

SUBJECT::

JAVA TECHNOLOGY(JT)

PROJECT TITLE: MUSIC GALLERY.

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ABSTRACT:::

'MUSIC GALLERY' is an Applet- based Application , meant for relaxing one's mind and soul.

DISCRIPTION:::

As mentioned , 'MUSIC GALLERY' is an Applet –based Program. It resembles any online song website available(mp3yug.com,songs.pk,etc). When user runs the Application , it displays the Applet window. This Applet window provides user with a list of movies. User needs to select the movie that he likes; to get a list of songs , available, of that movie. Now user needs to click "GO" button. When done, a list of songs corresponding to that movie are displayed. When user selects a song from list by clicking it , Frame appears , providing user to select from, 'PLAY', 'PLAY CONTINUOUSLY', 'STOP'. These options allows user to perform respective action on selected song. At any point of time, the user can perform any one of the three actions on selected song. Thus, 'MUSIC GALLERY' serves as an 'MIND REFRESHING' utility.

TECHNICAL SPECIFICATION:::

'MUSIC GALLERY' is an Applet -based Application. It makes use of:

- 1.Java Frames,
- 2.AudioClip utility of Applet,
- 3.JDBC.

Classes used are:

1.MainSongApplet is Main class,

2.SongPlayFrame is for Frame.

CODE::::

```
package newpackage;
```

```
import java.applet.Applet;
```

```
import java.awt.Button;
```

```
import java.awt.Choice;
```

```
import java.awt.Color;
```

```
import java.awt.Cursor;
```

```
import java.awt.Dimension;
```

```
import java.awt.FlowLayout;
```

```
import java.awt.Font;
```

```
import java.awt.Graphics;
```

```
import java.awt.GridLayout;
```

```
import java.awt.BorderLayout;
```

```
import java.awt.Label;
```

```
import java.awt.event.ActionEvent;
```

```
import java.awt.event.ActionListener;
```

```
import java.awt.event.ItemEvent;
```

```
import java.awt.event.ItemListener;
```

```
import java.awt.image.BufferedImage;

import java.awt.List;

import javax.swing.ImageIcon;

import javax.swing.JLabel;

import javax.swing.JPanel;

import sun.net.www.content.image.gif;

import java.sql.*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.ButtonGroup;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JRadioButton;


import java.applet.AudioClip;

import java.net.*;

import java.awt.event.*;

import java.awt.*;

/**

 *

 <applet code="MainSongApplet" width=1000 height=1000>

 * </applet>

 */
```

```
public class MainSongApplet extends Applet implements ItemListener,ActionListener{

    Choice movieName;

    String movieSelected="";

    Button findSongs;

    List songList;

    SongPlayFrame frame;

    Dimension size=new Dimension(200,300);


    String search;

    String tname;


    Connection con = null;

    Statement stmt = null;

    ResultSet rs = null;


    AudioClip currsong,prevsong;

    int prevSongFlag=0;

    URL songsurl;


    @Override

    public void init()

    {

        movieName=new Choice();

        findSongs=new Button("GO");
```

```
findSongs.setActionCommand("GO");

resize(1300,1300);

//setBackground(Color.CYAN);

setLayout(new GridLayout(3,1));

ImageIcon icon = new ImageIcon("src/newpackage/Images/smileymain.gif");

//BufferedImage myimage= new BufferedImage(100,100,);

JPanel p1=new JPanel();

p1.setBackground(Color.ORANGE);

JPanel p2=new JPanel();

p2.setBackground(Color.ORANGE);

JPanel p3=new JPanel(new FlowLayout(FlowLayout.LEFT,30,10));

p3.setBackground(Color.ORANGE);

JLabel l1=new JLabel( icon, JLabel.CENTER);

p1.add(l1);

JLabel l2=new JLabel("SHREE's MUSIC GALLERY",JLabel.CENTER );

Font myFont = new Font(Font.SANS_SERIF,Font.BOLD+Font.ITALIC,75);

l2.setFont(myFont);

p2.add(l2);

//JPanel p4=new JPanel(new GridLayout(1,4));
```

```
//p4.setBackground(Color.ORANGE);

//setLayout(new FlowLayout(FlowLayout.LEADING,30,50));

ImageIcon minilcon=new ImageIcon("src/newpackage/Images/smileyicon.gif");

JLabel imageLabel = new JLabel(minilcon);

JLabel textLabel = new JLabel("Select Movie");

Font textFont = new Font(Font.SERIF,Font.ITALIC,30);

textLabel.setFont(textFont);


p3.add(imageLabel);

p3.add(textLabel);


movieName.add("");

movieName.add("Aaja Nachle");

movieName.add("Agneepath");

movieName.add("Jannat");

movieName.add("Mere Bother ki Dulhan");

movieName.add("Murder2");


p3.add(movieName);

p3.add(findSongs);


//p3.add(p4);


songList= new List(8,false) ;
```

```
songList.add("");
```

```
//songList.setCursor(Cursor.HAND_CURSOR);
```

```
p3.add(songList);
```

```
add(p1);
```

```
add(p2);
```

```
add(p3);
```

```
movieName.addItemListener(this);
```

```
findSongs.addActionListener(this);
```

```
songList.addActionListener(this);
```

```
try {
```

```
    Class.forName("com.mysql.jdbc.Driver");
```

```
    con = DriverManager.getConnection("jdbc:mysql://localhost:3306/musicGallery","root","");
```

```
    con.setAutoCommit(false);
```

```
    stmt = con.createStatement();
```

```
}catch (Exception ex) {
```

```
    ex.printStackTrace();
```

```
}
```



```
try{

    songsurl= new URL("file:C:/Documents and Settings/global infosys/My
Documents/NetBeansProjects/SwingDemo/build/classes/song_base/");

    }catch(MalformedURLException e)

    {

        e.printStackTrace();

    }

    frame= new SongPlayFrame((this.getWidth())/3,(this.getHeight())/4);

    frame.setVisible(false);

    frame.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);

}

public void itemStateChanged(ItemEvent ie)

{

    movieSelected=movieName.getSelectedItemAt();

    System.out.println(movieSelected);

}

public void actionPerformed(ActionEvent ae)

{

    //System.out.println(ae.getSource());

    //Button find=(Button)ae.getSource();

    //if(find.getLabel()=)
```

```
frame.dispose();

//frame.setVisible(frame.isDisplayable());

if(ae.getActionCommand().equals("GO"))

{

    songList.setCursor(new Cursor(Cursor.HAND_CURSOR));

    songList.removeAll();

    if(movieSelected.equalsIgnoreCase(""))

    {

        songList.add("No movie selected");

    }

    else

    {

        try{

            search="Select * from mov_list where Name='"+movieSelected+"'";

            rs = stmt.executeQuery(search);

            rs.next();

            tname=rs.getString(1);

            search="Select * from "+tname;

            rs= stmt.executeQuery(search);

            rs.next();

            do{

                String sr_no = rs.getString(1);

                String name = rs.getString(2);

                String record= sr_no+"."+name;
```

```
        songList.add(record);

    }while(rs.next());

    System.out.println(tname);

}catch(Exception e)

{

    e.printStackTrace();

}

}

else

{

    if(!ae.getActionCommand().equals("No movie selected"))

    {

        if(prevSongFlag==1)

        {

            prevsong.stop();

        }

        String songname=ae.getActionCommand()+".wav";

        frame.setTitle(songname);

        currsong=getAudioClip(songsurl,songname);

        prevsong=currsong;

        prevSongFlag=1;
```

```

frame.currsong=currsong;

frame.setVisible(true);

String pathName,pathSearch;

pathSearch="Select Path from "+tname+" where Name='"+ae.getActionCommand()+"'";

try{

    //rs= stmt.executeQuery(pathSearch) ;

    //rs.next();

    //pathName=rs.getString("Path");

    //System.out.println(pathName);

}catch(Exception e)

{

    e.printStackTrace();

}

}

}

}

public void stop()

{

    System.out.println("appletStop");

    try{

        con.commit();

        con.close();

    }catch(Exception e)

```

```
{
    e.printStackTrace();
}
}
```



```
}

class SongPlayFrame extends JFrame implements AudioClip
{
    public SongPlayFrame(int w, int h)
    {

        setSize(DEFAULT_WIDTH,DEFAULT_HEIGHT);

        setLocation(w,h);

        setBackground(Color.white);

        setCursor(new Cursor(Cursor.HAND_CURSOR));

        label=new JLabel("What do you wish to do??",JLabel.CENTER);

        label.setFont(new Font("Serif",Font.BOLD,DEFAULT_SIZE)) ;

        //JPanel p=new JPanel();

        //p.add(label, 30);

        add(label,BorderLayout.CENTER);
    }
}
```

```
        buttonPanel = new JPanel();

        group=new ButtonGroup();

        addOption("Play Once");

        addOption("Play in Loop");

        addOption("Stop");

        add(buttonPanel,BorderLayout.SOUTH);

        /* MyWindowHandler windowHandler = new MyWindowHandler(this);

        addWindowListener(windowHandler);*/
    }

    public void addOption(String name)
    {
        boolean selected= name.equalsIgnoreCase("Play Once");

        JRadioButton button = new JRadioButton(name, selected);

        group.add(button);

        buttonPanel.add(button);

        ActionListener listener=new ActionListener()

        {

            public void actionPerformed(ActionEvent e) {
```

```
        if(e.getActionCommand().equalsIgnoreCase("Play Once"))
        {
            play();

            System.out.println("play clicked songNo:"+songcounter);

            //JFrame playFrame= new newpackage.playFrame.getInstance();

            //playFrame.setVisible(true);
        }
        else if(e.getActionCommand().equalsIgnoreCase("Play in Loop"))
        {
            loop();

            System.out.println("Play in Loop");

            //JFrame downloadFrame= new newpackage.downloadFrame.getInstance();

            //downloadFrame.setVisible(true);
        }
        else
        {

            stop();

            System.out.println("Stop");
        }
    }

};

button.addActionListener(listener);
}
```

```
public void play()
{
    currsong.play();
    songcounter++;
}

public void loop()
{
    currsong.loop();
    songcounter++;
}

public void stop()
{
    currsong.stop();
}
```


SNAPSHOTS::::



