CPE 684

Assignment 2

PART I

Using as an initial design, the class diagram produced in Assignment 1 for the AGV control system, develop a refined design using design patterns. Show refinement steps based on applying patterns one by one. Each pattern should be targeted to a specific design problem that you specify in your design. Use specifically the *Observer*, and the State patterns discussed in class. Document your design refinements and show clearly the design model as it evolves from one refinement to the next.

Part II

Use the statechart pattern language discussed in class to develop a refined design for the ATM controller class of objects discussed in class whose statechart is shown below:

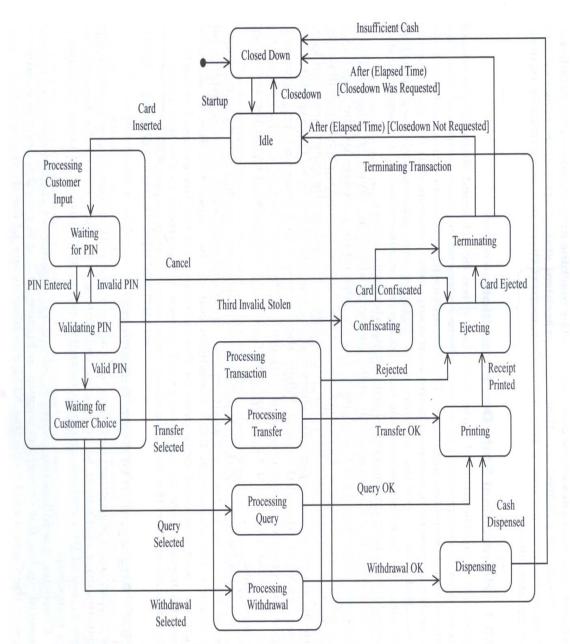


Figure 10.14 Example of hierarchical statechart