CSCI 2120:
Software Design & Development II

UNIT4: UI management

GUI framework
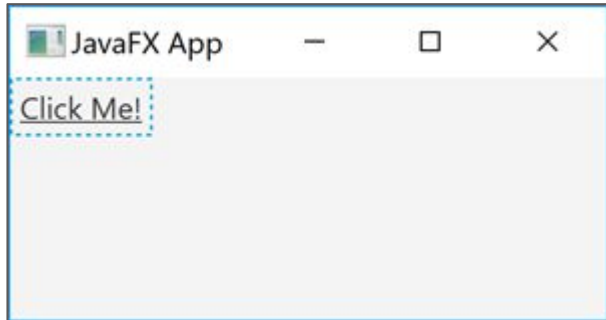**JavaFX Controls: Hyperlink**

Overview

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Introduction

- The *JavaFX Hyperlink* control is a text that functions as a button, meaning you can configure a Hyperlink to perform some action when the user clicks it.

- Just like a hyperlink in a web page.

- The *JavaFX Hyperlink* element is represented by the class `javafx.scene.control.Hyperlink` .

Here is a screenshot showing how a JavaFX Hyperlink looks:

JavaFX Hyperlink Example

```java
import javafx.application.Application;
import javafx.scene.Scene;
import javafx.scene.control.Hyperlink;
import javafx.scene.layout.VBox;
import javafx.stage.Stage;

public class HyperlinkExample extends Application {
    public static void main(String[] args) {
        launch(args);
    }

    @Override
    public void start(Stage primaryStage) {
        primaryStage.setTitle("JavaFX App");

        Hyperlink link = new Hyperlink("Click Me!");

        VBox vBox = new VBox(link);
        Scene scene = new Scene(vBox, 960, 600);

        primaryStage.setScene(scene);
        primaryStage.show();
    }

}
```

Code Explanation:

This example is a full JavaFX application that creates a **Hyperlink**, inserts it into a **JavaFX VBox** which is then added to a **JavaFX Scene**. The Scene is then added to a **JavaFX Stage** which is then made visible.

Create a Hyperlink

In order to use a JavaFX `Hyperlink` control you must first create a `Hyperlink` instance.

Here is an example of creating a JavaFX `Hyperlink` instance:

```
Hyperlink link = new Hyperlink("Click me!");
```

Set Hyperlink Text

It is possible to change the text of a JavaFX `Hyperlink` via its `setText()` method.

Here is an example of changing the text of a JavaFX `Hyperlink:`

```java
Hyperlink link = new Hyperlink("Click me!");

link.setText("New link text");
```

Set Hyperlink Font

It is possible to change the font of a JavaFX `Hyperlink` via its `setFont()` method. You can learn more about creating fonts in the **JavaFX Fonts** lecture.

Here is an example of setting the font of a JavaFX Hyperlink:

```
Hyperlink link = new Hyperlink("Click Me!");

Font courierNewFontBold36 = Font.font("Courier New", FontWeight.BOLD, 36);

link.setFont(courierNewFontBold36);
```

Set Hyperlink Action

To respond to clicks on a JavaFX Hyperlink you set an action listener on the Hyperlink instance.

Here is an example of setting an action listener on a JavaFX Hyperlink instance:

```java
Hyperlink link = new Hyperlink("Click me!");

link.setOnAction(e -> {
    System.out.println("The Hyperlink was clicked!");
});
```

END