**Lab 0 – Foundation**

**Problem 3: Solution**

**package** lab0Foundation.prob3AddressForm;

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\* Lab0Foundation Problem3 JavaFx

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**import** javafx.application.Application;

**import** javafx.event.ActionEvent;

**import** javafx.event.EventHandler;

**import** javafx.scene.Scene;

**import** javafx.scene.control.Button;

**import** javafx.scene.control.Label;

**import** javafx.scene.control.\*;

**import** javafx.scene.layout.Pane;

**import** javafx.stage.Stage;

**public** **class** AddressForm **extends** Application{

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

*launch*();

}

@Override

**public** **void** start(Stage addressFormStage) **throws** Exception {

addressFormStage.setTitle("AddressForm");

addressFormStage.setX(0);

addressFormStage.setY(0);

//now create all label

Label lblName= **new** Label("Name: ");

Label lblStreet= **new** Label("Street: ");

Label lblCity= **new** Label("City: ");

Label lblState= **new** Label("State: ");

Label lblZip= **new** Label("Zip: ");

//now create textfield

TextField tfName= **new** TextField();

TextField tfStreet= **new** TextField();

TextField tfcity= **new** TextField();

TextField tfState= **new** TextField();

TextField tfZip= **new** TextField();

Button btnSubmit= **new** Button();

btnSubmit.setText("Submit");

btnSubmit.setOnAction(**new** EventHandler<ActionEvent>() {

@Override

**public** **void** handle(ActionEvent event) {

//tfZip.setText("here");

**if**(tfName.getText()!=""){

System.***out***.println(tfName.getText());

}

**if**(tfStreet.getText()!=""){

System.***out***.println(tfStreet.getText());

}

**if**(tfcity.getText()!=""||tfState.getText()!=""||tfZip.getText()!=""){

System.***out***.println(tfcity.getText()+","+tfState.getText()+" "+tfZip.getText());

}

}

});

//add to pane

Pane root = **new** Pane();

btnSubmit.setLayoutX(250);

btnSubmit.setLayoutY(150);

root.getChildren().add(btnSubmit);

lblName.setLayoutX(20);

lblName.setLayoutY(20);

root.getChildren().add(lblName);

lblStreet.setLayoutX(200);

lblStreet.setLayoutY(20);

root.getChildren().add(lblStreet);

lblCity.setLayoutX(410);

lblCity.setLayoutY(20);

root.getChildren().add(lblCity);

lblState.setLayoutX(80);

lblState.setLayoutY(70);

root.getChildren().add(lblState);

lblZip.setLayoutX(300);

lblZip.setLayoutY(70);

root.getChildren().add(lblZip);

//now add textField

tfName.setLayoutX(20);

tfName.setLayoutY(40);

root.getChildren().add(tfName);

tfStreet.setLayoutX(200);

tfStreet.setLayoutY(40);

root.getChildren().add(tfStreet);

tfcity.setLayoutX(410);

tfcity.setLayoutY(40);

root.getChildren().add(tfcity);

tfState.setLayoutX(80);

tfState.setLayoutY(95);

root.getChildren().add(tfState);

tfZip.setLayoutX(300);

tfZip.setLayoutY(95);

root.getChildren().add(tfZip);

addressFormStage.setScene(**new** Scene(root, 650,190 ));

addressFormStage.show();

}

}