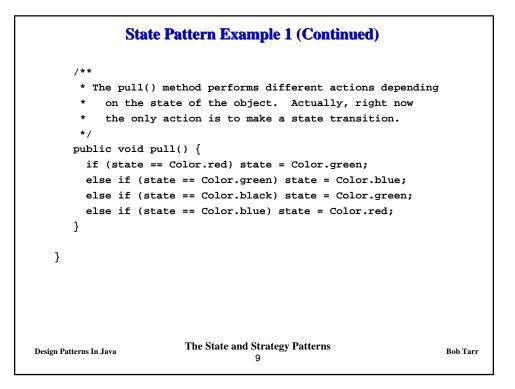
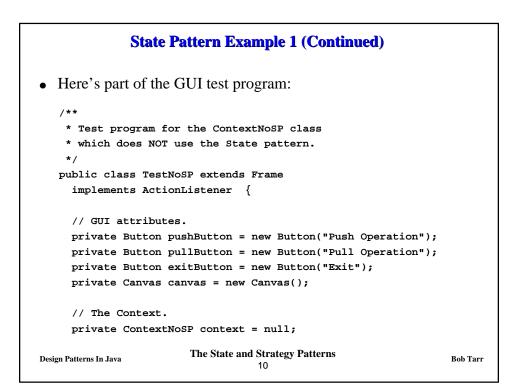


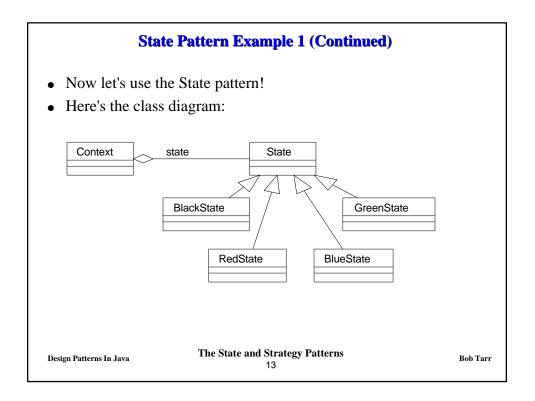
```
State Pattern Example 1 (Continued)
      // Returns the state.
      public Color getState() {return state;}
      // Sets the state.
      public void setState(Color state) {this.state = state;}
      /**
       * The push() method performs different actions depending
           on the state of the object. Actually, right now
       *
           the only action is to make a state transition.
       */
      public void push() {
        if (state == Color.red) state = Color.blue;
        else if (state == Color.green) state = Color.black;
        else if (state == Color.black) state = Color.red;
        else if (state == Color.blue) state = Color.green;
      }
                        The State and Strategy Patterns
Design Patterns In Java
                                                                  Bob Tarr
                                   8
```

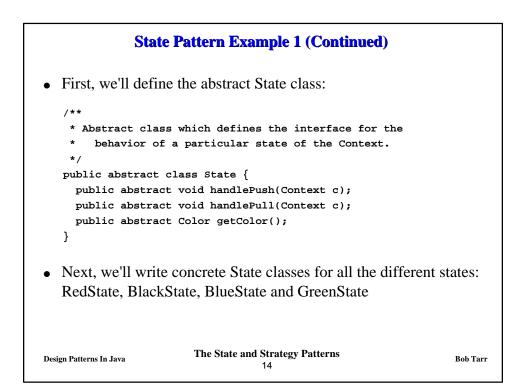


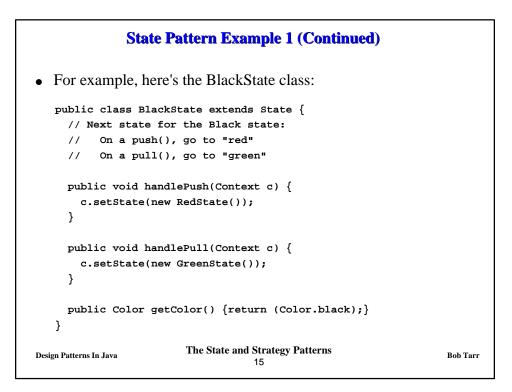


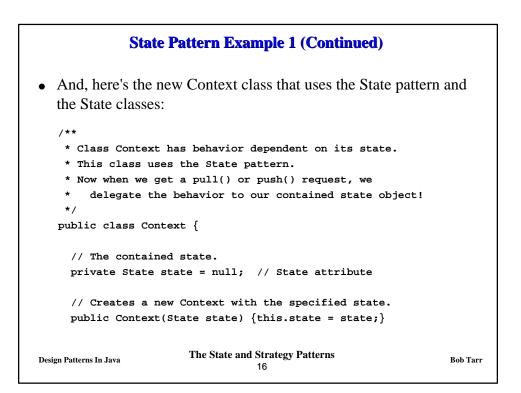
```
State Pattern Example 1 (Continued)
      public TestNoSP() {
        super("No State Pattern");
        context = new ContextNoSP();
        setupWindow();
      }
      private void setupWindow() { // Setup GUI }
      // Handle GUI actions.
      public void actionPerformed(ActionEvent event) {
        Object src = event.getSource();
        if (src == pushButton) {
          context.push();
          canvas.setBackground(context.getState());
        }
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Design Patterns In Java
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                                   11
```

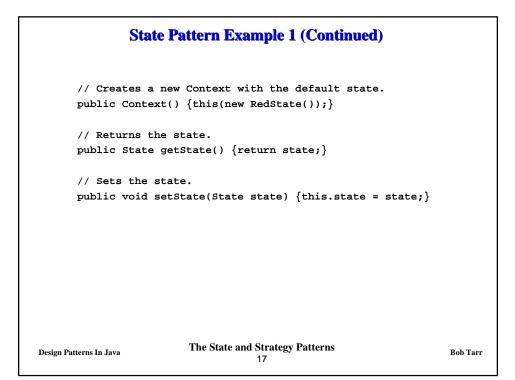
```
State Pattern Example 1 (Continued)
          else if (src == pullButton) {
            context.pull();
            canvas.setBackground(context.getState());
          }
          else if (src == exitButton) {
            System.exit(0);
        }
     }
     // Main method.
     public static void main(String[] argv) {
       TestNoSP gui = new TestNoSP();
       gui.setVisible(true);
     }
   }
                         The State and Strategy Patterns
Design Patterns In Java
                                                                    Bob Tarr
                                    12
```

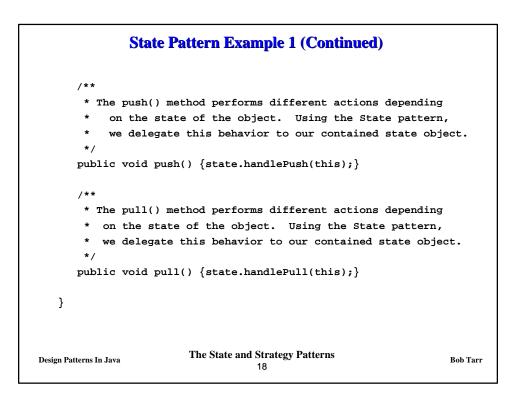


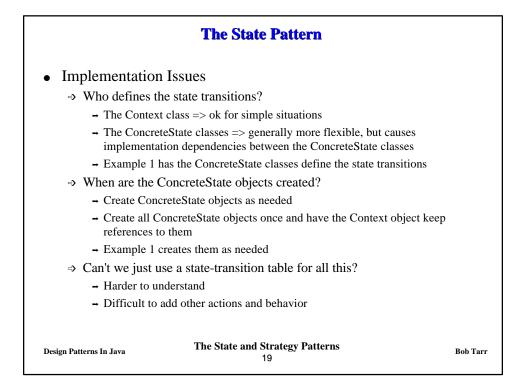


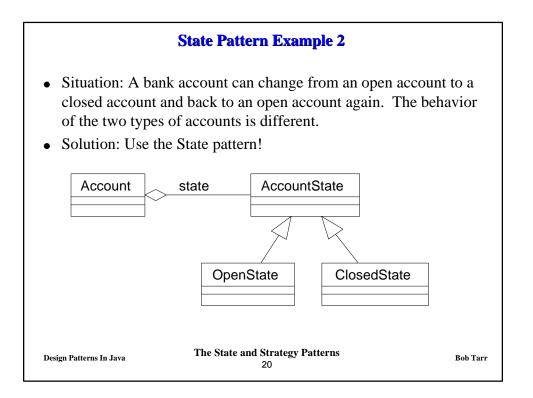


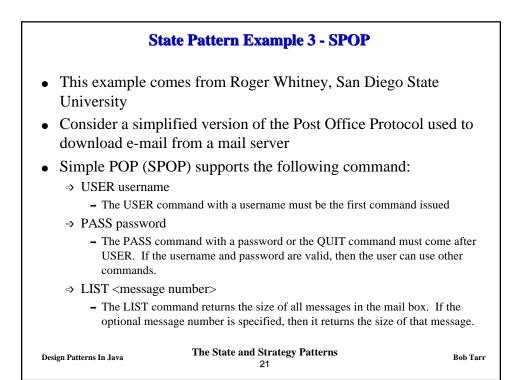


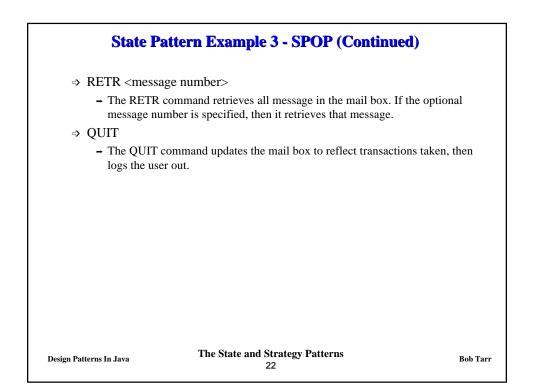


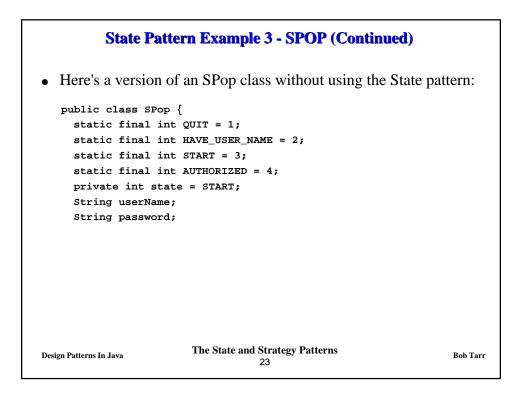


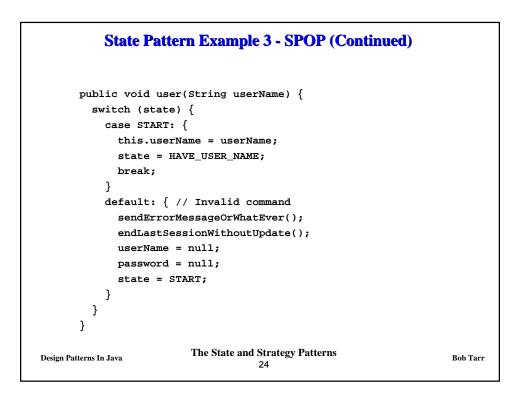


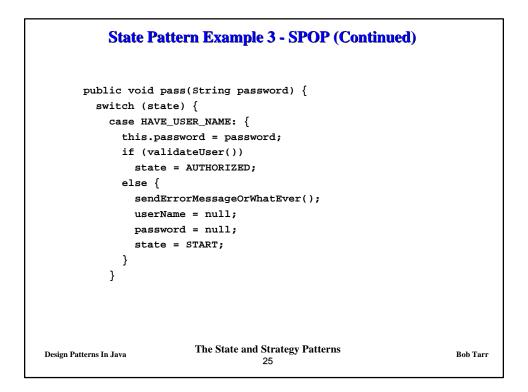


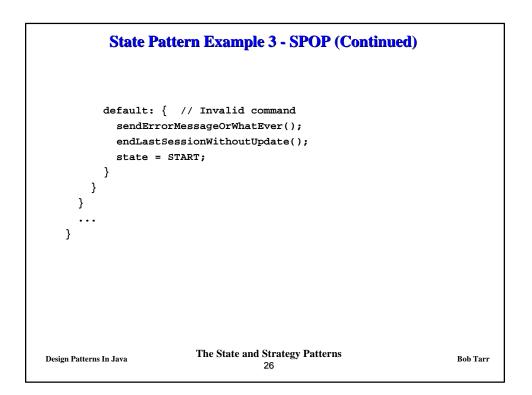


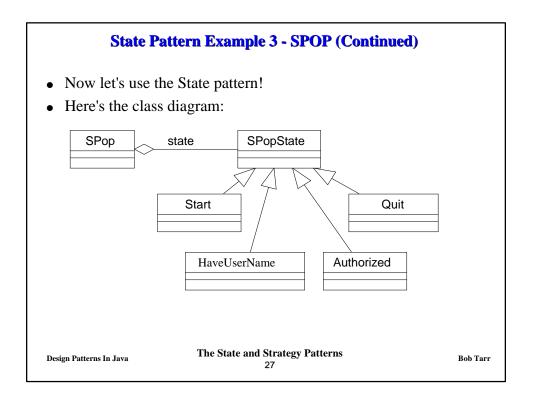


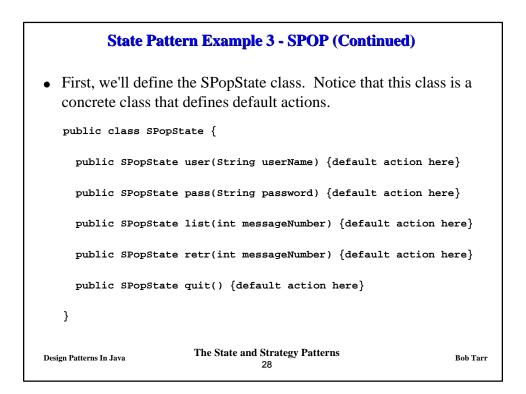


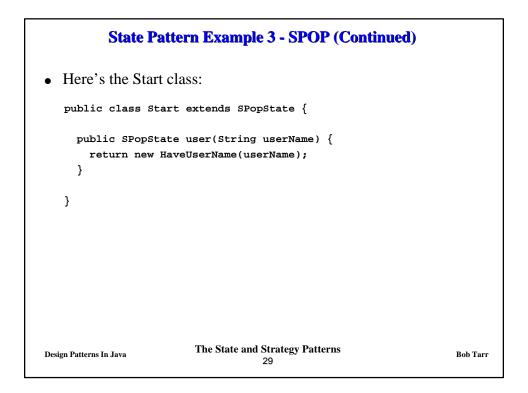


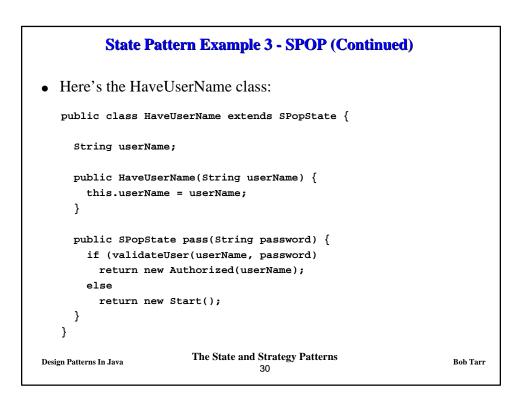


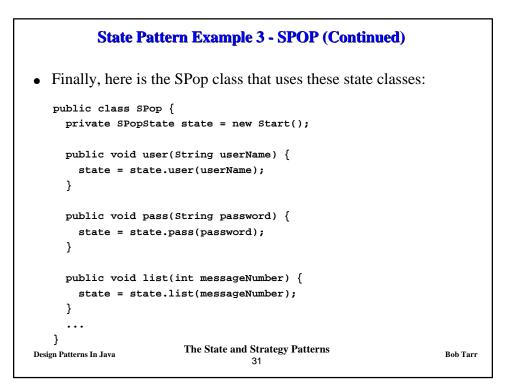


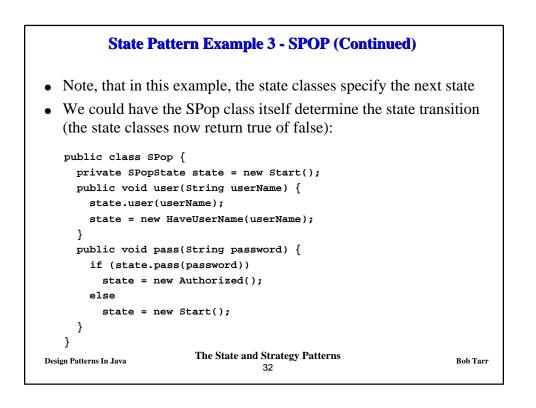


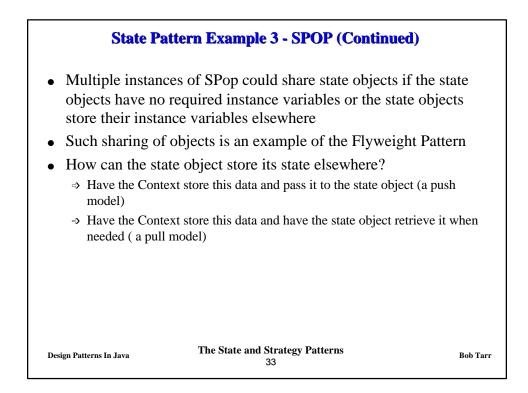












State Pattern Example 3 - SPOP (Continued)	
• Here's an example of the Context storing the to the state objects:	e state and passing it
<pre>public class SPop { private SPopState state = new Start(); String userName; String password;</pre>	
<pre>public void user(String newName) { this.userName = newName; state.user(newName); }</pre>	
<pre>public void pass(String password) { state.pass(userName, password); }</pre>	
} Design Patterns In Java The State and Strategy Patterns 34	Bob Tarr

