


Devin Hardy

1. a. Insert and modify
- b. Domain, Key, Referential, and Entity
- c. Flight Number and Leg Number
- d. Airport code, flight number, leg number, date, fare code, airplane type name, airplane id, seat number



2. Primary Key Student ID, Course ID



3. a. No constraints violated 
- b. Referential Integrity constraint the operation can be canceled until fixed
A new location could be added to allow the operation
- c. Referential Integrity constraint the operation can be canceled until fixed
A new location could be added to allow the operation
- d. Referential Integrity constraint the operation can be canceled until fixed
A new employee could be added to allow the operation
A new project could be added to allow the operation
- e. Entity constraint the operation can be canceled until fixed
A dependent needs to have a birth date
- f. No constraints violated
- g. Referential Integrity constraint can be either Restricted
- h. No constraints violated
- i. No constraints violated
- j. No constraints violated
- k. Referential Integrity constraint can be resolved with a Restrict, or a cascade

4. a. PART SUPPLIER (PartNO, Description, VendorName, Address, UnitCost)

b. Insert <1234, 'Logic Chip', 'Fast Chips', 'Cupertino', 10.00>

Delete the Part Supplier tuples with VendorName = 'Smart Chips'

Modify the UnitCost attribut of the PartSupplier Table with PartNO = 1234 and VendorName = 'Fast Chips' to 9.00

5. STAFF(EmpID, Name, Salary)

WORK SCHEDULE(EmpID, EventID, StartTime, EndTime, Position)

EVENT(EventID, EventDate, EventLocation, EventTime, MenuID)

MENU(MenuID, MenuDescription, MenuType)

DISH(MenuID, DishID, DishName, PrepTime)

6. a.

	Decorator	Client	Job	Contractors	Activities	Materials
Decorator		Hired	Works			
Client	Hires					
Job	Worked by					
Contractors					Works	
Activities				Worked by		Require
Materials					Required by	

b.

[1] D. Holland, Finding the Building Blocks of Wood, The University of Melbourne, June 6, 2018. Accessed on: June 13, 2018. [Online]. Available: https://pursuit.unimelb.edu.au/articles/finding-the-building-blocks-of-wood?utm_source=linkedin.com&utm_medium=social&utm_content=story