

# hw22AbstractFactoryGUI

sábado, 18 de febrero de 2023 13:49

WINDOWS

CAPTION :

Widget description:

Widget caption:

Back Create Menu Create Button

WINDOWS

Message

The button has been created sucessfully

OK

Back Create Menu Create Button

WINDOWS

CAPTION :

Widget description:

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Message

The menu has been created sucessfully

OK

Back Create Menu Create Button

WINDOWS

CAPTION :

Widget description:

Widget caption:

LINUX

CAPTION :

Widget description:

Widget caption:

LINUX

Message

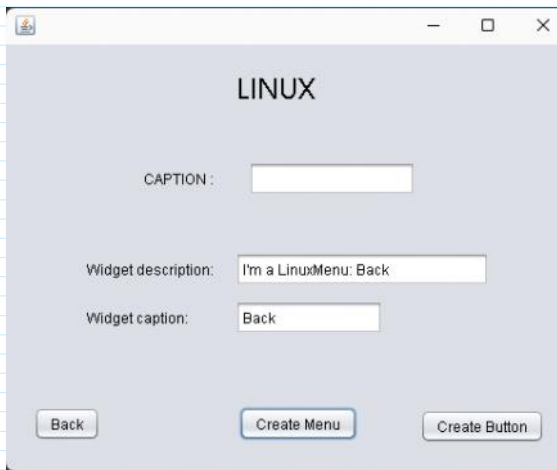
 The button has been created sucessfully

LINUX

CAPTION :

Widget description:

Widget caption:



```

* @author Leonardo Yarangá, Progress Team, DCCO-ESPE
*/
public abstract class GUIFactory {

    public static GUIFactory getFactory(String os_type) {
        int sys = readFromConfigFile(os_type);

        if (sys == 0) {
            return (new WindowsFactory());
        }
        if (sys == 1) {
            return (new LinuxFactory());
        }
        else {
            System.out.println("No os founded");
            return null;
        }
    }

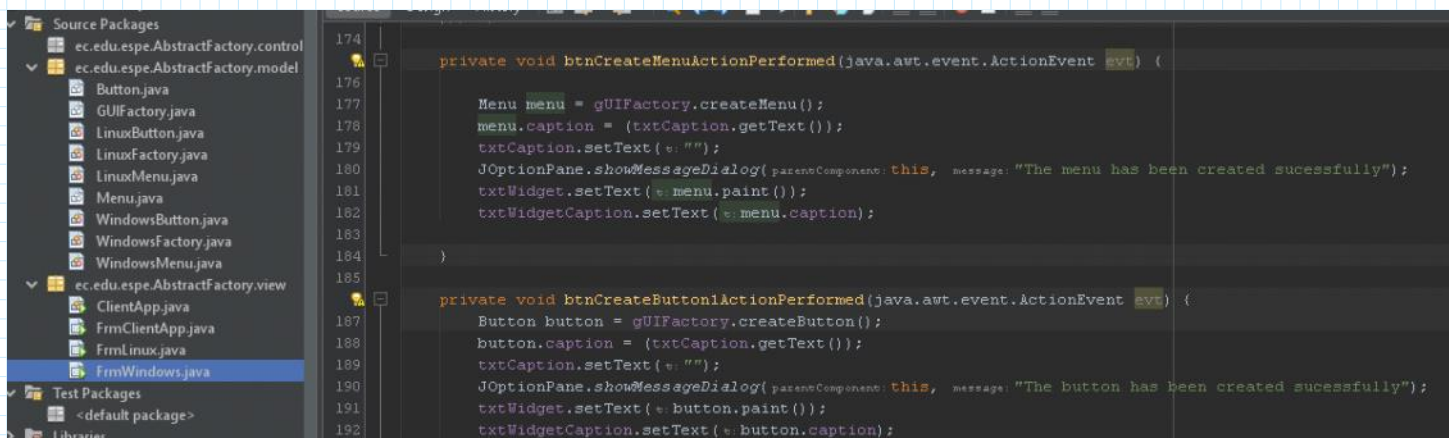
    private static int readFromConfigFile(String os_type) {
        int option = 0;
        if (os_type == "Linux") {
            option = 1;
        }

        if (os_type == "Windows") {
            option = 0;
        }
        return option;
    }

    public abstract Button createButton();

    public abstract Menu createMenu();
}

```

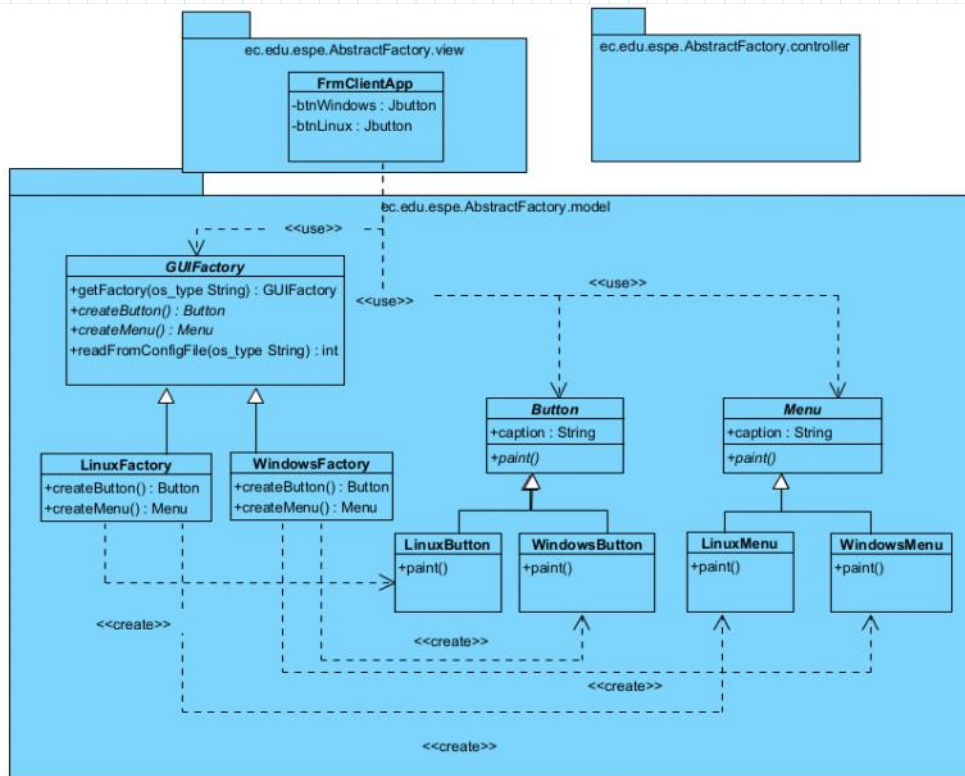


```

Source Packages
ec.edu.espe.AbstractFactory.controller
ec.edu.espe.AbstractFactory.model
  Button.java
  GUIFactory.java
  LinuxButton.java
  LinuxFactory.java
  LinuxMenu.java
  Menu.java
  WindowsButton.java
  WindowsFactory.java
  WindowsMenu.java
ec.edu.espe.AbstractFactory.view
  ClientApp.java
  FrmClientApp.java
  FrmLinux.java
  FrmWindows.java
Test Packages
<default package>
Libraries
Test Libraries

184  // </editor-fold>
185
186  private void btnCreateMenuActionPerformed(java.awt.event.ActionEvent evt) {
187
188      Menu menu = linux.createMenu();
189      menu.caption = (txtCaption.getText());
190      txtCaption.setText("");
191      JOptionPane.showMessageDialog(parentComponent: this, message: "The menu has been created successfully");
192      txtWidget.setText(e.menu.paint());
193      txtWidgetCaption.setText(e.menu.caption);
194  }
195
196  private void btnCreateButtonActionPerformed(java.awt.event.ActionEvent evt) {
197
198      Button button = linux.createButton();
199      button.caption = (txtCaption.getText());
200      txtCaption.setText("");
201      JOptionPane.showMessageDialog(parentComponent: this, message: "The button has been created successfully");
202      txtWidget.setText(e.button.paint());
203      txtWidgetCaption.setText(e.button.caption);

```



Menú

docs.google.com/document/d/1ZqeXmrtE20ZtQ-NNVX6gMb6re4mhgPO/edit

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HW22OOP .DOCX

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3

Compartir

100% Texto normal Arial 12

2 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

41 YARANGA SUQUILLO LEONARDO JAVIER

WINDOWS

CAPTION: Play

Widget description:

Widget caption:

Back Create Menu Create Button

WINDOWS

Message

The button has been created successfully

OK

Back Create Menu Create Button

ENG 22:04 21/02/2023