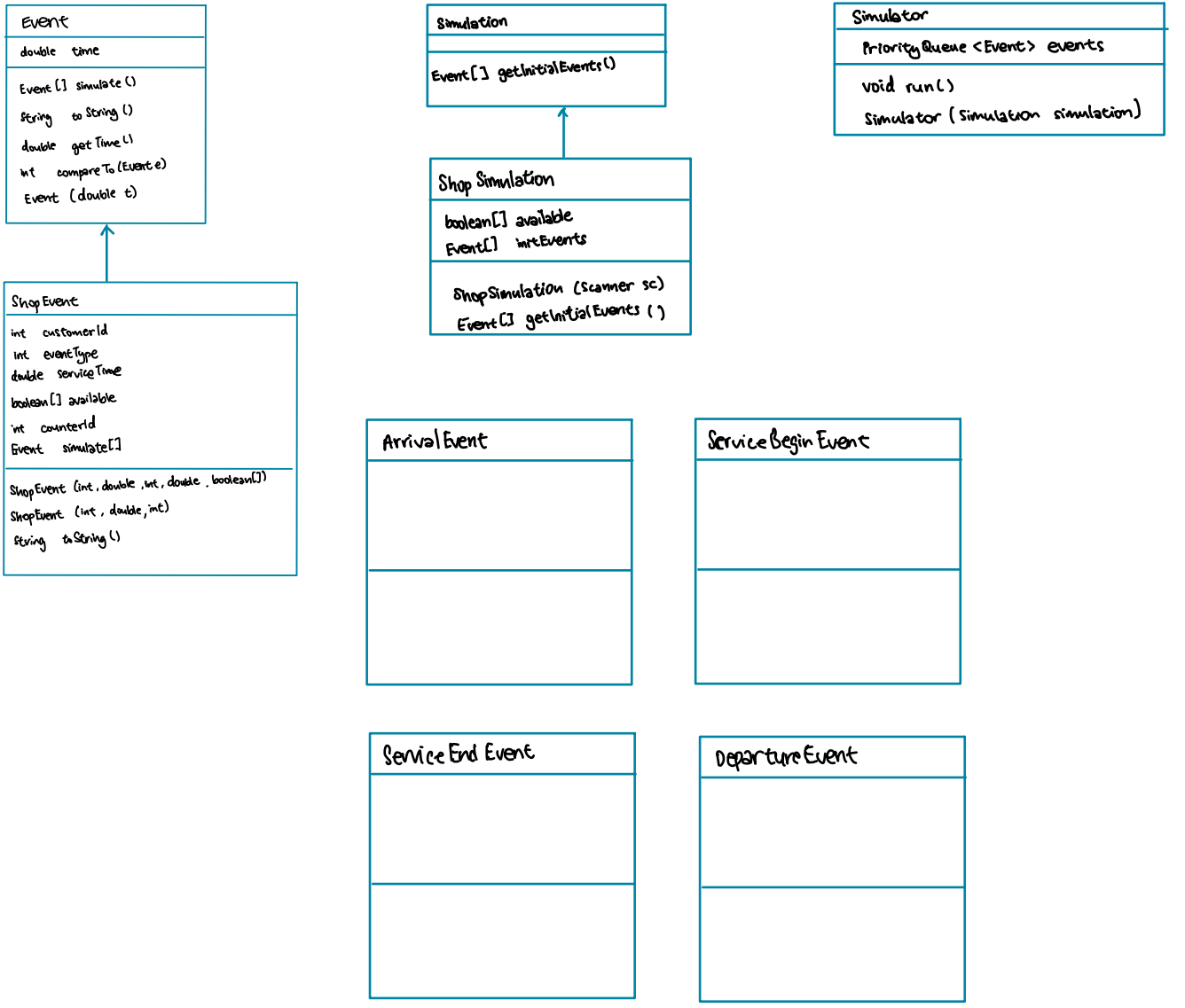
Event
double time
Event[] simulate()
String toString()
double getTime()
int compareTo(Event e)
Event(double t)
Simulation
Event[] getInitialEvents()
Simulator
PriorityQueue<Event> events
void run()
Simulator(Simulation simulation)
ShopSimulation
boolean[] available
Event[] initEvents
ShopSimulation(Scanner sc)
Event[] getInitialEvents()
ShopEvent
int customerId
int eventType
double serviceTime
boolean[] available
int counterId
Event simulate[]
ShopEvent(int, double, int, double, boolean[])
ShopEvent(int, double, int)
String toString()
ArrivalEvent
ServiceBeginEvent
ServiceEndEvent
DepartureEvent

Shop Simulation

1. Read inputs
2. Initialize counters
3. initialize events based on customer arrivals
4. return list of arrival events to Simulator object when getInitialEvents called

Shop Event

4 states : ARRIVAL, SERVICE_BEGIN, SERVICE_END
DEPARTURE

Shop Simulation

1. create Event[] . based on no. of events
2. get numOfCounters
3. create Counter[numOfCounters]
4. initialize counter obj with available : true
5.