

Exp no: 4

Date: 03/09/2021

Exp name: Design a Menu Bar

Pg no: 22

Aim:

To design a menu bar for adding list of item using java.

Procedure:

- 1) create a Menubar control and name it as mb
- 2) Add menubar to frame.
- 3) Create menu with titles File, Edit
- 4) Add menu to menubar
- 5) Link with Action Listener for event handling
- 6) Embed the Applet code to creat applet window
- 7) compile the code
- 8) Fix any errors

Program:

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import java.applet.Applet.*;
```

```
public class SimpleMenuExample extends Frame  
implements ActionListener
```

```
{
```

```
Menu file, edit;
```

```
public SimpleMenuExample ()
```

```
{
```

```
Menu bar mb = new Menu bar ();
```

```
setMenu bar (mb);
```

```
file = new Menu ("File");
```

```
edit = new Menu ("Edit");
```

```
mb.add(file);
```

```
mb.add(edit);
```

```
file.addActionListener (this);
```

```
edit.addActionListener (this);
```

```
file.add (new MenuItem ("New"));
```

```
file.add (new MenuItem ("open"));
```

```

file.add(new MenuItem("save"));
file.add(Separator());
file.add(new MenuItem("saveas"));
file.add(new MenuItem("print"));
file.add(new MenuItem("Exit"));

edit.add(new MenuItem("cut"));
edit.add(new MenuItem("copy"));
edit.add(new MenuItem("paste"));
edit.add(Separator());
edit.add(new MenuItem("Find"));
edit.add(new MenuItem("replace"));
edit.add(new MenuItem("GoTo"));

set Title ("simple menu program");
set Size (300, 300);
set Visible (true);
}

public void actionPerformed (ActionEvent e)
{
    String str = e.getActionCommand();
    System.out.println ("you selected " + str);
}

```



```
public static void main (String args [])  
{  
    new Simple Menu Example();  
}  
}
```

### Menu.html

```
<applet code = "Simple Menu Example.class" width = 300  
        height = 300>  
  
</applet>
```

Result: This program was successfully executed  
in java, html, & command prompt

```
Command Prompt - appletviewer menu.html
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hp>cd/

C:\>set path="C:\Program Files\Java\jdk1.8.0_161\bin"

C:\>D:

D:\>javac SimpleMenuExample.java

D:\>appletviewer menu.html
Warning: Can't read AppletViewer properties file: C:\Users\Hp\.hotjava\properties Using defaults.
java.lang.ClassCastException: SimpleMenuExample cannot be cast to java.applet.Applet
    at sun.applet.AppletPanel.createApplet(AppletPanel.java:799)
    at sun.applet.AppletPanel.runLoader(AppletPanel.java:728)
    at sun.applet.AppletPanel.run(AppletPanel.java:378)
    at java.lang.Thread.run(Thread.java:748)

Applet Viewer: S...
Applet

Start: applet not initialized.
```