#### Database Design

# Here is an example of how you should complete questions 1 and 2 $\,$

| table name      | column names                  |  |  |
|-----------------|-------------------------------|--|--|
| Patient         | patientID, name               |  |  |
| Disease         | diseaseID, diseaseDescription |  |  |
| Patient disease | patientID, diseaseID          |  |  |

## Given the above tables and columns identify the information below in the empty slots $% \left( \mathbf{r}_{\mathbf{r}}\right) =\mathbf{r}_{\mathbf{r}}$

| table name      | primary key          | foreign key(s) | table(s)<br>referenced |
|-----------------|----------------------|----------------|------------------------|
| patient         | patientID            |                |                        |
| Disease         | diseaseID            |                |                        |
| Patient_disease | patientID, diseaseID | patientID      | Patient                |
| _               |                      | diseaseID      | Disease                |

#### 1)

Here are 5 tables with their respective columns

| table name  | column names                                        |
|-------------|-----------------------------------------------------|
| customer    | customerID, name                                    |
| flight      | flightID, departureTime,arrivalTime,pilotID,planeID |
| pilot       | pilotID, name                                       |
| reservation | reservationID, customerID,flightID                  |
| plane       | planeID, planeType, planeName                       |

### Given the above tables and columns identify the information below in the empty slots $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($

| table name  | primary key | foreign key(s) | table(s)<br>referenced |
|-------------|-------------|----------------|------------------------|
| customer    |             |                |                        |
| flight      |             |                |                        |
| pilot       |             |                |                        |
| reservation |             |                |                        |
| plane       |             |                |                        |

### 2)

Come up with your own unique example just like the above exercise.

This must be your own unique example different from other people in the class. It must also be different from the normalization group assignment..

Use the same format as above. Your example must contain at least four tables.