package ödev\_3;

class stack{

String isim="";

int length=0;

public void push(String newValue, String[] array, int length){

array[length]=newValue;

++length;

this.length=length;

System.out.println(isim+"isimli yığıta eklendi"+ newValue);

}

public String pop(String array[], int length){

if(length!=0){

--length;

this.length=length;

return array[length];

}return "null";

}

public boolean isEmpty(){

return length==0;

}}

package ödev\_3;

import java.awt.BorderLayout;

import java.awt.GridLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.KeyEvent;

import java.awt.event.KeyListener;

import javax.swing.JButton;

import javax.swing.JPanel;

import javax.swing.JTextArea;

public class Odev3Gui extends javax.swing.JFrame {

String textAreaText="";

String tempText="";

String [] undoStack=new String[255];

String [] redoStack=new String[255];

stack undoS=new stack();

stack redoS=new stack();

protected JTextArea textArea=new JTextArea(15,20);

protected JButton undoButton=new JButton("undo");

protected JButton redoButton=new JButton("redo");

protected JButton saveButton=new JButton("save");

public Odev3Gui() {

initComponents();

undoS.isim="geri";

redoS.isim="ileri";

undoButton.setEnabled(false);

redoButton.setEnabled(false);

saveButton.setEnabled(false);

JPanel buttonPanel=new JPanel(new GridLayout());

buttonPanel.add(undoButton);

buttonPanel.add(redoButton);

JPanel buttonPanel2=new JPanel(new GridLayout());

buttonPanel2.add(saveButton);

getContentPane().add(buttonPanel, BorderLayout.NORTH);

getContentPane().add(textArea, BorderLayout.CENTER);

getContentPane().add(buttonPanel2, BorderLayout.SOUTH);

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setSize(400,300);

setVisible(true);

redoButton.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent ae) {

try{

tempText=redoS.pop(redoStack,redoS.length);

textArea.setText(textArea.getText()+tempText);

undoS.push(tempText, undoStack, undoS.length);

undoButton.setEnabled(true);

if(redoS.isEmpty()){

redoButton.setEnabled(false);

}

}catch(Exception cre){

}}

});

saveButton.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent ae) {

try{

saveButton.setEnabled(true);

redoS.length=0;

undoS.length=0;

redoButton.setEnabled(false);

undoButton.setEnabled(false);

}catch(Exception cre){

}}

});

textArea.addKeyListener(new KeyListener(){

public void keyTyped(KeyEvent e){

if(!undoButton.isEnabled()){

undoButton.setEnabled(true);

}

if(!saveButton.isEnabled()){

saveButton.setEnabled(true);

}

textAreaText+=e.getKeyChar();

if(e.getKeyChar()==' '){

undoS.push(textAreaText, undoStack, undoS.length);

textAreaText="";

}

}

public void keyPressed(KeyEvent e){

}

@Override

public void keyReleased(KeyEvent ke) { }

});}

public static void main(String args[]) {

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

public void run() {

new Odev3Gui().setVisible(true); }

}); }

}