

Exercise: Abstract Factory

Because each B.I.G. factory in each state develops its own components locally, as a result, quality control has been really lacking. The B.I.G factory in New Jersey is even wrapping slot machines in newspapers and shipping them to their customers. B.I.G's main office in Reno has decided to benefit from low wages in Reno by building component factories which are going to produce the components for each state, which are then shipped to each state where each slot machine will be assembled locally in a slot machine workshop.

Feel free to reuse some code from the previous assignment (E.g. slot and slotFactory can likely be reused).

For the individual components only implement a toString method e.g.

```
public interface Cabinet {
    public String toString();
}
```

```
public class smallCabinet implements Cabinet {
    public String toString() {
        return "A small cabinet";
    }
}
```

Use the following table for the regional differences:

	Straight	Bonus	Progressive
Nevada Cabinet Display Payment GPU OS	Large reels ticketinticketout ARM Linux	Small CRT ticketinticketout X86 Linux	Medium LCD ticketinticketout X77 Android
New Jersey Cabinet Display Payment GPU OS	Small LCD coins ARM Windows ME	Large reels coins ARM Windows ME	Small CRT bills X86 Windows XP
Washington Cabinet Display Payment GPU OS	Large reels bills ARM Linux	Medium VGA ticketinticketout ARM Symbian	Large reels coins ARM Android



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Assignments:

- 1) Reread the Abstract Factory example for the PizzaStore (page 148-161).
- 2) Start with a class diagram.
- 3) Using the book example try to implement a software system to support the development of slot machines using the Abstract Factory Method.