Sources:

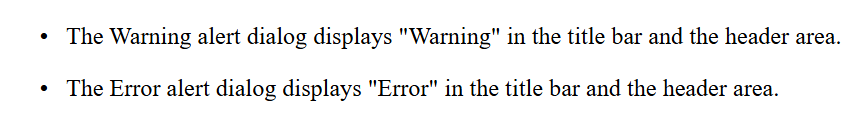
CISC190 Java Programming

A white background with black text

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.



A screenshot of a computer program

AI-generated content may be incorrect.

A black text on a white background

AI-generated content may be incorrect.

A close-up of a computer screen

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A screenshot of a computer code

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**package** application;

**import** javafx.application.Application;

**import** javafx.stage.Stage;

**import** javafx.scene.Scene;

**import** javafx.scene.layout.HBox;

**import** javafx.scene.layout.VBox;

**import** javafx.scene.layout.GridPane;

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

**import** javafx.scene.control.ButtonType;

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

**import** javafx.scene.control.TextField;

**import** javafx.scene.control.Alert;

**import** javafx.scene.control.Alert.AlertType;

**import** javafx.geometry.Pos;

**import** javafx.geometry.Insets;

**import** javafx.event.EventHandler;

**import** javafx.event.ActionEvent;

**import** java.util.Optional;

**import** javafx.scene.image.Image;

**import** javafx.scene.image.ImageView;

**public** **class** **Main** **extends** Application {

**private** **Label** userInputLabel;

**private** **TextField** textField1;

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

***launch***(args);

}

**@Override**

**public** **void** **start**(**Stage** primaryStage) {

**Label** **label1** = **new** **Label**(**"Click this Button"**);

textField1 = **new** **TextField**();

**Button** **button1** = **new** **Button**(**"Click Me!!!"**);

userInputLabel = **new** **Label**(**"Result: "**);

button1.**setOnAction**(**new** **ButtonClickHandler**());

**VBox** **vbox** = **new** **VBox**(**20**, label1, textField1, button1, userInputLabel);

vbox.**setAlignment**(Pos.**CENTER**);

vbox.**setPadding**(**new** **Insets**(**40**));

**Scene** **scene** = **new** **Scene**(vbox);

primaryStage.**setScene**(scene);

primaryStage.**setTitle**(**"GUI Program"**);

primaryStage.**show**();

}

**class** **ButtonClickHandler** **implements** EventHandler<ActionEvent> {

**@Override**

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

**String** **info** = **"Result: "**+textField1.**getText**();

**Alert** **alert** = **new** **Alert**(AlertType.**INFORMATION**);

**Image** **img1** = **new** **Image**(**"file:wallpaper1.jpg"**);

**ImageView** **imgView1** = **new** **ImageView**(img1);

alert.**setTitle**(**"Notification"**);

alert.**setGraphic**(imgView1);

alert.**setHeaderText**(**"Attention!"**);

alert.**setContentText**(**"Is that all you want to say?"**);

**Optional**<ButtonType> **result** = alert.**showAndWait**();

**if**(result.**get**() == **ButtonType**.**OK**) {

userInputLabel.**setText**(info);

}**else** {

userInputLabel.**setText**(**"Result: "**);

}

}

}

}

A screenshot of a computer

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A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer error

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A screenshot of a computer program

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