FortuneTeller

Allows a user to get a random fortune, with a ding sound.

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- **Course:** Period 6 AP CS, Ms. Litvin
- **Files:**
  - `FortuneTeller.java`
- **Due:** 12/10/2015

FortuneTeller.java

```java
/**
 * FortuneTeller
 * Tells a user a random fortune.
 *
 * @author  Rudd Fawcett
 * @course  Period 6 AP CS, Ms. Litvin
 * @due     2015-12-07
 */

import java.awt.Color;
import java.awt.Container;
import java.awt.FlowLayout;

import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;

import javax.swing.JFrame;
import javax.swing.JTextField;
import javax.swing.JButton;

public class FortuneTeller extends JFrame implements ActionListener {
    private JTextField display;

    private static final EasySound ding = new EasySound("ding.wav");

    private static String[] fortunes = {"Happiness will find you soon.", "I see great
    loss in the near future.", "You will do well on your next big task.", "I see a
    bright future in your midst.", "Continue trying, what you desire is closer than
    you think."};

    /**
     * Constructs a new FortuneTeller.
     * @return The FortuneTeller.
     */
    public FortuneTeller() {
        super("Fortune Teller");

        display = new JTextField("  Press \"Next\" to see your fortune...", 25);
        display.setBackground(Color.WHITE);
```

```java
        display.setEditable(false);

        JButton go = new JButton("Next");
        go.addActionListener(this);

        Container c = getContentPane();
        c.setLayout(new FlowLayout());
        c.add(display);
        c.add(go);
    }

    /**
     * Invoked when an action occurs.
     * @param e The action event.
     */
    public void actionPerformed(ActionEvent e) {
        int fortuneIndex = (int)(Math.random() * fortunes.length);

        display.setText("  " + fortunes[fortuneIndex]);
        ding.play();
    }

    public static void main(String[] args) {
        JFrame window = new FortuneTeller();
        window.setBounds(300, 300, 400, 100);
        window.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        window.setResizable(false);
        window.setVisible(true);
    }
}
```

`java FortuneTeller`

Fortune Teller

I see great loss in the near future. | Next