* State Management in Asp. net:

- I State supresents the currently available data.
- J Known as control state.
- is known as page state.
- -> Coverently available data with user is Known as

* Staless Nature:

- -> In Heb Applications the control state of page state of user state will not be maintained at server side of at client side. This is known as "stateless Nature":
- -> This is because met Applications mill work with 4ttp protocol and 4ttp protocol is statelies Protocol:

* Statefull Nature:

- Noture"

 Neeping the control state of page state of user state between client preguest to server and server gresponse to client is known as "statefule Noture"
- -) Maintaining the state in Asp. net is most Impostant to keep the data of the control,

Page and usen available to the user Interaction to the user Interaction to the user Interaction

To Maintain the state between request and suspenses Microsoft is providing following state
Management techniques.

- J. Hidden fields
- 2. Control State
- 3. View state
- 4. Owery storing
- 5. Cooking
- 6. Session
- 7. Application
- Q. Cache

-> client side

Techniques

-) Server side

Techniorus

Y. Hidden fields:

-> Hidden fields are used to maintain for the required data in the torm of Variables or HTML fields.

sonce a hidden field is created it will travel from server response to client and client request to server.

- and used with input Type like:
- * (input Type = "Hidden" Name = "a" Value = 10"/>
- * (input Type="Hidden" Name="b" Value="20.5")>
- " (input Type = "Hidden" Name = "UName" talue = "Raju")>

* Advantages of hidden fields:

- -> hidden fields one best suited to used in following sensorios.
 - I. Where We Hant to Maintain state for small
 - 2. Where security of the data is not perimary concern.

* Drawbacks of Hidden fields.

→ as hidden fields stone the data in plane Text format. it is not suitable for stoning sensitive data.

2. Sixe site limitations:

Thidden fields can be used to storce small amount of data and When We want to storce large amount of data hidden fields, one not switable.

the and water the golden

3. Hidden fields will increase network boffice
-> if He create mose hidden fields to always
hidden fields travel from server oresponse to
Client and client prequest to serves this will
increase the network traffic and there are. Changes of applications become low.
* Example with hidden fields:- to experiently
Value of a
Vadue of believed in
paris to i Slibmiti pyman. wall . 2)
Samplet aspx. design the page. To to source and write the following code to create hidden fields.
* l'injust Type = "hidden" name = "a" lalue = "10". granat = "Seower"/>
* l'injout Type = "hidden" rame = "b" Value = "20.5"
~ <input grunat="Segrier" nalue="Raju" name="UName" type="hidden"/>
> 40 to . cs file and Write the following
code for submit betton click Event.

Scanned with CamScanner

Brotected lord both Submit - click (txt Sample 1 . Text = a. Value; Lit sample 1. Text = b. Value, txt samples. Text = UName. Value; & Hoking With ornery storing in Aspinet: A orcieny storing is key and Value pain Which is oppended At the End of URL Address. > ormery storing is used to transfer the data from one page to a other page. +> owery. String will stone the data in plain Text format. -> omery storing is usually visible in address bor of the borowser. I with in the owery storing Each Key and Value Pair data is seperated using 4" (Amphorscent). >Maximum characters that are allowed in ornery string one 2084 Encluding URL Address. -) if If We Hould like to thansfer the Values from source page to target page like: 5=10.5 UN ame="sa;"

Tanget page

Sounce page

	In source page We Will Write
	Louis code
	following code.
sh	Response. Redinect ("Tanget page URL ?a=10\$b=205\$ UName = Sai");
76	UName = Sail");
- >	In Target page to access this owery storing
	data de lise following alode.
ŧ	Request onery storing [an] -> 10
*	Request. Ornery Staring L'Unovice J
	(Mangle latth Older 7.
	Enter value of a lalue of a
	Enter Value of b Value of b 1
	Submit
	Sample 2. aspa
	. Sample 1. aspx