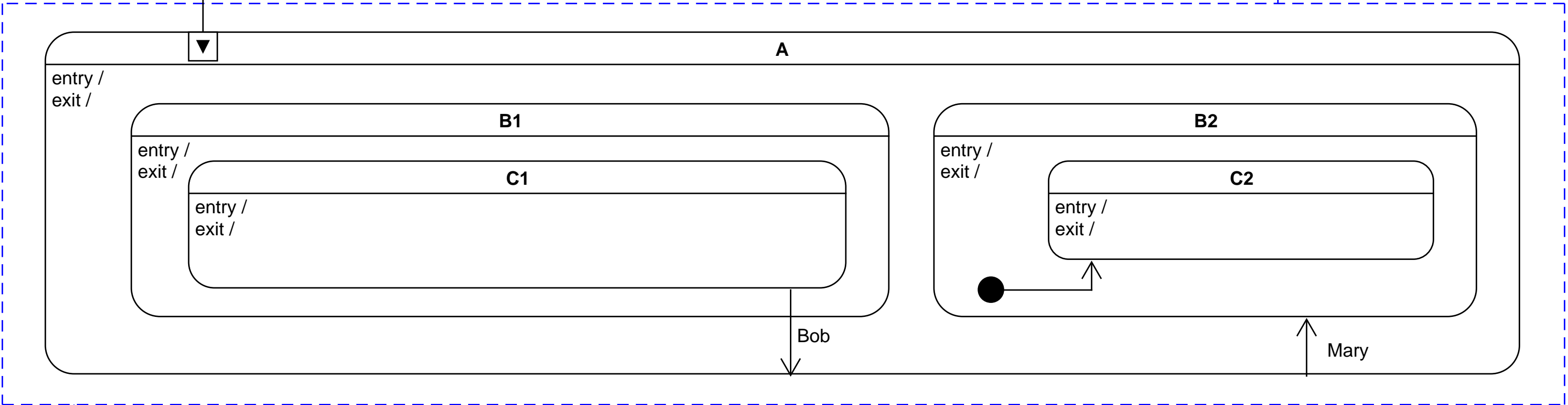
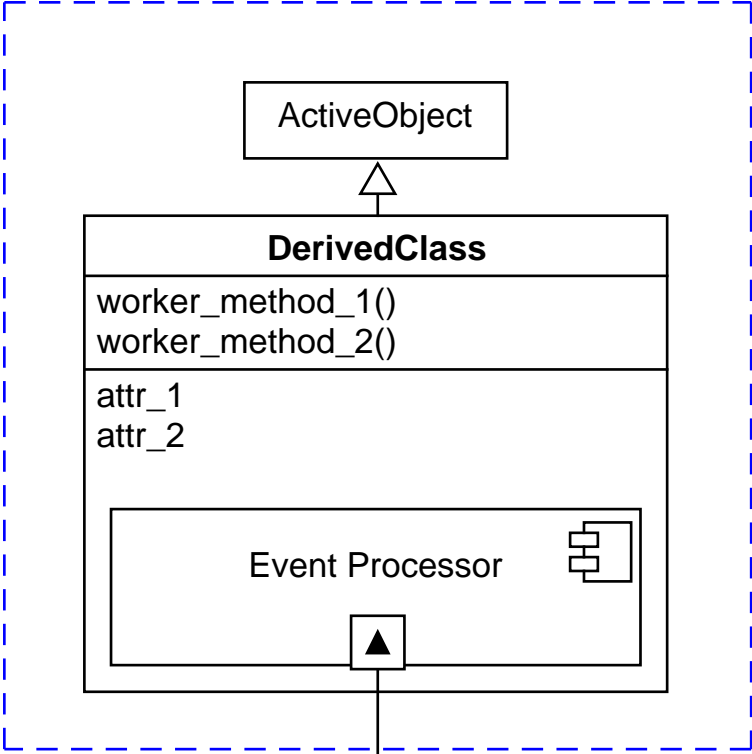


Statechart (ActiveObject):
 1) Thread
 2) Event Processor
 3) S and T references
 4) deque to receive events

To attach and start a statechart thread:
 1) instantiate the ActiveObject
 2) call its start_at method

Example:
 sc = DerivedClass(name="example")
 sc.start_at(A) # (S and T will appear in A)

HSM:
 1) 5 callbacks: A, B1, B2, C1, C2
 2) The callbacks can only be called after attachment (start_at called)
 2) These callbacks will be called by the event processor with ActiveObjects's thread
 3) These callbacks will receive a reference to the statechart and an event.
 4) They will return information for the T to know how to take her next step



T, S and event information typically missing so that the diagram can be used for all scenarios