

talent sprint

WEB :: HTML

TalentSprint

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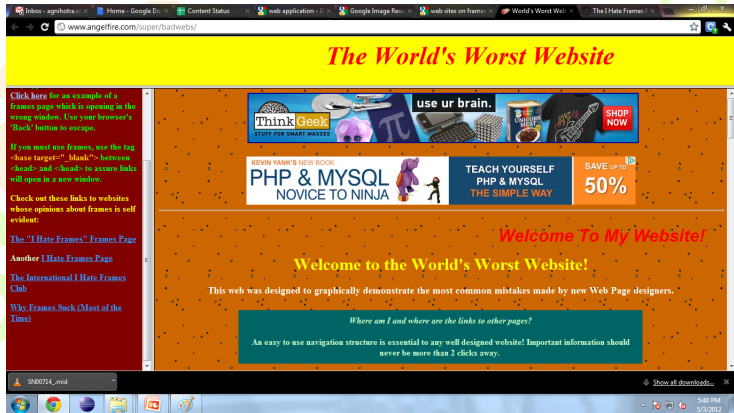
July 29, 2016

HTML Basics

The content in this presentation is aimed at teaching learners to:

- Create web pages using frames
- Insert HTML input controls in the webpage

Frame and Form Controls



Frame and Form Controls

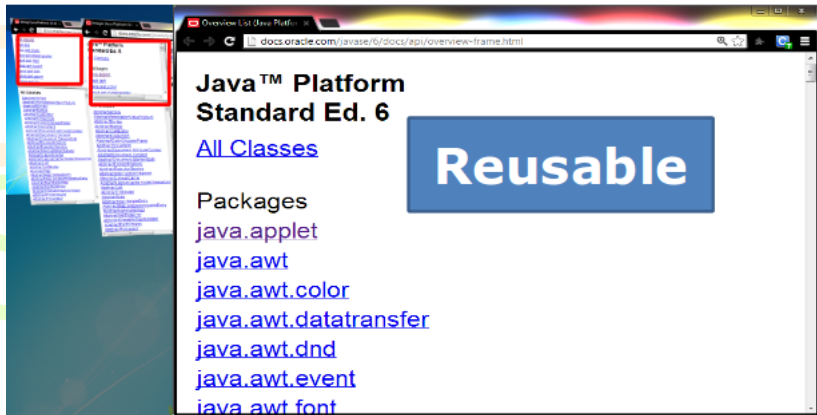


```
1 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN" "http://www.w3.org/TR/REC-html40/loose.dtd">
2 <!--NewPage-->
3 <HTML>
4
5 <HEAD>
6 <meta name="collection" content="exclude">
7
8 <!-- Generated by javadoc on Tue Aug 28 00:41:43 PDT 2001-->
9 <TITLE>
10 Java 2 Platform EE v1.3
11 </TITLE>
12 </HEAD>
13 <FRAMESET cols="20%,80%">
14 <FRAMESET rows="30%,70%">
15 <FRAME src="overview-frame.html" name="packageListFrame">
16 <FRAME src="allclasses-frame.html" name="packageFrame">
17 </FRAMESET>
18 <FRAME src="overview-summary.html" name="classFrame">
19 </FRAMESET>
20 </FRAMESET>
21 <H2>
22 Frame Alert</H2>
23
24 <P>
25 This document is designed to be viewed using the frames feature. If you see this message, you are using a non-frame-capable web client.
26 <BR>
27 Link to <a href="overview-summary.html">Non-frame version.</a></NOFRAMES>
28 </HTML>
29
```

Frame and Form Controls

```
</HEAD>
<FRAMESET cols="20%,80%">
<FRAMESET rows="30%,70%">
<FRAME src="overview-frame.html" name="packageListFrame">
<FRAME src="allclasses-frame.html" name="packageFrame">
</FRAMESET>
<FRAME src="overview-summary.html" name="classFrame">
</FRAMESET>
```

Frame and Form Controls



The image shows a screenshot of a web browser displaying the Java Platform Standard Ed. 6 API Overview page. The browser's address bar shows the URL `docs.oracle.com/javase/6/docs/api/overview-frame.html`. The page title is "Java™ Platform Standard Ed. 6". A large blue box with the word "Reusable" in white text is overlaid on the right side of the page. On the left side, there is a list of "All Classes" and "Packages". The "Packages" list includes `java.applet`, `java.awt`, `java.awt.color`, `java.awt.datatransfer`, `java.awt.dnd`, `java.awt.event`, and `java.awt.font`. A small inset window in the top-left corner shows a file explorer view with two red boxes highlighting specific files.

Java™ Platform Standard Ed. 6

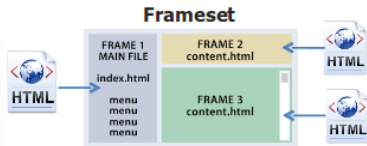
[All Classes](#)

Packages

- [java.applet](#)
- [java.awt](#)
- [java.awt.color](#)
- [java.awt.datatransfer](#)
- [java.awt.dnd](#)
- [java.awt.event](#)
- [java.awt.font](#)

Reusable

Frame and Form Controls



- Divides the screen into separate frames.
- Each frame can contain an HTML document.
- A file or HTML Document that specifies how the screen is divided into frames is called a frameset.

Frame and Form Controls

If you want to make a homepage that uses frames, you should:

- Create an HTML document with the frameset.
- Create the normal HTML documents that should be loaded into each of these frames.

Frame and Form Controls

Creating Frameset

A frameset is simply an HTML document that tells the browser how to divide the screen into split windows.

Example

```
<frameset cols = "120, *">  
</frameset>
```

'cols' is an attribute to divide the window into two columns

The left being 120 pixels and the right using the rest of the screen (indicated by the *).



Frame and Form Controls

Creating Frameset

- The values of rows and columns can be in pixels value or can be percentage value of screen space.
- Number of rows or columns separated with commas, decides the number of frames in the page.
- Frameset tag will not work in `<body>` tag.

Frame and Form Controls

Defining Frame

- The `<frame>` tag defines one particular window (or frame) within a frameset.
- You can add default pages to the frames by using the `src` attribute of the frame tag.
- You can add names to each frame by using the `name` attribute.

Frame and Form Controls

Defining Frame

- Name attribute allow us to display a link in one frame and open the page in another frame.

Example:

```
<frameset cols = "120, *">  
<frame src = "menu.htm" name = "menu">  
<frame src = "front.htm" name = "main">  
</frameset>
```



- Comma separated values of row/cols in frameset will maps to the list of frames defined in frameset respectively.

Frame and Form Controls

Attributes for Frame and Frameset

- ① **frameborder** Specifies whether or not to display a border around a frame.
 - '0' means no border
 - Any numerical value other than '0' shows the border
- ② **width** Specifies the width of the border in pixels/percentage

Frame and Form Controls

- ③ **noresize** Specifies that a frame is not resizable
- ④ **scrolling** Specifies whether or not to display scrollbars in a frame.
 - Values are yes, no and auto

Frame and Form Controls



Menu.html

Welcomepage.html

Bottombanner.html

Frame and Form Controls



Menupage.html

Welcomepage.html

Bottombanner.html

```
<frameset cols = "120, *" scrolling = auto>
  <frame src = "Menupage.htm" name = "menu" noresize>
  <frameset rows = "*, 50" frameborder = 1 border = 10>
    <frame src = "Welcomepage.htm" name = "main">
    <frame src = "Bottombanner.html" name = "bottom">
  </frameset>
</frameset>
```


Frame and Form Controls



Frame and Form Controls

The screenshot displays the State Bank of India (SBI) online portal. The browser address bar shows the URL: <https://www.onlinesbi.com/retail/profileverifypasswordconfirm.htm>. The page header includes the SBI logo, the text 'महतीय स्टेट बैंक State Bank of India With you - all the way', and a 'Welcome' message. The navigation menu contains links for Products & Services, Customer Care, Help, My Accounts, Payments/Transfers, Bill Payments, Requests, Enquiries, Profile, E-Tax, DEMAT/ASBA, e-Cards, Site Map, and Logout. The breadcrumb trail indicates the user is in the 'Profile' section, specifically 'Manage Beneficiary > Third Party > Add'. The 'Manage Third Party' form is the central focus, featuring a sidebar with options like 'Personal Details', 'Define Limit', and 'Manage Beneficiary'. The form itself has tabs for 'Add', 'Modify', 'Delete', 'View', and 'Approve'. It includes a warning about mandatory fields and a note about account numbers. The form fields are: 'Name *', 'Account Number*', 'Confirm Account Number*', and 'Transfer Limit * (INR)' with a maximum limit of 500,000. A green box with the text 'Data (Input) Acceptance' is overlaid on the form. Below the form, there is a message about adding and approving a new third party within a 16-hour session, and a 'CARE' note stating that only one beneficiary can be added per day. The form has 'Submit' and 'Reset' buttons at the bottom.

STATE BANK OF INDIA [IN] <https://www.onlinesbi.com/retail/profileverifypasswordconfirm.htm>

महतीय स्टेट बैंक
State Bank of India
With you - all the way

About OnlineSBI | Registration Forms

Welcome : [User Name]

Products & Services How Do I ...? Customer Care Help

My Accounts Payments/Transfers Bill Payments Requests Enquiries Profile E-Tax DEMAT/ASBA e-Cards Site Map

You are here: Profile > Manage Beneficiary > Third Party > Add

Jump to: [Select] Go

Personal Details
Define Limit
Manage Beneficiary
Set Account Nickname
Enable High Security
Change Passwords
Manage A/c Display

Manage Third Party

Add Modify Delete View Approve

Mandatory fields are marked with an asterisk (*)

Ensure that you enter the correct account number
Bank does not accept responsibility for funds transferred inadvertently to a wrong account number input by the customer

Name * [Input Field]

Account Number* [Input Field]

Confirm Account Number* [Input Field]

Transfer Limit * (INR) [Input Field] (Maximum limit: 500000)

Data (Input) Acceptance and the beneficiary name particulars will not be

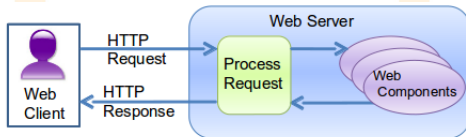
You can add and approve a new third party within the same session. Please allow us a maximum of 16 hours time to activate your new third party for transfer of funds.

CARE: Only one beneficiary can be added in a day. Please do not add more than one beneficiary in a day.

Submit Reset

Frame and Form Controls

What after Acceptance?



- 1 Validates Inputs
 - Accepting only numbers
 - Mandatory Fields
 - Passwords matches .. Etc

For all the above we need validation at Client Side

Frame and Form Controls

- 2 Sends data for further processing like Insert, Updates and Calculates Computational Tasks by:
 - Generates the REQUEST
 - Transfers the Data to the Sever
- 3 Server Process the request and responds back as necessary.

Frame and Form Controls

Challan No. /	<input type="text"/>	Date	Of	<input type="text"/>
ReferenceID*		Birth*		
Journal No*	<input type="text"/>	Date	Of	<input type="text"/>
		Payment*		
<input type="submit" value="submit"/>				

- A form is an area that can contain form fields.
- Form fields are objects that allow the visitor/user to enter information.
- When the user clicks the submit button, the content of the form is usually sent to a program that runs on the server.

Frame and Form Controls

Form Tag

- **<form>** tells the browser where the form starts and ends.
- Includes all kind of HTML tags between **<form>** and **</form>**.
- To specify where to send the content, we have to add these properties to the **<form>** tag
 - action = <url>
 - method = < POST | GET >

The address is the url of the cgi script where the content should be sent to.

- POST and GET methods are simply two different methods of submitting data to the script.

Frame and Form Controls

Form Tag Example

```
<html>
  <head>
    <title>My Page</title>
  </head>
  <body>
    <!-- Here goes HTML -->
    <form method = "post" action = "http://www.
echoecho.com/cgi-bin/formmail.cgi">
      <!-- Here goes form fields and HTML -->
    </form>
    <!-- Here goes HTML -->
  </body>
</html>
```

Frame and Form Controls

Form Field	UI Presentation	HTML Code
Text Filed	<input type="text"/>	<code><input type = "text"></code>
Password	<input type="password"/>	<code><input type = "password"></code>
Hidden Field		<code><input type = "hidden"></code>
Text Area	<input type="text"/>	<code><textarea width = 20 height = 5> </textarea></code>

Frame and Form Controls

Form Submission

This is what may happens when the form is submitted:

- Performs the Client Side Scripting.
- Generates HTTP Request according to Specifications (GET/POST).
- Transfer the form data to the server side scripting.
- Server process the request to perform the particular task.

Frame and Form Controls

Input Attributes

Attribute	Value	Description
Size	Number	Characters to be shown
Maxlength	Number	Max Characters allowed
Name	Text	Name of the Field
Value	Text	Initial value in the field
Align	Left ,Right, Center	Alignment of the field
TabIndex	Number	Tab order of the field
Type	Text, Password, Checkbox, Radio, Submit, Reset, Button, Hidden, File, Image	Specifies the type of <input> element
Checked	Checked	Specifies element should be preselected (for type = "checkbox" or type = "radio")
Disabled	Disabled	Element should be disabled
Readonly	Readonly	Element is un editable

Fram and Form Controls

Text Area

- Text areas are the text fields that can span several lines
- Text areas are not defined with an `<input>` tag
- Everything written between `<textarea>` and `</textarea>` tags will be presented in the text area box.

Frame and Form Controls

Text Area

Attribute	Value	Description
Rows	Number	Rows in the field
Cols	Number	Columns in the field
Name	Text	Name of the field
TabIndex	Number	Tab Order of the field
Wrap		Turns off line breaking

Frame and Form Controls

Dropdown Menu

- It serves the same purpose as:
 - Radio buttons (one selection only)
 - Check boxes (multiple selections allowed)
- It has combine usage of `<select>` and `<option>`. Both tags have an opening and a closing tag

Disadvantage is that all options are not visible unless the menu is selected.

Frame and Form Controls

Dropdown Menu

Attribute	Value	Description
Name	Text	Name of the element
Size	Number	No. of options to display
Multiple	Multiple	Allows multiple selection
Value for option tag	Text	Value of the selection

Frame and Form Controls

Buttons

Three type of buttons based on input type:

Button Normal button

Submit Button which submits the form

Reset Button which sets the form data to the default values

Frame and Form Controls



Write the code to create a web-page containing the following form:

Name

Mobile Number

Skill

Year

☐ 1st year ☐ 2nd year ☐ 3rd year

Address

Submit

Reset

Frame and Form Controls

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