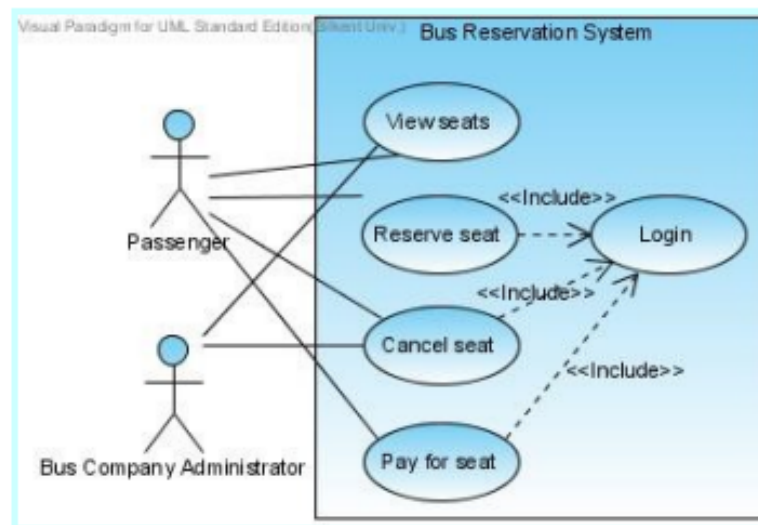
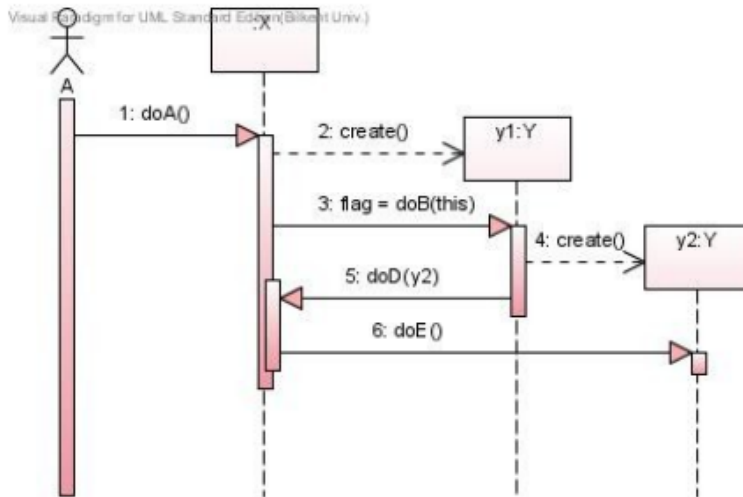


a) [15 pts] Draw a use case diagram for describing the functional requirements of the above system.



Question 3: OOA/D and UML [10 pts]

Consider the following sequence diagram. Write skeletal code for any *non-boundary* objects (i.e., classes) involved in the below diagram. Specify only what is conveyed in the diagram.



```
public class Y {
    ...
    boolean doB(X x) {
        Y y2 = new Y();
        x.doD(y2);
        ...
        return flag;
    }
    void doE() {...}
}
```

