package lte;

import java.io.File;

import java.io.IOException;

import java.net.MalformedURLException;

import java.net.URISyntaxException;

import java.net.URL;

import java.util.ResourceBundle;

import javafx.application.Platform;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

import javafx.embed.swing.JFXPanel;

import javafx.event.ActionEvent;

import javafx.fxml.FXML;

import javafx.fxml.Initializable;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.ProgressBar;

import javafx.scene.control.ProgressIndicator;

import javafx.scene.control.SplitPane;

import javafx.scene.control.TableColumn;

import javafx.scene.control.TableView;

import javafx.scene.control.TextArea;

import javafx.scene.control.TextField;

import javafx.scene.control.cell.PropertyValueFactory;

import javafx.scene.input.MouseEvent;

import javafx.scene.layout.Background;

import javafx.scene.layout.StackPane;

import javafx.scene.media.Media;

import javafx.scene.media.MediaView;

public class UserController extends Thread implements Initializable

{

int count=0;

Observer o = new Observer();

RandomClass rc = new RandomClass();

@FXML

public Label user;

@FXML

public Label location;

@FXML

public TextArea availablevideo;

@FXML

public TextField wantvideo;

@FXML

public ProgressBar downloadrange;

@FXML

public ProgressIndicator progressind;

@FXML

public StackPane videoplay;

@FXML

public Label portn;

@FXML

public Label ram;

@FXML

public Label strram;

@FXML

public SplitPane split;

@FXML

public Label memory;

@FXML

public Label strmemory;

@FXML

public Label selectvideo;

@FXML

public Label time;

@FXML

public Label video1;

@FXML

public Button pausee;

private int VID\_WIDTH = 320;

private int VID\_HEIGHT = 180;

private int PLAYER\_WIDTH = 320;

private int PLAYER\_HEIGHT = 265;

Media clip ;

javafx.scene.media.MediaPlayer player;

MediaView mediaView ;

public ObservableList<servervideoslist>servervideos;

@FXML

public TableView<servervideoslist> availvideos;

@FXML

public TableColumn<servervideoslist, String> Columnvideo;

ProgressBind bb = new ProgressBind();

usermultireceiver umr;

SingleReceiver sr;

@FXML

private void handleButtonAction(ActionEvent event) throws IOException

{

sr.send("PLAY",wantvideo.getText().toString().trim(),user.getText().toString().trim(),location.getText().toString().trim());

}

@FXML

private void reqvideos(ActionEvent event) throws IOException

{

sr.availvideo(user.getText().toString(),location.getText().toString());

}

@FXML

private void selectvideo(MouseEvent event) throws IOException

{

int video = availvideos.getSelectionModel().getSelectedIndex();

String a = servervideos.get(video).getColumnvideo();

System.out.println("a==============================>"+a);

wantvideo.setText(a);

}

@FXML

private void reqdownload(ActionEvent event) throws IOException

{

String v = wantvideo.getText().toString().trim();

selectvideo.setText(v);

downloadrange.setDisable(false);

progressind.setDisable(false);

downloadrange.setProgress(-1.0);

progressind.setProgress(-0.1);

sr.send("DOWNLOAD",wantvideo.getText().toString().trim(),user.getText().toString().trim(),location.getText().toString().trim());

}

@FXML

public void videopause(ActionEvent event) throws IOException

{

if(count==0)

{

player.pause();

pausee.setText("Resume");

count=1;

}

else if(count==1)

{

player.play();

pausee.setText("Pause");

count=0;

}

}

@FXML

public void videoresume(ActionEvent event) throws IOException

{

videoplay.setStyle("-fx-background-color: black;");

player.dispose();

}

@Override

public void initialize(URL url, ResourceBundle rb)

{

wantvideo.setPromptText("Select video");

downloadrange.setDisable(true);

progressind.setDisable(true);

String sysno = rc.sysname();

String portno = rc.portn();

String ramvalue = rc.trafficlevel();

String memvalue = rc.trafficlevel();

strram.setText(ramvalue);

strmemory.setText(memvalue);

portn.setText(portno);

String nodename = rc.nodename();

user.setText(nodename);

location.setText(FXMLDocumentController.userlocation);

umr = new usermultireceiver(nodename, sysno, portno, this);

usermultisender ums = new usermultisender(nodename, sysno, portno);

sr = new SingleReceiver(nodename, sysno, portno, this, umr);

time.textProperty().bindBidirectional(o.getterdownloadtime());

progressind.progressProperty().bindBidirectional(bb.getterinproperty());

// servervideos availablevideo.textProperty().bindBidirectional(o.getteravailablesourcevideo());

downloadrange.progressProperty().bindBidirectional(bb.getterproperty());

servervideos = FXCollections.observableArrayList(new servervideoslist());

Columnvideo.setCellValueFactory(new PropertyValueFactory<servervideoslist, String>("Columnvideo"));

availvideos.setItems(servervideos);

}

public Observer getObserver()

{

return o;

}

public ProgressBind getProgressBind()

{

return bb;

}

public void videoplay(String path,String videoname) throws MalformedURLException, URISyntaxException

{

// String VIDUR =path+"\\"+videoname;

String VIDURL=path.replace("\\", "/");

File ff = new File(VIDURL);

System.out.println("=============>"+VIDURL);

final String vurl = "file:///"+VIDURL;

System.out.println("=============>"+vurl);

final JFXPanel panel = new JFXPanel();

Platform.runLater(new Runnable()

{

@Override

public void run()

{

initFX(panel, vurl);

}

});

}

private void initFX(JFXPanel panel, String url)

{

clip = new Media(url);

player= new javafx.scene.media.MediaPlayer(clip);

mediaView = new MediaView(player);

mediaView.setFitWidth(VID\_WIDTH);

mediaView.setFitHeight(VID\_HEIGHT);

mediaView.getMediaPlayer().play();

mediaView.setSmooth(true);

videoplay.getChildren().addAll(mediaView);

}

//

}