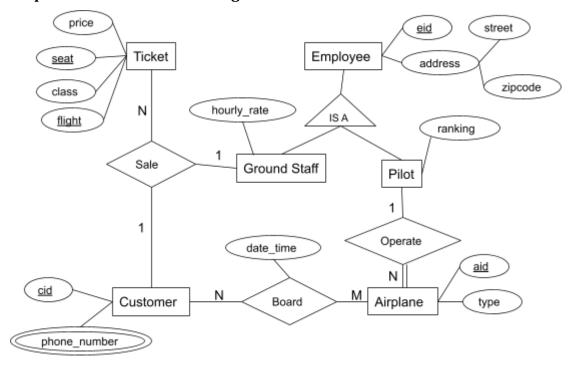
## CS 122A / EECS116 - Learning Activity #1 ER Diagrams

Name:	netID:
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## Answer the questions below considering ONLY the airline E-R schema shown.



## Select (T)rue or (F)alse for each of the following statements.

A pilot can operate multiple airplanes, but only if they are of the same type.
Every ground staff employee must sell a customer a ticket.
Two tickets can have the same seat number.
A customer can only board one airplane at a particular date and time.
A customer can board multiple airplanes.
Two pilots can live at the same address.
A pilot can have more than 1 address.
Any employee can operate an airplane.
Only an employee with an hourly_rate can sell tickets to the customers.
An employee can have both a ranking and an hourly_rate.
All airplanes with the same type must be operated by the same pilot.

A customer has phone number(s).									
	٦	ny number (≥0)			(D) 2	(E) >= 1			
Every airplane must be operated by pilot.									
	(A) aı	ny number (≥0)	(B) o or 1	(C) 1	(D) 2	(E) > 1			
Each customer can buy ticket(s) from the same ground staff.									
	(A) aı	ny number ( $\geq 0$ )	(B) o or 1	(C) 1	(D) 2	(E) > 1			
Multiple customers with the same phone number board the same airplane.  (A) must (B) can not (C) can  Fill-in the blank with the corresponding attributes for each of the following statements.									
A ticket	has								
(list the attributes)									
A pilot is uniquely identified by									
		_							
An airplane is uniquely identified by									
What statement is needed in the ER diagram to enforce the following constraints (consider each statement is independent):  An employee must be either Ground Staff or Pilot.									
An employee can be Ground Staff and/or Pilot.									