- * Working With Master pages in Hop. net is
- -> A Masten page is similar to Heb user Control. Which will provide newsability facility for the design of the lueb pages.
- > To Create Every Masterpage will have a default Extension of Master.

 (To Greate a meb, user control) ×
- -> To Greate a Master page control me use mebforms master page template in VS. net.
- -> Master page will contain HTML, Head, body tags.
- -> Every Master page will be Executed only for the 1st neguest of the client.
- -> Every Moster page me create is a class which is Inherited from mostespage class of system: Heb. UP. namespace
- * Example with moster page: Web App Mastern

 -> Home.aspic

 -> NEWs.aspx

 - -> Aboutus, aspx
 - >contactus.aspx
 - -> Navigate Masten
- -> Create a NEW Website With the Name Web App. · Master

- * Creating Master page"
- Go to Solidion Explosion Select the Solution, Click With sight Mouse button, click on Add, Click on NEW Item, Select Web forms pa Master Page template. Type the master page name Navigate. Master, click on OK.
 - -> Then Greate hyper links In Master page.
- * Greating Content pages:
- Hith Right Mouse Sutton, click on Add, click on New Item, select Web torms pape Master page Template.

 Type the page name With Home. aspx click on add, select Master page Navigate. Master, click on ok. perform the design of Home. aspx With in the Content place holder. Similarly Greate the others.

 Content pages. Run the application and check.
- * Customiting the Master page from the Content page;
- -> Create a NEW label in Master page With the Name lbl display.
- -) Go to Home. aspx. cs White the following code.
 Protected Void Page-Load (11)

Label LI = (Label) Master. Find (ontsol ("lbl.Display"); LI. Text = "Welcome To My Hebsite";

- contactus aspx.cs. alexation apx non.
- > code for aboutus. aspx.cs.

Link Button LBY = (Link Button) Master. Find control
("Link Button 2"))

LBy. Visible = false;

Label Ly = (Label) Master, Find control ("16h display"); Ly. Text = "hielcome -to About us page";

* Differences b/W Webusen control And Master page:

5.40. Heb usen control

Master page

- 4. Usen control will have a default extension of ...
- I have Master page Will have a n of default Extension of Master.
- 2. Usen control does not contain HTML>HEADY> Tags.
- Master pages Contain KHTMLY KHEAd> KBODY> Tags.
- 3. To Create a user control He use Heb user control Template in vs. net.
- To Create a Master page We use Web Forms Master page template in VS. net.
- 4. A usen control Will be Executed for Every client, nequest
- A Master page Will be executed for the first orequest of client only.
- 5. Execution of usen control is slow.
- Execution of Master page 1s fast.

- 6. Usen control can be used to implement partial page cache.
- To usen control cannot be customited from other. Heb pages.
- 8. To consume the user control with In the Web Page He Need to negister the user control With the Heb page using <1. @ Register —> page directive.
- 9. Web user Control Will be Created by using <100-Control ... 0/0> directive

of diagnostory

- In Any Heb user control is Inherited from user control Class of System. Heb. UI Name space.
- 11. Supposts in all versions
 of Aspinet (1,0,1.1,2.0)
 3.0,3.5,4.0,4.5,5.0)

Master page (an be used to implement pasitial page (ache.

Master page can be content pages.

To use the Master page
With in the content pages
It is not neguined to
negister the Master page
nother use Master page file
attribute With the Web page
directive.

Master page Win be Greated by using <0/0 @ Master...0/0> Directive.

Any Web page is inherited from Master page class.

of system. Web. UI

Name space.

Does Not suppost in all

Versions of Asp. net,

included in 2.0 Vension of

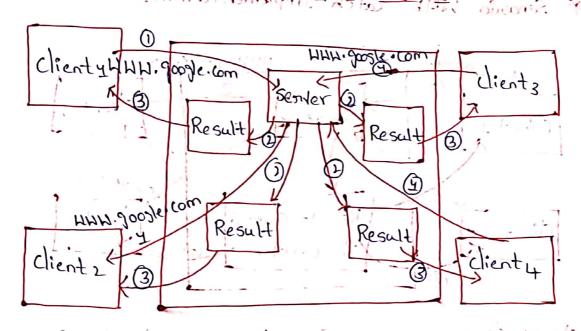
Aspinet.

Sno	Web User Control	Master Page
01	User control will have a Default	Master page will have a Default
	extension of .ascx	extension of .master
02	User control does not contain	Master page contains < Html>
Š.	<html> <head> <body> tags</body></head></html>	<head> <body> tags</body></head>
03	To create a user control we use	To create a Master Page we use
	WebUserControl template in	WebForms MasterPage template in
	VS.Net	VS.Net
04	A user control will be executed for	A Master Page will be executed for
10 10	every client request	the first request of client only
05	Execution of user control is slow	Execution of master page is fast
06	User control can be used to	Master page can be used to
	implement partial page cache	implement partial page cache
07	User control can not be	Master page can be customized from
	customized from other web pages	the content pages Scanned with CamScanner

06	User control can be used to	Master page can be used to
*	implement partial page cache	implement partial page cache
07	User control can not be	Master page can be customized from
	customized from other web pages	the content pages
08	To consume the user control with	To use the master page with in the
	in the web page we need to	content pages it is not required to
3	register the user control with the	register the master page rather use
	web page using <%@Register>	MasterPageFile attribute with the
	Page directive	Web page directive
09	Web User Control will be created	Master Page will be created by using
	by using <%@ Control %>	<%@ Master %> Directive
	Directive	
10	Any Web User Control is inherited	Any Master page is inherited from
	from UserControl class of	MasterPage class of System.Web.UI
	System.Web.UI Namespace	Namespace
11	Supports in all Versions of	Does not support in all Versions of
	ASP.Net (1.0,1.1,2.0,3.0,3.5,4.0,	ASP.Net, Included in 2.0 version of
	4.5, 5.0)	ASP.Net

* catche: In Aspinet:

- Jatche in Aspinet is similar to catche menory In hardware.
- -> Catche is used to store the nequired data temporarily with in the memory for nequired Period of time.
- -) Catche will help to improve the application performere * Senario Without Catche Implementation:



Step 1: Client send Request for a page to the server Step 2: Server will process the client Request and generates the Result.

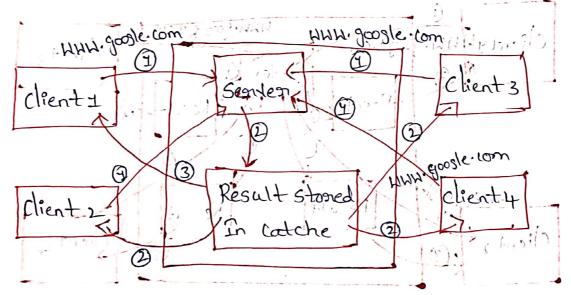
Step3: Result is delivered to the dient

- > once Result is delivered to the client, the Execution onesunt of server side will be destroyed.
- -) for Every other sequest of the some dient or different dient for the same page request will be

Represented again.

This will increase burden on the Sender and will steduce the application performance because though there are no modifications in the page, page Request is reprocessed again and again unnessarily. To overcome this drawback catche is used in Asp. net.

* Seranio With Catch Implementation.



Steps: Client Sends nequest from a page to the Server Steps: Client Request is processed at server And the Steps: Result is stoned in catche Memory.

- The Response is delivered to the client after delivering Response to the client, nexut is not destroyed, nother nexut is stored in catche.
- -> If same client on some other client sends nequests for the same page, Then Request Will not Scanned with CamScanner

be Reprocessed, smaller catche de mesult is delivered
to the client, This Will Make application execution at faster nate.
-K Types of Catche In Aspinet:
-> Aspinet Will supposite Three Types of catche
4. Data catche:
2. Page of a to de codoba
3. Partial page catche Fragment catche.
4. Data catcher
-> Data catche is used to (implem) store the Required
data With in the catche and can be used to access
the catche accross Multiple pages.
-> catche Win Store the data with object type.
Syn: Catche ["Vaniable Name"] = Data;
Ex: cache ["a"] = 20;
Cache ["b"] = 30.5)
Cache ["c"] = "Welcome";
* Example With Data Catche:
-) Coneate a NEW Hebsite With the Name WebApp Catche
-> Create two pages With the Name Sample I. aspx,
Sample 2. aspx. Entervalue of a
-) Design of Sample I. aspx. Entervalue of b
-) Design of Sampleziaspic Submit
Enter Value of a
Enter Value of b Scanned with CamScanner

Code for Sample L'aspic. Contrar l'aspice de l'aspice Cache ["a"] = txt sample! Text; . () 10 Cache ["b"] = txtSample2: Text; Response Redissect ("samplez.aspx"); -> Code for sample 2. aspx. cs . solution tuptor full Protected Void page-Load (11) tit Sample y. Text = cache ["a"]. To storing (); tetsample 2. Text = Cache ["5"]. Tostoring (); word of word out and kno solder all of other sto is colone account the pipe in etche 15% others the date will, object type. : control [Vicalization of the standard] . The ! 600- ["0"] and (("UE . - (" 3 47 3 H ...) innerstant Lisis manis Europe With Dato eatenes intermediate amobile with 144.

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