Bridge Pattern
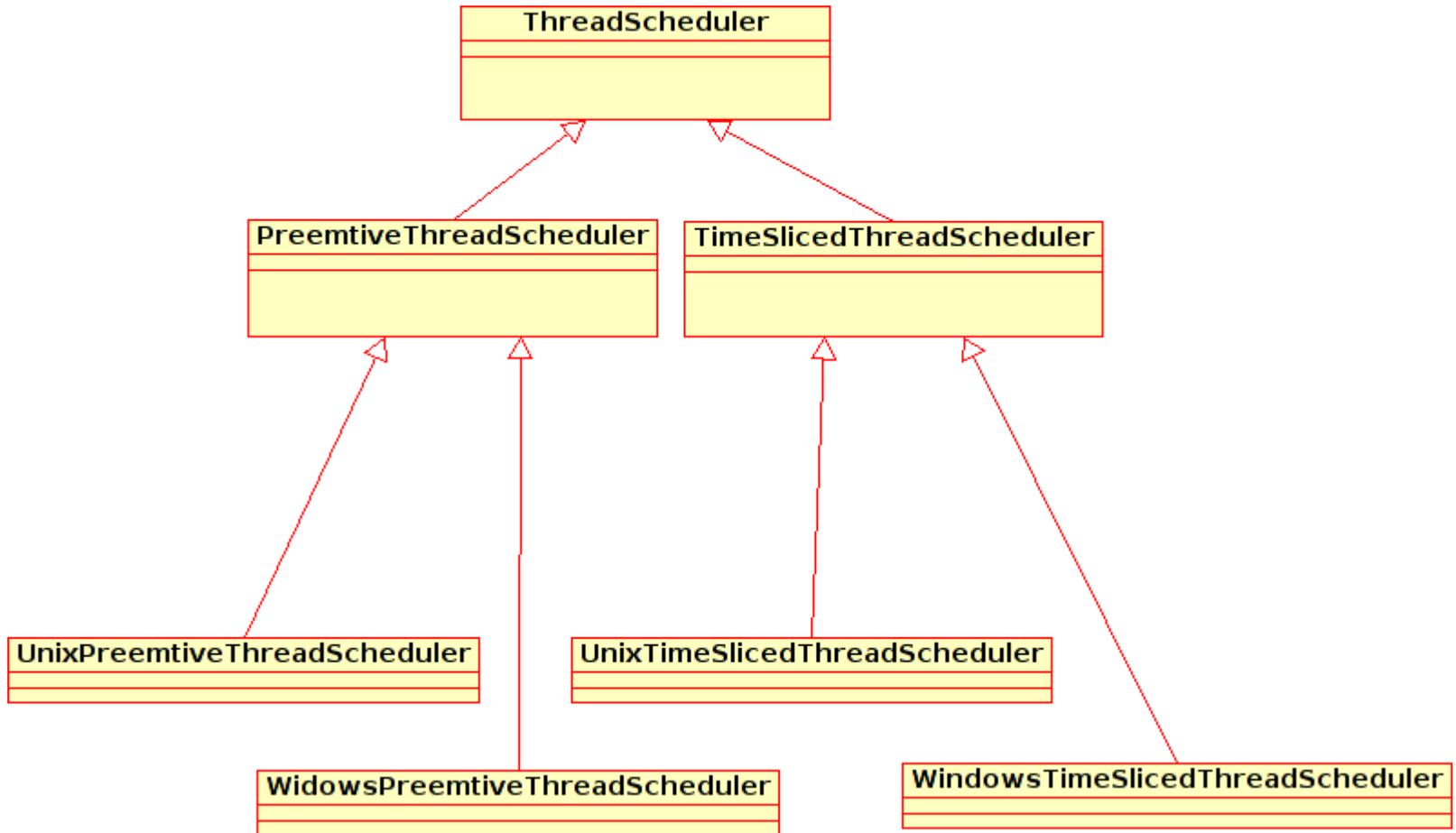

Structural Pattern

Consider this structure

Now add a Java_VM

ThreadScheduler

TimeSlicedThreadScheduler

UnixTimeSlicedThreadScheduler

JavaVM_TimeSlicedThreadScheduler

WindowsTimeSlicedThreadScheduler

PreemtiveThreadScheduler

UnixPreemtiveThreadScheduler

JavaVM_PreemtiveThreadScheduler

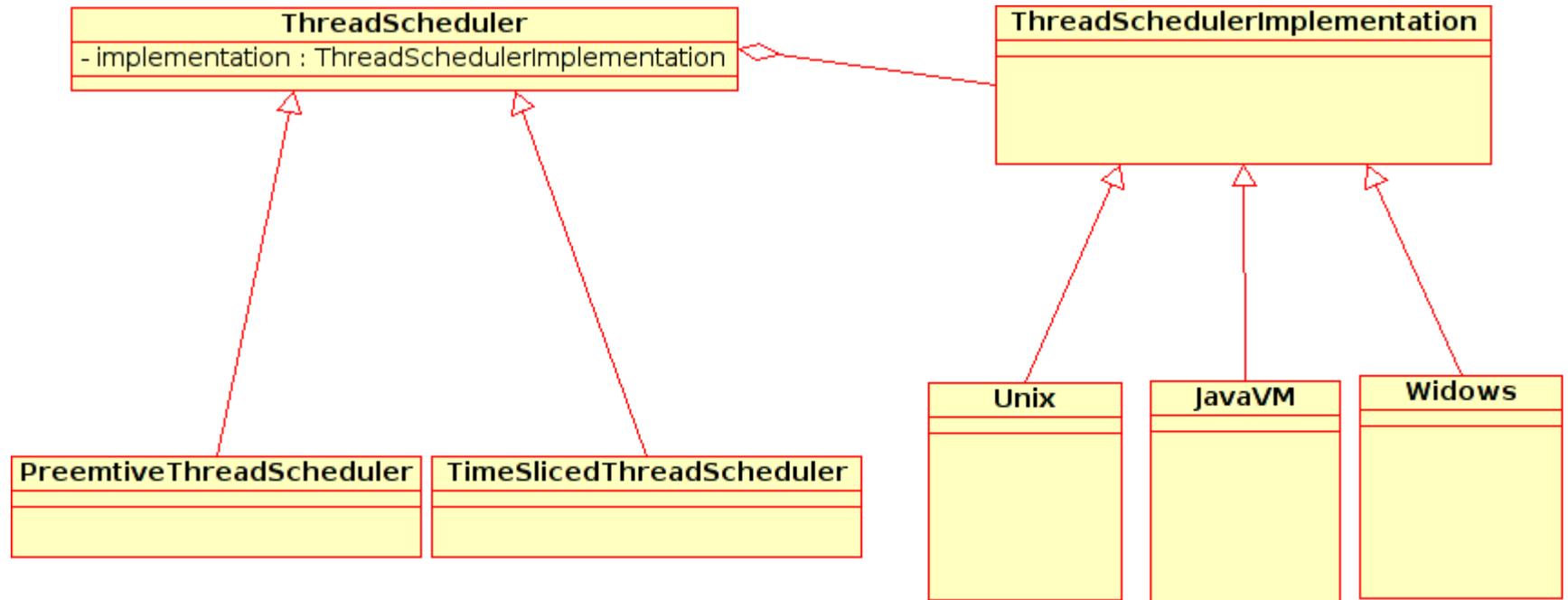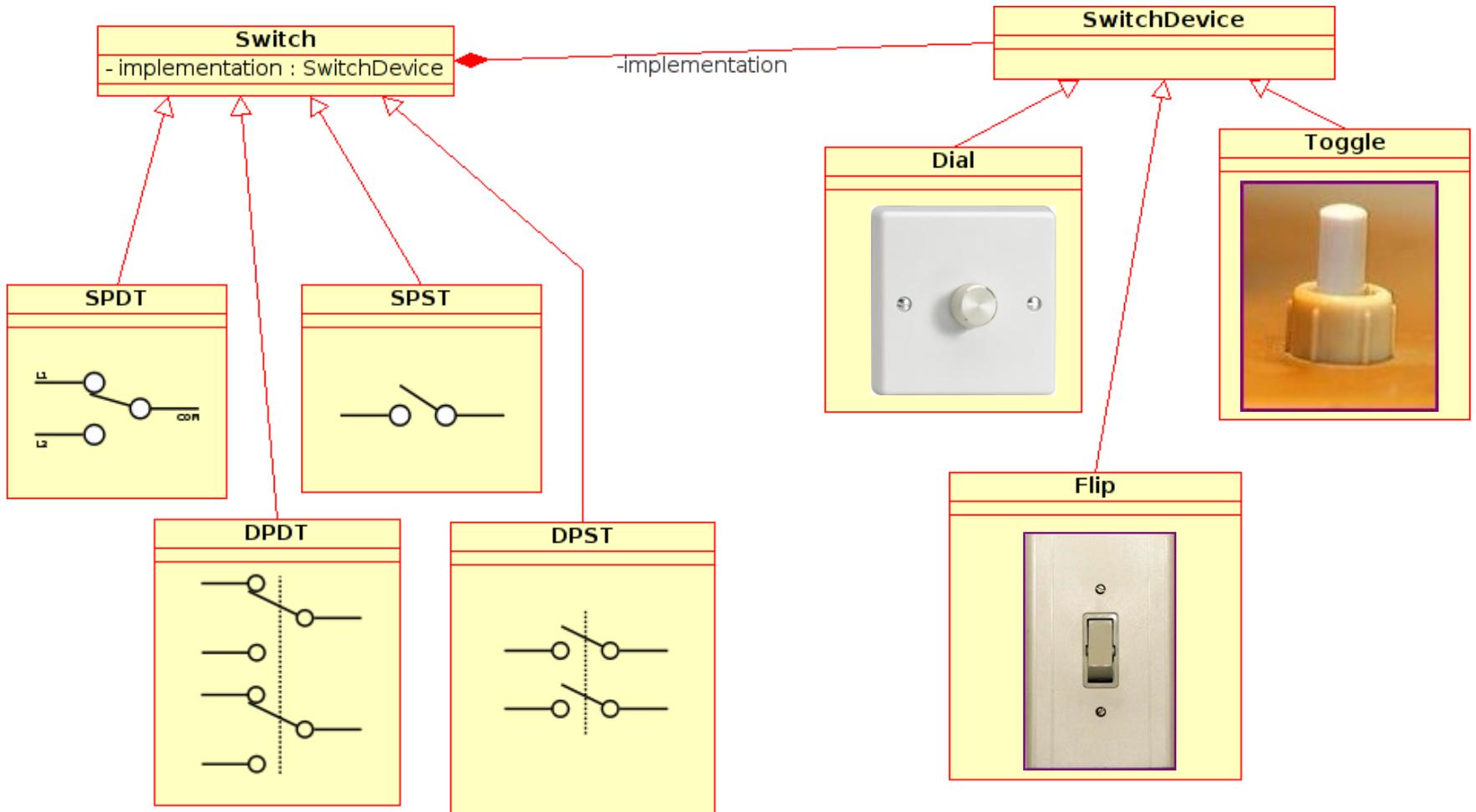**WidowsPreemtiveThreadScheduler**
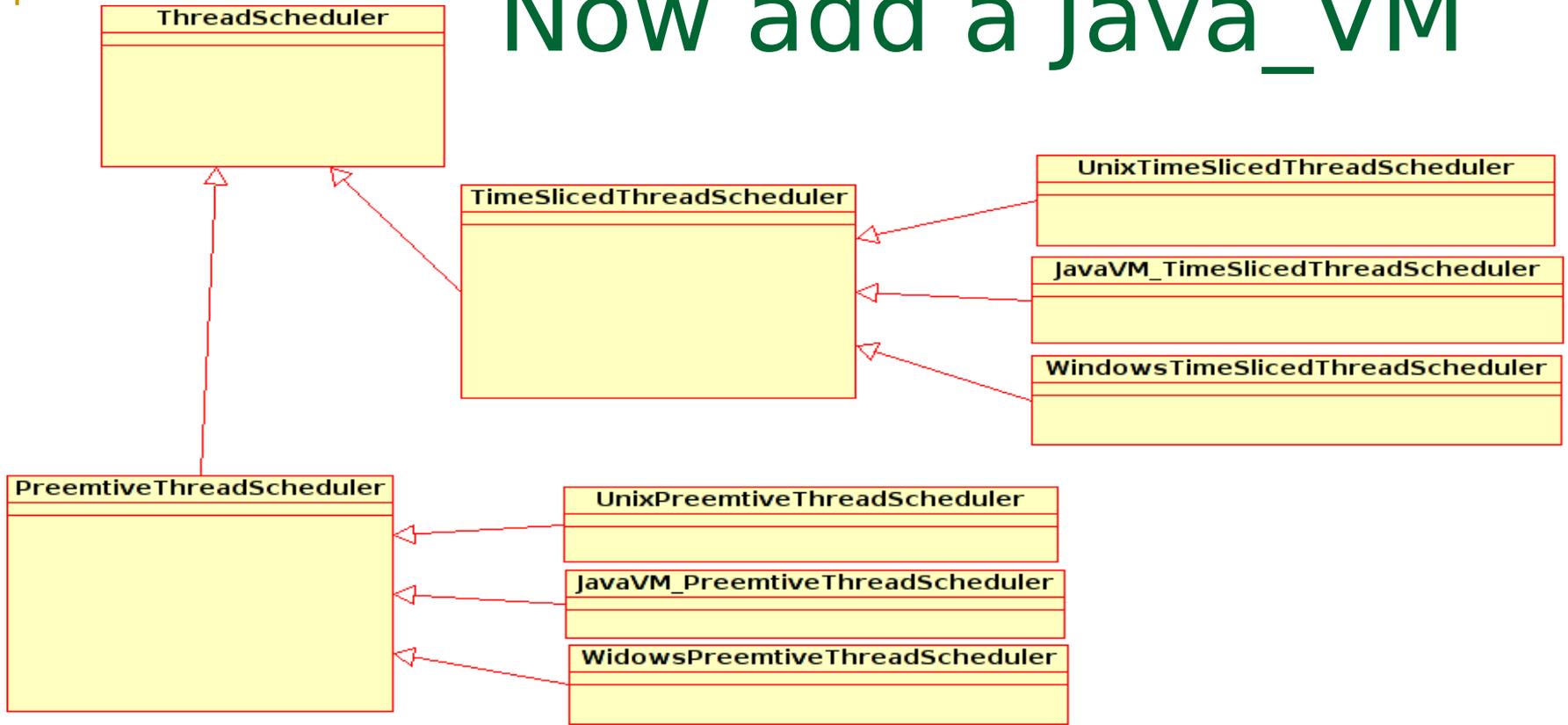
What will happen if we add another kind of scheduler?
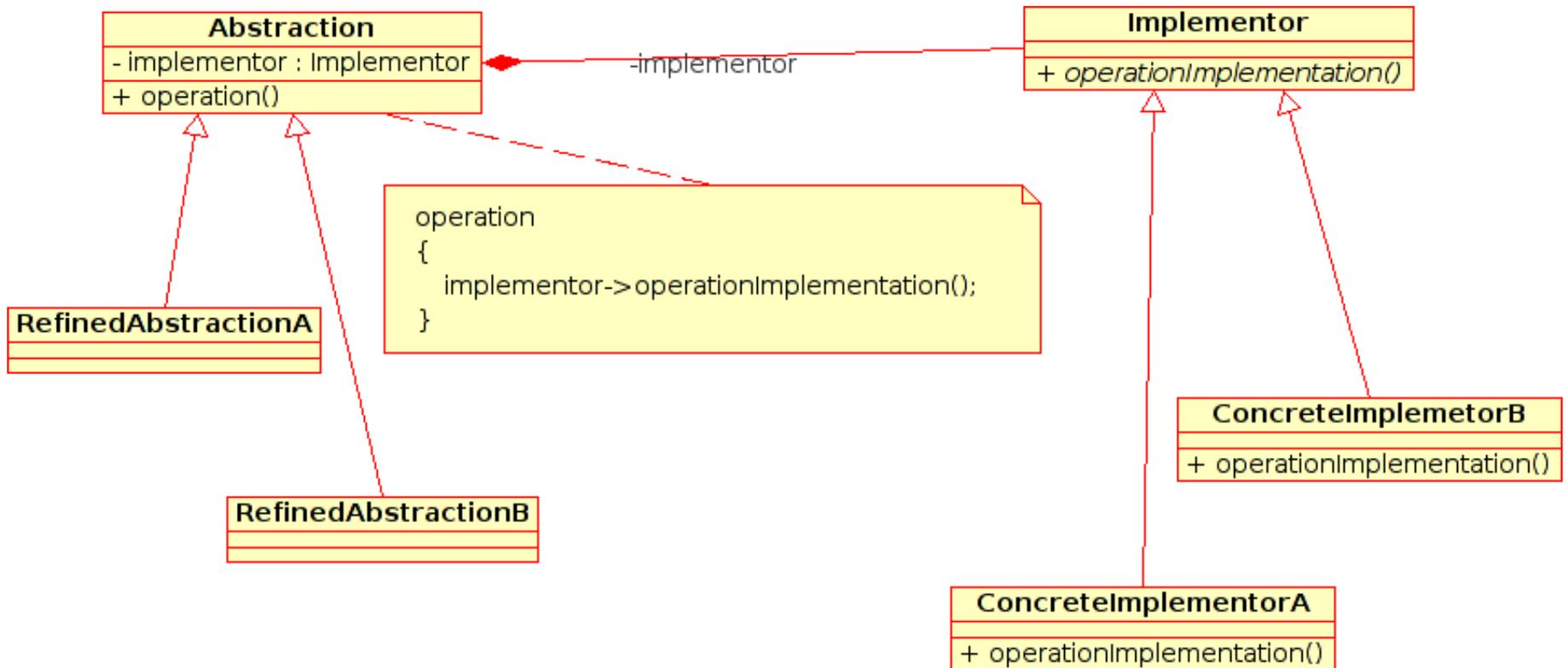
An alternative structure

■ Now there is less code to add when we either want to add a new platform or a new scheduler

Example

Bridge

Abstraction
- implementor : Implementor
+ operation()

Implementor
+ *operationImplementation()*

-implementor

```
operation
{
    implementor->operationImplementation();
}
```

RefinedAbstractionA

RefinedAbstractionB

ConcreteImplemetorB
+ operationImplementation()

ConcreteImplementorA
+ operationImplementation()

Example