Object Oriented Programming

Week 11 Part 2 Deploying Applets

Lecture

- Steps to Applet Deployment
- The <applet> tag
- The <object> tag

Steps to Applet Deployment

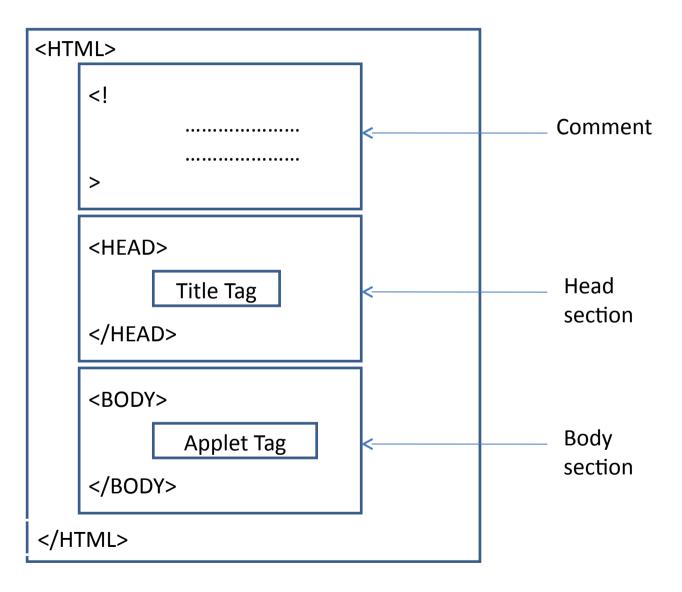
Steps to Deploy Applet on Web Page

- 1) Write applet java file
- 2) Compile applet to class file
- 3) Create Web page
- 4) Add <applet> tag to web page
- 5) Put Web page on Web server public_html

Compile Applet to Class File

- Javac <source>.java
- Produces <source>.class
- Compiler errors are printed on standard error

Create a web page



Using the <applet> tag

- The applet tag is not defined in HTML5.
- Instead, applets are loaded using <embed> or <object>
- Most browser security will not allow applets to run.
- Java security needs to be set up the computer running the applet in a way that is considered dangerous.

Applet Tag

Applet tag

```
<APPLET>
CODE=hellojava.class
WIDTH=400
HEIGHT=200>
</APPLET>
```

 Note: this HTML will not work with modern browsers. The <applet> tag is no longer defined in HTML

Adding applet to HTML file

 Note: this HTML will not work with modern browsers. The <applet> tag is not defined in HTML5

```
<html>
<head>
   <title>
   welcome to java applets
   </title>
</head>
<body>
   <center>
   <h1> welcome to world of applet </h1>
   </center>
   <br>
   <center>
   <APPLET
   CODE=hellojava.class
   WIDTH=400
   HEIGHT=200>
   </APPLET>
   </center>
</body>
</html>
```

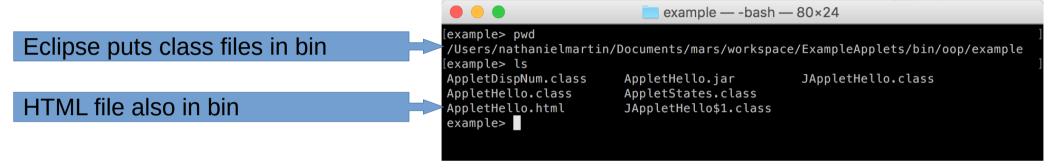
Applet tag attributes

- Code= AppletFileName.class
- Codebase=codebase_url
- Width=pixels
- Height=pixels
- Name= applet_instance_name
- Align=Alignment
- Hspace=pixels
- Vspace=pixels

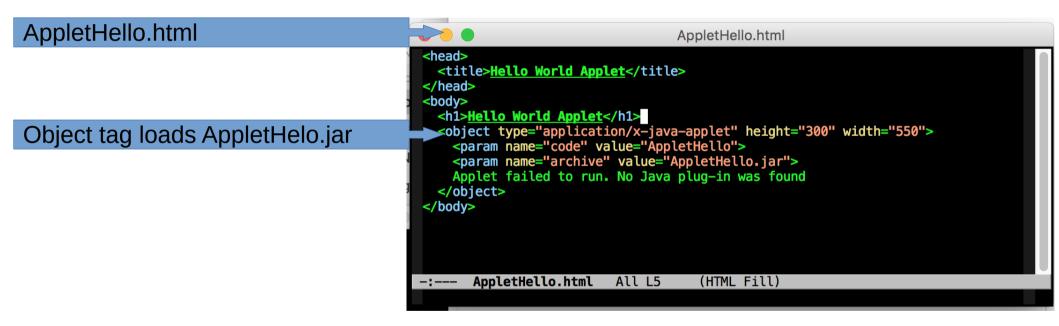
 The <applet> tag is not defined in HTML5

Object Tag

Code Compiled by Eclipse



HTML file



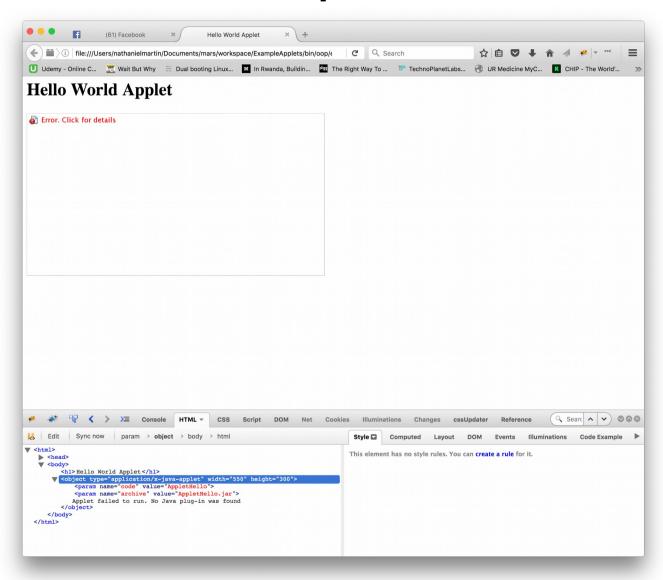
Object Tag

```
Object tag : two parameters
Object tag : two parameters
Object tag : two parameters

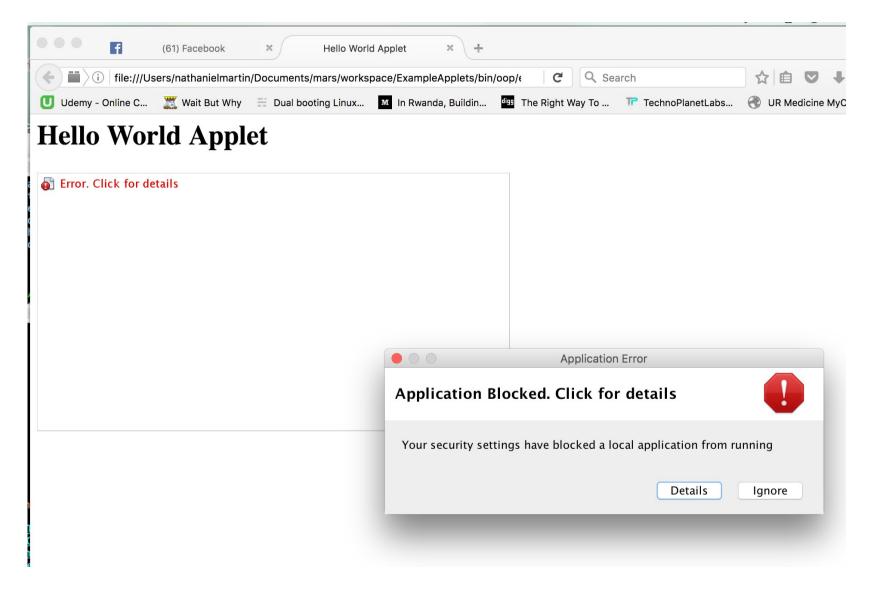
| V < body>
| Cobject type="application/x-java-applet" width="550" heir code" value="AppletHello">
| Cobject type="application/x-java-applet" width="550" heir code" value="applet" width="550" heir code" value="applet
```

- Object attributes: type, width and height
- Code parameter: name of program
- Archive parameter: name of jar file

Output



Error message



Applet Web Deployment Take Away

- Don't do it.
- There are better ways to deploy Web applications
- Deploying applets require complicated set up of both the server and the client
- Loading applets onto the client requires unsafe Java settings