**Advanced Screen Keyboard**

**import** java.awt.\*;

**import** java.awt.event.\*;

**import** javax.swing.\*;

**public** **class** ScreenKeyboard **extends** JFrame **implements** ActionListener {

**private** JButton[] buttons;

**private** JButton spaceButton;

**private** JTextField mainTextField;

**private** String[]text = {"q","w","e","r","t","y","u","ı","backspace","o","p","ğ","ü","a","s","d","f","g","shift","h","j","k","l","ş","i","z","x","c","v","b","n","m","ö","ç"};

**private** JPanel mainPanel,buttonPanel;

**private** Font f = **new** Font("Verdana", Font.***BOLD***, 64);

**private** **boolean** shiftButton = **false**;

**public** ScreenKeyboard() {

**super**("Screen Keyboard");

//Yukarıya bir text field daha eklenicek, Başka bir panel daha eklenicek. Ekran klavyesi gibi olucak

//birazdaha geliştirebiliriz

mainTextField = **new** JTextField();

mainTextField.setFont(f);

mainTextField.setEnabled(**false**);

mainTextField.setHorizontalAlignment(JTextField.***CENTER***);

spaceButton = **new** JButton("space");

spaceButton.addActionListener(**this**);

spaceButton.setSize(40,800);

mainPanel=**new** JPanel();

buttonPanel = **new** JPanel();

mainPanel.setLayout(**new** GridLayout(3,1));

buttonPanel.setLayout(**new** GridLayout(4,9));

add(mainPanel);

mainPanel.add(mainTextField);

buttons = **new** JButton[text.length];

**for**(**int** i =0; i<buttons.length;i++) {

buttons[i] = **new** JButton(text[i]);

buttonPanel.add(buttons[i]);

buttons[i].addActionListener(**this**);

}

mainPanel.add(buttonPanel);

mainPanel.add(spaceButton);

setVisible(**true**);

setSize(800,500);

setLocationRelativeTo(**null**);

}

**public** **static** **void** main(String[] args) {

**new** ScreenKeyboard();

}

@Override

**public** **void** actionPerformed(ActionEvent e) {

**if**(e.getActionCommand()=="backspace") {

String myText = mainTextField.getText();

**if** (myText.length()>=0) {

mainTextField.setText(myText.substring(0,myText.length()-1));

}

} **else** **if**(e.getActionCommand()=="shift"){

shiftButton=**true**;

} **else** **if**(e.getActionCommand()=="space") {

mainTextField.setText(mainTextField.getText()+" ");

}

**else** {

**if** (shiftButton) {

mainTextField.setText(mainTextField.getText()+e.getActionCommand().toUpperCase());

shiftButton=**false**;

} **else** {

mainTextField.setText(mainTextField.getText()+e.getActionCommand());

}

}

}

}

