```
/**
* Oyetunde Oloyede
* CS 250 project
*/
import java.awt.BorderLayout;
import java.awt.CardLayout;
import java.awt.EventQueue;
import java.awt.FlowLayout;
import java.awt.HeadlessException;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JPanel;
import java.awt.Color;

public class SlideShow extends JFrame {

        //Declare Variables
        private JPanel slidePane;
        private JPanel textPane;
        private JPanel buttonPane;
        private CardLayout card;
        private CardLayout cardText;
        private JButton btnPrev;
        private JButton btnNext;
        private JLabel lblSlide;
        private JLabel lblTextArea;

        /**
         * Create the application.
         */
        public SlideShow() throws HeadlessException {
                initComponent();
        }

        /**
         * Initialize the contents of the frame.
         */
        private void initComponent() {
                //Initialize variables to empty objects
                card = new CardLayout();
                cardText = new CardLayout();
                slidePane = new JPanel();
                textPane = new JPanel();
```

```java
textPane.setBackground(Color.BLUE);
textPane.setBounds(5, 470, 790, 50);
textPane.setVisible(true);
buttonPane = new JPanel();
btnPrev = new JButton();
btnNext = new JButton();
lblSlide = new JLabel();
lblTextArea = new JLabel();

//Setup frame attributes
setSize(800, 600);
setLocationRelativeTo(null);
setTitle("Top 5 Destinations SlideShow");
getContentPane().setLayout(new BorderLayout(10, 50));
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

//Setting the layouts for the panels
slidePane.setLayout(card);
textPane.setLayout(cardText);

//logic to add each of the slides and text
for (int i = 1; i <= 5; i++) {
        lblSlide = new JLabel();
        lblTextArea = new JLabel();
        lblSlide.setText(getResizeIcon(i));
        lblTextArea.setText(getTextDescription(i));
        slidePane.add(lblSlide, "card" + i);
        textPane.add(lblTextArea, "cardText" + i);
}

getContentPane().add(slidePane, BorderLayout.CENTER);
getContentPane().add(textPane, BorderLayout.SOUTH);

buttonPane.setLayout(new FlowLayout(FlowLayout.CENTER, 20,
10));

btnPrev.setText("Previous");
btnPrev.addActionListener(new ActionListener() {

        @Override
        public void actionPerformed(ActionEvent e) {
                goPrevious();
        }
});
buttonPane.add(btnPrev);
```

```java
			btnNext.setText("Next");
			btnNext.addActionListener(new ActionListener() {

				@Override
				public void actionPerformed(ActionEvent e) {
					goNext();
				}
			});
			buttonPane.add(btnNext);

			getContentPane().add(buttonPane, BorderLayout.SOUTH);
	}

	/**
	 * Previous Button Functionality
	 */
	private void goPrevious() {
		card.previous(slidePane);
		cardText.previous(textPane);
	}

	/**
	 * Next Button Functionality
	 */
	private void goNext() {
		card.next(slidePane);
		cardText.next(textPane);
	}

	/**
	 * Method to get the images
	 */
	private String getResizeIcon(int i) {
		String image = "";
		if (i==1){
			image = "<html><body><img width= '800' height='500'
src='" + getClass().getResource("/resources/Amangiri Utah.jpg") +
"'</body></html>";
		} else if (i==2){
			image = "<html><body><img width= '800' height='500'
src='" + getClass().getResource("/resources/mii-amo-destination-spa-
outdoor-hike-02.jpg") + "'</body></html>";
		} else if (i==3){
			image = "<html><body><img width= '800' height='500'
src='" + getClass().getResource("/resources/The ranch.jpg") +
"'</body></html>";
```

```java
            } else if (i==4){
                    image = "<html><body><img width= '800' height='500'
src='" + getClass().getResource("/resources/Lake Austin Spa.jpg") +
"'</body></html>";
            } else if (i==5){
                    image = "<html><body><img width= '800' height='500'
src='" + getClass().getResource("/resources/Miraval Arizona Resort and
Spa.jpg") + "'</body></html>";
            }
            return image;
    }

    /**
     * Method to get the text values
     */
    private String getTextDescription(int i) {
            String text = "";
            if (i==1){
                    text = "<html><body><font size='5'>#1 Amangiri -
Canyon Point, Utah.</font> <br>Detox retreat oasis surrounded by Utah's
beautiful red rock terrain. </body></html>";
            } else if (i==2){
                    text = "<html><body><font size= '5'>#2 Mii Amo -
Sedona Arizona.</font> <br>Routed in Native American culture.
</body></html>";
            } else if (i==3){
                    text = "<html><body><font size= '5'>#3 The Ranch -
Malibu, California.</font> <br>A Renown Luxury Fitness, Health & Wellness
Retreat. </body></html>";
            } else if (i==4){
                    text = "<html><body><font size= '5'>#4 Lake Austin
Spa Resort  Austin, Texas.</font> <br>An Intimate Hideaway Where
Extraordinary Experiences Begin </body></html>";
            } else if (i==5){
                    text = "<html><body><font size= '5'>#5 Miraval Arizona
Resort and Spa</font> <br>A Sonoran Desert sanctuary situated on 400
acres, featuring the majestic Catalina Mountains as your inspired view.
</body></html>";
            }
            return text;
    }

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
```

```java
EventQueue.invokeLater(new Runnable() {

    @Override
    public void run() {
        SlideShow ss = new SlideShow();
        ss.setVisible(true);
    }
});
    }
}
```