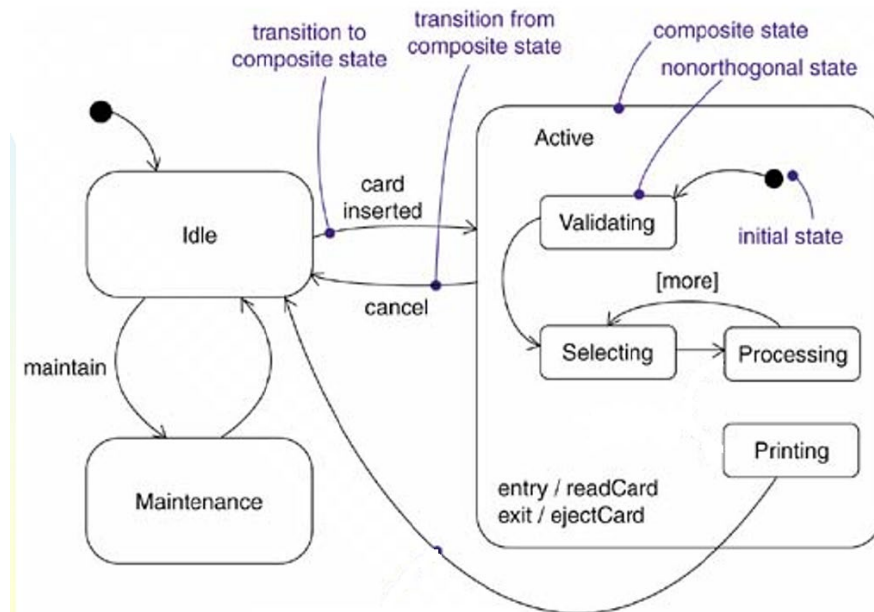


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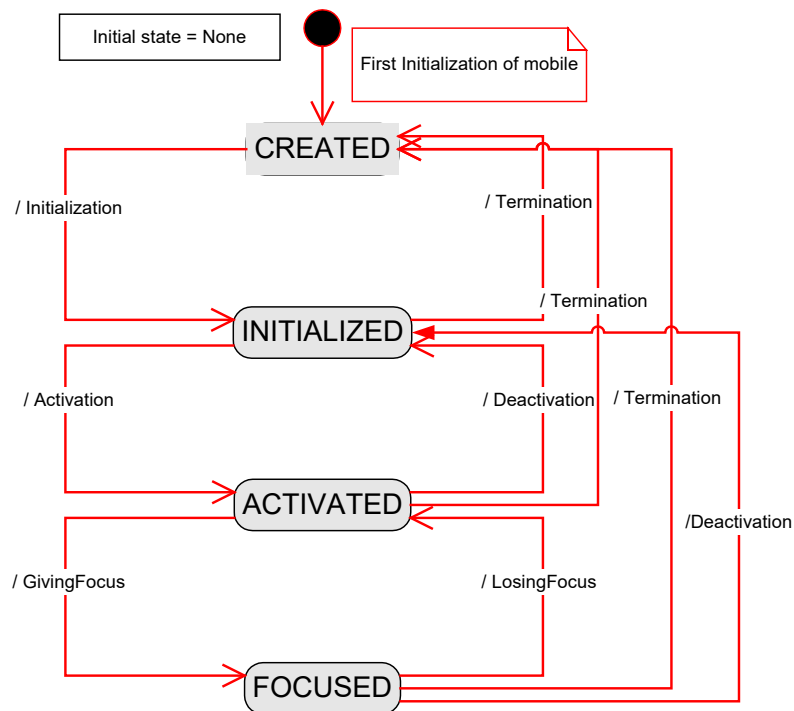
一、 Briefly explain following concepts or questions(15 points, each 5 point)

- 1、 Describe the relationship between Class diagram and Sequence diagram ?
- 2、 Describe the difference between Sequence diagram and State diagram ?
- 3、 Point out all inappropriates in following diagram.



二、 Answer following questions (25 points, each 5 point)

- 1、 according to following diagram, give out Pseudocode（伪代码） [提示：需考虑缺省状态] (15 points)



2、 Translate this into Chinese. (10 points)

Activity diagrams may stand alone to visualize, specify, construct, and document the dynamics of a society of objects, or they may be used to model the flow of control of an operation. Whereas interaction diagrams emphasize the flow of control from object to object, activity diagrams emphasize the flow of control from step to step. An activity is an ongoing structured execution of a behavior.

三、 According to following problem description, Please answer questions (60 points)

An Exhibition(展览会) requires a system that will enable exhibition staff to keep track of guided tours of the Exhibition hall. When a party of visitors arrives, a staff member must be able to record the date, start time and number of visitors undertaking the tour. Also, a staff member must be able to assign a guide to the tour, from available tour guides (i.e., those not currently conducting a tour or performing some other duty); the assigned guide will be notified of the assignment.

During a tour, its guide must be able to record special incidents that might occur, such as a visitor becoming ill. Each such incident will be related to the tour on which it occurred and will include a description and a time. Incident reports must be communicated to the Exhibition's Safety Office.

1\ please draw an activity diagram with swimlane (15 points).

2\ please draw a class diagram for ExhibitionSystem (15 points).

3\ please draw a sequence diagram to show how a staff member be assigned as a guide (15 points).

4\ please draw a communication diagram to show how the incident be processed (15 points).