Tasks for this Assignment  
1. Use Visio (or other tools: Draw.io or Network Diagram maker) to draw a set of   
Functional Decomposition Diagrams (FDD) diagrams and Business Process Modeling   
(BPM) diagrams for 1) the hotel/motel web systems, and 2) the ERP system:  
a) FDD Diagrams: At least three layers.   
b) BPM Diagrams: At least three business processes. Each business processes   
at least has 4 sub-processes.

2.  
Use Visio (or other tools) to draw a set of DFD diagrams (Gane and Sarson symbols)   
for the web project:  
a) Context Diagram: The system is the Hotel Web System. The system includes   
two entities: Customers, Rooms.  
b) Diagram 0: Hotel Web System includes 4 processes: 1) HomePage System   
2) Reservation System, 3) Hotel Location and Room System, and 4) Related   
Services. Which include two data store: a) Customers database b) Rooms   
databas

3. You have used Visio (or other tools) to draw a set of DFD diagrams (Gane and Sarson   
symbols) for the web   
a) Context Diagram: The system is the Hotel Web System. The system includes   
two entities: Customers, Rooms.  
b) Diagram 0: Hotel Web System includes 4 processes: 1) HomePage System   
2) Reservation System, 3) Hotel Location and Room System, and 4) Related   
Services. Which include two data store: a) Customers database b) Rooms   
database.  
Tasks for this Assignment  
1. Use Visio (or another tool) to draw   
a) diagram 2 (Reservation Systems) and 3 (Hotel Location and Room Systems)  
b) an example of documenting a data element in Reservation Systems  
c) an example of documenting a data store in Hotel Location and Room   
Systems  
d) an example of Modular design for Reservation Systems

4.   
B. Tasks for This Assignment  
After shows the prototype of the Hotel Web Systems, the manager of the Hotel   
wants you to prepare a version can be run in the Android Systems.   
A. Use Microsoft Visio (or other tools) to draw a set of use case diagrams for the   
Android-version of the Hotel web project:  
a) The system is the Android-version of the Hotel Web System. The system   
includes three entities: Hotel Staff, Customers, and Rooms.  
b) Android-Hotel Web System for Reservation includes 4 processes: 1)   
HomePage System 2) Reservation System, 3) Hotel Location and Room   
System, and 4) Related Services. Which include two data store: a) Customers   
database b) Rooms database.

c) You can use Lucidchart (https://www.lucidchart.com/pages/)  
B. Run Android Studio (or Visual Studio) and create a simple screen with Android-  
version of the Hotel Web Systems. If you do not have one, you can download and install   
it.  
1. If you want to download Visual Studio, go to   
https://visualstudio.microsoft.com/  
Choose Visual Studio Download. Any version (community, professional, and enterprise) will be   
fine.

5. mobile version for the Android Device.

II. Action Items (Task in this assignment)

In this assignment, you will do the following:

A. Use Microsoft Visual Studio to draw at least 7 screens of user interface design for the desktop version for the Hotel Web System project:

The user interface for the systems must be include at least a) 3 input screen b) 3 output screens, c) a help screen.