Protected void btnsubmit-click (

Cache ["a"] = txt sample! Text;

Cache ["b"] = txt sample2. Text;

Response. Redinect ("sample2.aspx");

Code for sample 2.aspx.cs

Protected Void page-Load ( 11 )

Ext sample 1. Text = cache ["a"]. To string ();

## Page output catcheir an and men de sur sur sur

-> Page output catche is used to Maintain the catche for that Entire Nebpage.

txt sample 1. Text = Cache["b"]. Tostoning ();

grayor sill mote (undgrie) ale hour

- -> At first Request of Any client Request will be processed and stored in catche.
- J From the next neguest of the same client cons different client Request Win Not be neprocessed nather, catche nesult will be displayed.
- -> To Maintain the output catche he use -> 1. a. output catche page ditective. like
- > (% @ output catche Duration = "Time in secs" Van By panam = "noned/>

\* Example To implement page output caches

#### lbl display

#### Submit

Go to · cs file muite the following code:

Protected void page-Load ( " )

{

Ibl display. Text = Date Time. Now. To storing ();
}

Protected Void btnsubmit\_click ( ")

{
lbldisplay. Text = Date Time. Now. To staring ();
}

- >To Implement page output cache go to aspx file switch to Source Write the following code.
- → 600 @ output cache Dusiation ="120" Vasi By passam ="none
- \* Example Hith Vary, By paramit.
- Isually catche data will be updated after completic of time period that is set in duration.
- -) But if would like to update the cache based on a parameter value Then we can use vary by para attribute.

Enter Any Value [ [lbl display)

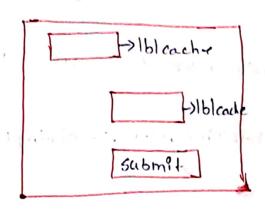
- Submit button click Event.
  - Protected void btnschmit-click ( "

    §

    Ibl display. Text = DateTime. Now. To storing ();
    }
- To to aspx file Go to Source Worke the following code To Implement pageout put Cache.
- -> (% och put cache Dunation ="120" lang param = "tetsampley" %)
- ) In this case, cache will be updated in two Conditions
  - I. When diviation completes
  - 2. When data in Textbox txtsample & changes
- \* Partial page cache fragment cache!--
- -> Partial page cache is used to Implement the cache for some postion of the page to not for other postion of the page.
- Some postion of the page all the controls for Which cache if neguired Will be in a was control and page out put (ache is implemented for the uses control.

When this user control is included in other Hebpage, Then cache will be Implemented for The postion of user control for that page and not Implemented for other postion of the Webpage.

## \* Example With partial page cache



- -> Greate a much usen control mith the name Usrctrl cache.
- -) Create a label Go to source and Worlte the
- -> (%@output cache Dusiation = "90" Vasi Bypasam = "none" %)
- -) Write the following code in page Load Event of the uses contsol.

Protected Void page-Load ( 11 )

f

lbl Cache. Text = Date Time. Now. To string (1;

- -) (reate a NEW Webpage With the Name samples.
- -) Create a label and Submit button Hrite-the -pollowing code Pn Source to include the user control.

- > 
  > 

  > 

  <pre
- -> 90 to . cs file Warite the followling codes in Submit button.

Brotected Void betnsubmit-click ( 11 )

{

Ibl No Cache. Text = Date Time. NoW. To storing (1;

- \* Control state: Is who will down a should -
- State for individual Control within Aspinet.

  Control state is responsible to Maintain data.

  and all other properties state for a control

  In Aspinet.
- -) As a developes we didnot write any cooke to.
  Maintain state for the control.
- -) Microsoft developers abready return cade to Maintain state for the control.
- \* View state: will the symplet with a stand ?.
- -) View state is used to Maintain state of a Web page.

- Joseph State Will Store. The data in Encrypted form. and view state is hidden object. that is usen cannot see the view state data.
- some View state is Greated View state always.

  Will travel from client request to server and

  Server response to client.
- I liet state Hill reduce the application performance in general. if we want to store our own data in view state He can store like
- -> View state ["Key"] = Data;
- -> View state will stone the data with object type.
- as a developes He can gretrieve the data of with state and can do any modifications if required.

## \* Page life cycle in Aspineti

- Page life cycle represents the larious stages
  Page will undergo once request is submitted to
  Server until response is delivered to the client.
- -> Usually along with stages there are larious Elents Indied in Elevy page life cycle
- -) An page life cipcle will contain 8. Stages and 12 Events associated With in.
- -> stages associated in page life cycle.

6. Post-back Event Handling not think is state upon book on 2. Start intermedian in Rendering intermediate 3. Initilitation will british ! 4. load 5. Validation sorter suspense to there. -> Elents associated with page life cycle 1. Pare in hit work of the Load complete 2. Trit 8. Pore Render 3. Initiomplete 9. Pore Renden Complete 4. I'me Load 10. Save complete Load Me Me doit 6. Control Event 12. Unload Poetback Event handling

- II Thurst De Edit Van
- 1) PreInit
- 2) Init
- 3) InitComplete
- 4) PreLoad
- 5) Load
- 6) Control Event
- 7) LoadCompelte
- 8) PreRender
- 9) PreRenderComplete
- 10) SaveComplete
- 11) Render
- 12) UnLoad

I

## Stage Y: Page Reguest:

The page Request Will begin When the page is nequested by the client of user from the browser ) When nequest neaches IIS, IIS Will Check Whether cache is available to the page of Entire nequest should be neprocessed.

## Stage: 2 Stant:

> During this State page peropenties like

Request Repponse of Culture Etc (08) set and also it will determine Whether the page nequest is first nequest of post back nequest. Using post back property.

## Stage: 3 Initialization!

During this stage complete page properties are Initialized, Every controls unique Ids is available. Rut, other properties Will not be set.

#### Stage + 4 Load :

During this stage all properties Values of Every control of set, if the request is post-back request, all the properties Values are recovered from the control state and view state.

inestable to

### 5. Validation:

This Will be executed in case of Postback Request. for Every control Validate Method is Executed and is valid property for the controls Individual Validation Controls is set and also for the page.

# 6. Post back Elent Handlingt

During this Stage code available in the event Using Which the page neguest is submitted to the User Will be executed! It sanglass formation

7. Rendening & Hand test to thought them is not but -> Before Rendering the data of the control State and View State is saved then deling Rendering Render Method is called for Every control Individually and also for the page.

the softial teld to the -) Render output is networn to the output stream of the Response object for the page. Then output is delivered to client.

#### 8. UNLoad +

once output is delivered to the client unland Stage Will begin and during this Stage Individual objects of the controls are distroyed

: pool + toda

and page object is also destroyed, any other cleanur