1. **Coding**
   1. GUI

/\*\*

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\*\*/

import javax.swing.\*;

import java.awt.event.\*;

class Mygui extends JFrame {

/\* Mainmenu and Submenu \*/

JMenuBar mainmenu = new JMenuBar();

JMenu menu\_file = new JMenu("File");

JMenuItem submenu\_exit = new JMenuItem("Exit");

JMenu menu\_data = new JMenu("Data");

JMenuItem submenu\_mhs = new JMenuItem("Data Mahasiswa");

JMenu menu\_about = new JMenu("About");

JMenuItem submenu\_about = new JMenuItem("About Us");

Myform getForm = new Myform();

public Mygui() {

setTitle("Putra Sudaryanto | 12111075");

setLocation(300,100);

setSize(420,250);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

public void render() {

/\* Set Mainmenu and Submenu \*/

setJMenuBar(mainmenu);

mainmenu.add(menu\_file);

menu\_file.add(submenu\_exit);

mainmenu.add(menu\_data);

menu\_data.add(submenu\_mhs);

mainmenu.add(menu\_about);

menu\_about.add(submenu\_about);

setVisible(true);

}

public void event() {

submenu\_exit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

System.exit(0);

}

});

submenu\_mhs.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

getForm.render();

getForm.event();

}

});

submenu\_about.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

JOptionPane.showMessageDialog(null, "<html>Powered by Putra Sudaryanto<br/><a href='http://www.putra.ommu.co'>www.putra.ommu.co</a></html>","About",JOptionPane.INFORMATION\_MESSAGE);

}

});

}

public static void main(String[]args) {

Mygui g = new Mygui();

g.render();

g.event();

}

}

* 1. Form and Event

/\*\*

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\*\*/

import javax.swing.\*;

import java.awt.event.\*;

class Myform extends JFrame {

JTextField sinField = new JTextField(8);

JTextField nameField = new JTextField(32);

JTextField addressField = new JTextField(128);

JTextField emailField = new JTextField(32);

JTextField facebookField = new JTextField(64);

JTextField phoneField = new JTextField(15);

JRadioButton male = new JRadioButton("Male");

JRadioButton female = new JRadioButton("Female");

ButtonGroup gender = new ButtonGroup();

String[] list\_agama = {"","Islamic","Katholic","Christian","Budhis","Hindu","Konghucu"};

JComboBox opt\_agama = new JComboBox(list\_agama);

JCheckBox watch\_tv = new JCheckBox("Watch TV");

JCheckBox sleeping = new JCheckBox("Sleeping");

JTextArea textView = new JTextArea();

JButton buttonSave = new JButton("SAVE");

JButton buttonExit = new JButton("EXIT");

public Myform() {

setTitle("Form Data Mahasiswa");

setLocation(320,120);

setSize(720,530);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

public void render() {

/\* Form \*/

JPanel prop = new JPanel();

prop.setLayout(null);

prop.add(new JLabel("NIM")).setBounds(10, 10, 100, 25);

prop.add(new JLabel(": 12111075")).setBounds(100, 10, 200, 25);

prop.add(new JLabel("Nama")).setBounds(10, 40, 100, 25);

prop.add(new JLabel(": Dwi Putra Sudaryanto")).setBounds(100, 40, 200, 25);

prop.add(new JLabel("E-Learning (Identity)")).setBounds(120, 80, 200, 25);

prop.add(new JLabel("SIN")).setBounds(10, 120, 100, 25);

prop.add(sinField).setBounds(100, 120, 150, 25);

prop.add(new JLabel("Name")).setBounds(10, 150, 100, 25);

prop.add(nameField).setBounds(100, 150, 200, 25);

prop.add(new JLabel("Address")).setBounds(10, 180, 100, 25);

prop.add(addressField).setBounds(100, 180, 280, 25);

prop.add(new JLabel("Gender")).setBounds(10, 210, 100, 25);

prop.add(male).setBounds(100, 210, 70, 25);

prop.add(female).setBounds(180, 210, 70, 25);

gender.add(male);

gender.add(female);

prop.add(new JLabel("Religion")).setBounds(10, 240, 100, 25);

prop.add(opt\_agama).setBounds(100, 240, 150, 25);

prop.add(new JLabel("Hobby")).setBounds(10, 270, 100, 25);

prop.add(watch\_tv).setBounds(100, 270, 200, 25);

prop.add(sleeping).setBounds(100, 290, 200, 25);

prop.add(new JLabel("E-Mail")).setBounds(10, 320, 100, 25);

prop.add(emailField).setBounds(100, 320, 200, 25);

prop.add(new JLabel("Facebook")).setBounds(10, 350, 100, 25);

prop.add(facebookField).setBounds(100, 350, 200, 25);

prop.add(new JLabel("Phone")).setBounds(10, 380, 100, 25);

prop.add(phoneField).setBounds(100, 380, 200, 25);

prop.add(textView).setBounds(400, 10, 250, 300);

prop.add(buttonSave).setBounds(100, 410, 70, 25);

prop.add(buttonExit).setBounds(180, 410, 70, 25);

this.setContentPane(prop);

setVisible(true);

}

public void event() {

buttonSave.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

textView.setText("");

textView.append(sinField.getText()+"\n");

textView.append(nameField.getText()+"\n");

textView.append(addressField.getText()+"\n");

if(male.isSelected() != true && female.isSelected() != true) {

textView.append("gender cannot be blank\n");

} else {

if(male.isSelected() == true){

textView.append(male.getText()+"\n");

} else {

textView.append(female.getText()+"\n");

}

}

textView.append(opt\_agama.getSelectedItem().toString()+"\n");

if((watch\_tv.isSelected() == true) && (sleeping.isSelected() == true)){

textView.append(watch\_tv.getText() +", "+ sleeping.getText()+"\n");

}

else if(sleeping.isSelected() == true){

textView.append(sleeping.getText()+"\n");

}

else if(watch\_tv.isSelected() == true){

textView.append(watch\_tv.getText()+"\n");

}

textView.append(emailField.getText()+"\n");

textView.append(facebookField.getText()+"\n");

textView.append(phoneField.getText()+"\n");

}

});

buttonExit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

System.exit(0);

}

});

}

public static void main(String[]args) {

Myform f = new Myform();

f.render();

f.event();

}

}

1. **Preview**







