

# SE 2001: Software Requirements Engineering (B)

## Quiz 6

Time: 20 minutes

Max Marks: 20

Roll No. \_\_\_\_\_

**Q1.**

**10 Marks**

Consider a situation where a customer gives you requirements and assigns priorities as suggested by numerical assignment method (aka grouping). When you as an RE have a look at the prioritized requirements you end up having all requirements categorized as High and no requirements categorized as Medium or Low. Now you do not know which of the requirements should be the first to implement. Suggest and describe a solution, without changing the prioritization technique already in use, to get better prioritization of the set of requirements in this case (i.e. to have some requirements with High priority, some with Medium, and some with Low). Be specific and precise.

**Solution:**

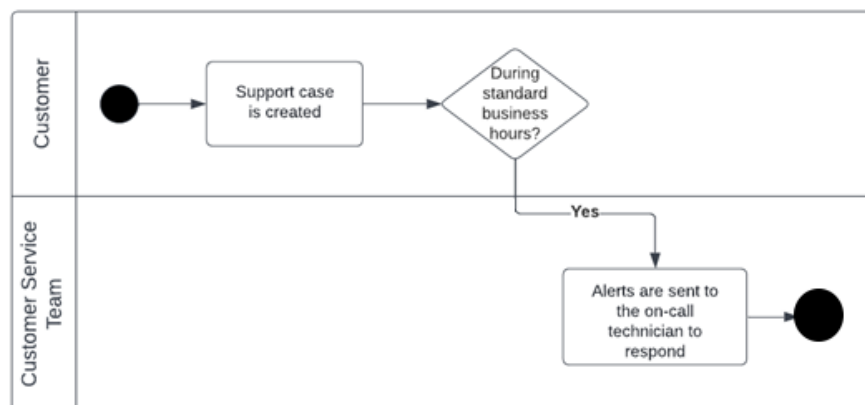
Perform multipass prioritization, and ask the customer to give either of the three priorities (Highest, Higher, High) to each of the requirements previously prioritized as High. The requirements after the new pass with highest priority are considered to be the most important and implementation should start from there. Continue performing these passes until a reasonable distribution of requirements in each category is achieved.

**Q2.**

**2+3+3+2 = 10 Marks**

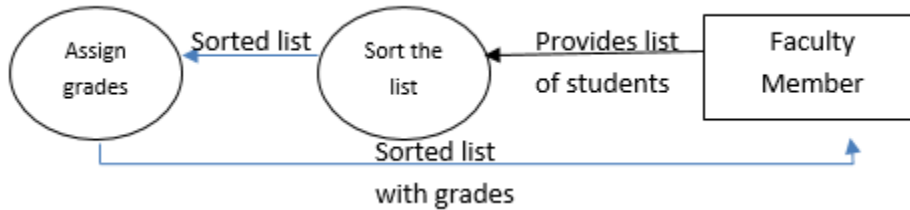
Identify the diagram, and the mistakes in the given diagrams. Modify the diagram to correct the mistake(s) in part 2 and 3 as mentioned.

1. Swimlane. A path for No is missing from the diamond.



2. DFD. Remove the word 'Provides'. Assign numbers to the bubbles

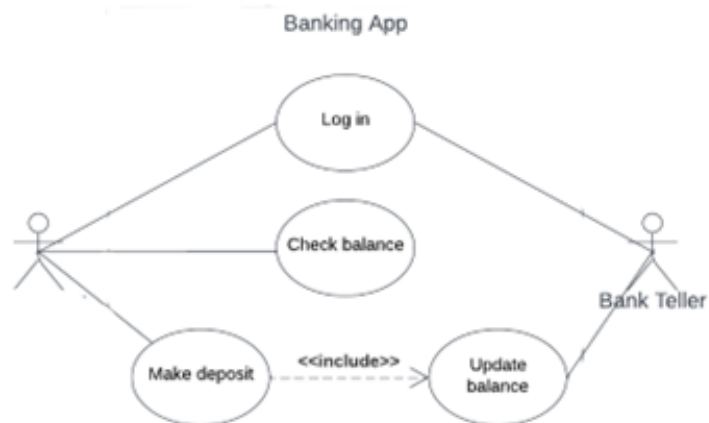
Correct the mistake(s) also.



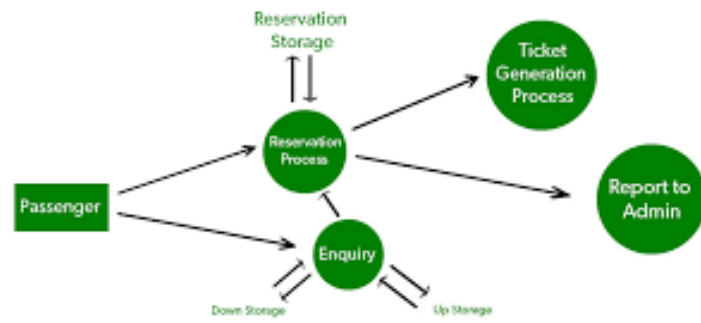
**Level 1 DFD**

3. Use case diagram. No bounding box. Add a box around the four ovals. Name of the actor is missing, write the name 'Bank Customer'

Correct the mistake(s) also.



4. DFD. Notation for data stores is incorrect. Some arrows have no labels. Process have no identifiers.



1-LEVEL DFD