#### Eric Wilson Project #6

### PhotoViewerController.java

```
public PhotoViewerController() {
    readCollection();
   photoView.disablePrev();
        photoView.disableDelete();
    else if (collection.getCollectionSize() > 0)
        public void actionPerformed(ActionEvent actionEvent) {
                maxImages = collection.getCollectionSize();
                photoView.updatePhotoCount(maxImages);
```

```
photoView.disableDelete();
            maxImages = collection.getCollectionSize();
            maxImages = collection.getCollectionSize();
            photoView.disablePrev();
photoView.addAddActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
        if (returnVal == JFileChooser.APPROVE OPTION) {
            File file = fc.getSelectedFile();
                img = ImageIO.read(file);
                e.printStackTrace();
photoView.saveAddActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent actionEvent) {
```

```
photoView.nextAddActionListener(new ActionListener() {
           public void actionPerformed(ActionEvent actionEvent) {
                System.out.print(photoView.getDescField());
photoView.updateDisplayPhoto(collection.getPhoto(currentImage));
photoView.setDescField(collection.getDescription(currentImage));
               photoView.updatePhotoCount(maxImages);
       photoView.maintAddActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent actionEvent) {
```

```
public JFrame getFrame() {
        collection = (PhotoCollection)ObjIn.readObject();
        e.printStackTrace();
private void writeCollection() {
   JFrame frame = new PhotoViewerController().getFrame();
   frame.setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
```

# PhotoViewerLayout.java

```
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.io.BufferedReader;
import java.io.InputStreamReader;
import javax.swing.*;

public class PhotoViewerLayout extends JFrame{
    JButton deleteButton = new JButton("Delete");
```

```
JButton saveButton = new JButton("Save Changes");

JButton addButton = new JButton("Add Photo");

JButton prevButton = new JButton("<prev");

JButton nextButton = new JButton("next>");

ImageIcon image = new ImageIcon();

JLabel imageLabel = new JLabel("", SwingConstants. CENTER);

JMenuItem browseMode = new JMenuItem("Browse Mode");

JMenuItem maintMode = new JMenuItem("Maintenance Mode");

JTextField pictureNumberTextField = new JTextField("3",4);

JLabel pictureCountLabel = new JLabel(" of 3");

JTextField dateTextField = new JTextField("1/1/2014");

JTextArea descriptionTextArea = new JTextArea("jklkjhkl",4,
```

```
public String getDescField() {
```

## PhotoCollection.java

```
import javax.swing.*;
import java.io.*;
```

```
public void addPhoto(ImageIcon image) {
public void deletePhoto(int index) {
public String getDescription(int index){
```

### Photograph.java

```
import javax.swing.*;
import java.io.Serializable;

/**
    * Created by EW043872 on 10/6/2015.
    */
public class Photograph implements Serializable {
    ImageIcon image = new ImageIcon();
    String date = new String("");
    public String description = new String("");

    Photograph(ImageIcon img) {
        image = img;
    }
}
```

```
Photograph(){}

public void setImage(ImageIcon img){
    image = img;
}

public ImageIcon getImage(){
    return image;
}

public void setDate(String dat ){
    date = dat;
}

public String getDate(){
    return date;
}

public void setDescription(String desc){
    description = desc;
}

public String getDescription(){
    return description;
}
```







