

KP14603 OBJECT ORIENTED PROGRAMMING SEMESTER 2

ASSIGMENT 2: "SMK TUAN GUSI SHEILDS SYSTEM"

LECTURE: MADAM SITI HASNAH TANALOL

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INTRODUCTION

For this project, I choose to create an Health Information System which "SMK TUAN GUSI SHEILDS SYSTEM". This system function to check whether the Teacher who teaching at there is safe go to school or not because of right now our world is in pandemic covid19 and it can be dangerous especially for the students who school at there because why when one student has infected it also can infected his or her family and friend also. On this system, the user scope is Teachers and Clerks who work at SMK TUAN GUSI, the user just have to take the assessment that provided 3 questions, and the result will be sent at their email for 3 day office hours.

a. Java Code

https://github.com/khairunsofiah/JavaFx-

SmkTuanGusiSheild.git

(githubs)

https://drive.google.com/file/d/11FweUb-5b1RwQybVGHxoun5JbwWQrdSC/view?usp=sharing (video) 2.

b. Object Oriented Concept Implementation

1. CLASS

```
//Implementation class concept oop
public class SmkTaunGusiSheilds implements ActionListener {
```

```
//Implementation class concept oop
public class SmkTuanGusi2 implements ActionListener {
```

```
//Implementation class concept oop
public class SmkTuanGusi3 implements ActionListener{
```

```
//Implementation class concept oop
public class SmkTuanGusi4 implements ActionListener{
```

2. ENCAPSULATION

```
Implementation of Encapsulation concept OOP
    private JPanel panel = new JPanel();
    public JFrame mvFrame2 = new JFrame("SMK TAUN GUSI SHIELD"):
    public JLabel hello = new JLabel();
    public JLabel welcome = new JLabel();
    public JLabel staysave = new JLabel();
    public JLabel click = new JLabel();
    public JButton button = new JButton ("Please take COVID-19 Screening Tool ");
    public JLabel message = new JLabel();
// Implementation of Encapsulation concept OOP
   private JLabel title;
   private JPanel panel = new JPanel();
   private JFrame myFrame = new JFrame ("SMK TAUN GUSI SHIELD");
   private JLabel Login = new JLabel();
   private JTextField txtmyLogin = new JTextField();
   private JLabel Password = new JLabel();
   private JPasswordField txtmyPassword = new JPasswordField();
   public JButton buttonLogin = new JButton ("LOGIN");
   public JButton buttonReset = new JButton ("RESET");
   public JLabel message;
   Implementation of Encapsulation concept OOP
private JFrame myFrame3 = new JFrame("SMK TAUN GUSI SHIELD");
public JLabel labell = new JLabel();
public JLabel quest1 = new JLabel();
public Checkbox checkbox1 = new Checkbox();
public Checkbox checkbox2 = new Checkbox();
public Checkbox checkbox3 = new Checkbox();
public Checkbox checkbox4 = new Checkbox();
public Checkbox checkbox5 = new Checkbox();
public Checkbox checkbox6 = new Checkbox();
public Checkbox checkbox7 = new Checkbox();
public Checkbox checkbox8 = new Checkbox();
public JButton button = new JButton ("NEXT");
//Implementation of Encapsulation concept OOP
private JFrame myFrame4 = new JFrame("SMK TAUN GUSI SHIELD");
public JLabel guest2 = new JLabel ();
public JRadioButton radioButton = new JRadioButton();
public JRadioButton radioButton2 = new JRadioButton();
public JLabel quest3 = new JLabel ();
public JComboBox answer3= new JComboBox();
public JButton Submit = new JButton("Submit");
public JTextArea result = new JTextArea ();
public JButton Logout = new JButton ("Logout");
```

c. Read and Write Implementation

1.

a) User insert input username and password



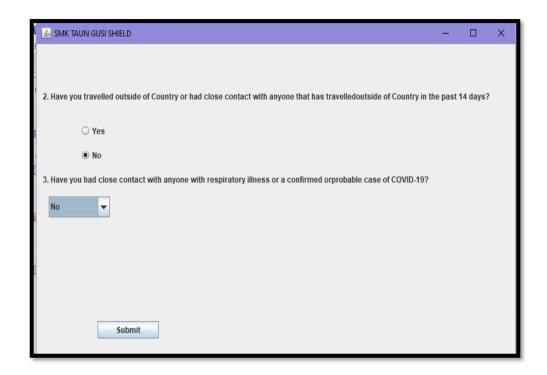
b) Output will appear 2 condition if valid picture 1 will appear if invalid picture 2 will appear.



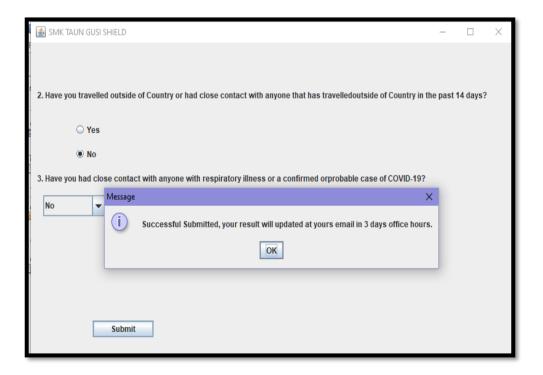


Picture 1 Picture 2

2. a) Input click the radiobutton and combobox



b) Output clik button submit will pop-out message



d. User Manual (How to use the system)

1. Login, user have to insert username and password using id Card number



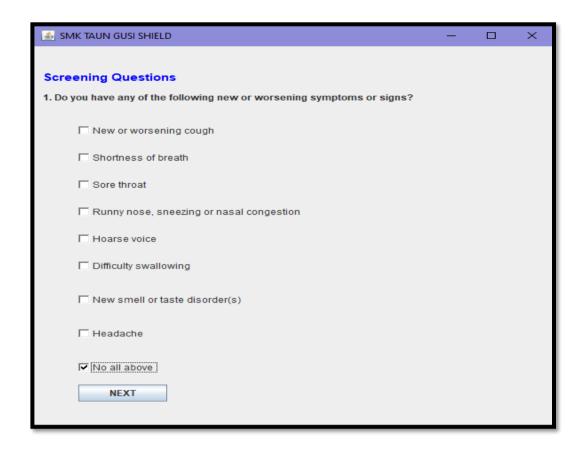
2. If user insert invalid username or password it will appear "Invalid username or password", and it will automatically reset username and password for user

	-	-		×		
SMK TUAN GUSI SHIELD LOGIN FORM						
		_				
USERNAME (ID_CARD):						
PASSWORD:						
Invalid username or Password						
LOGIN						

3. After user successful login, this page will appear and user just have to click the button "Please take COVID-19 Screening Tool" for start the assessment.



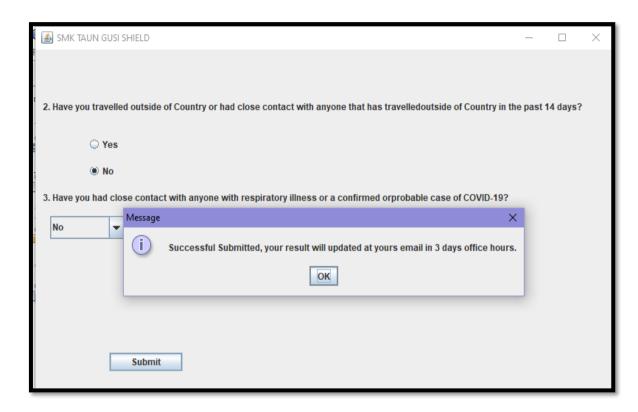
4. Next, user just have to click the checkbox to answer the question given and click button "Next" to another question.



5. User can proceed answer the question given by click the RadioBox and Combobox for selection answer.



6. After finished answer, click button "Submit" for submit the assessment and the message "Successful Submitted, your result will updated at your email in 3 days office hours" will appear to notify the user.



10. Lastly user, just have to click button "OK" and the system will automatically exit for the user

