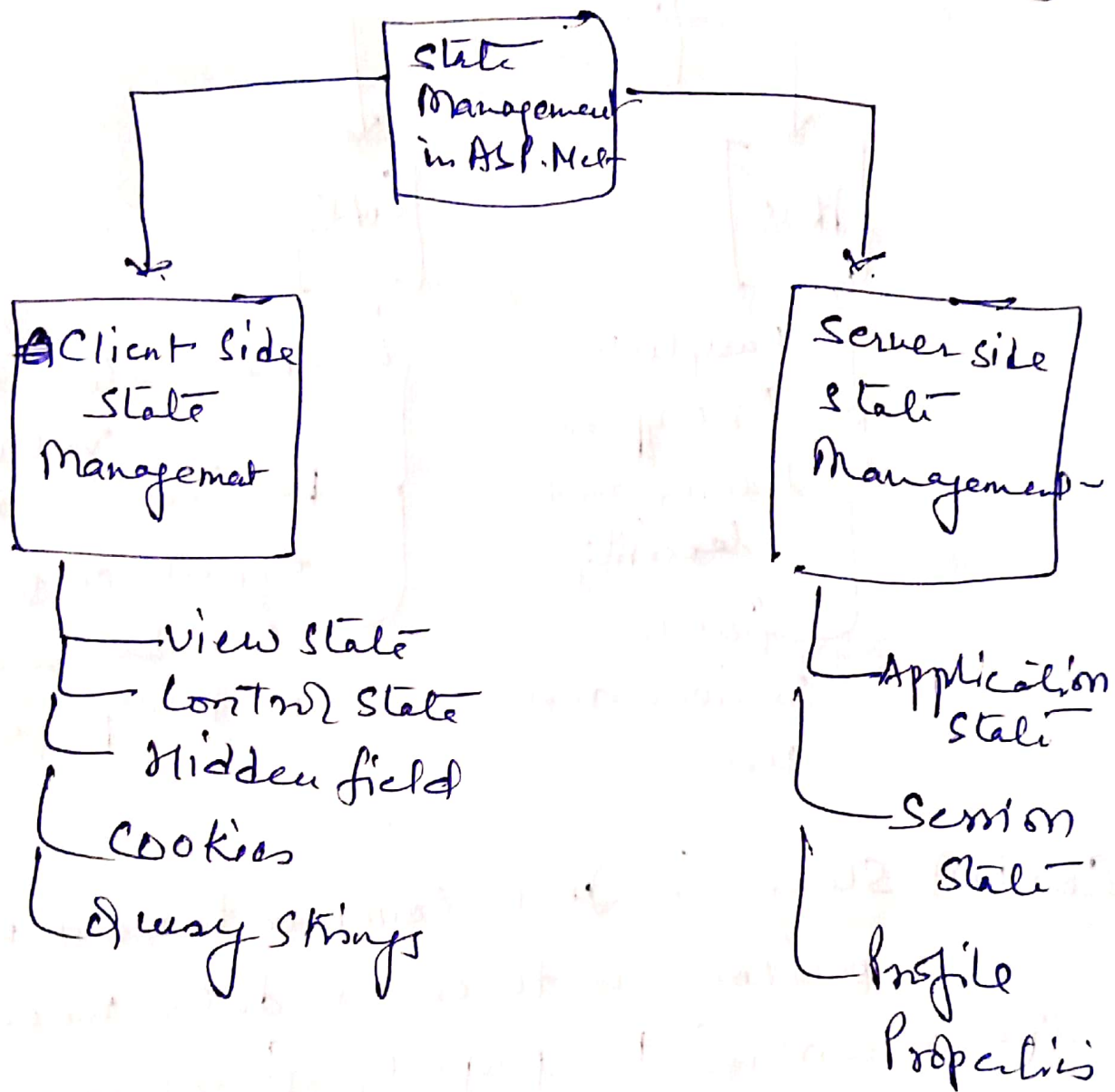


State Management Techniques in ASP.NET

①

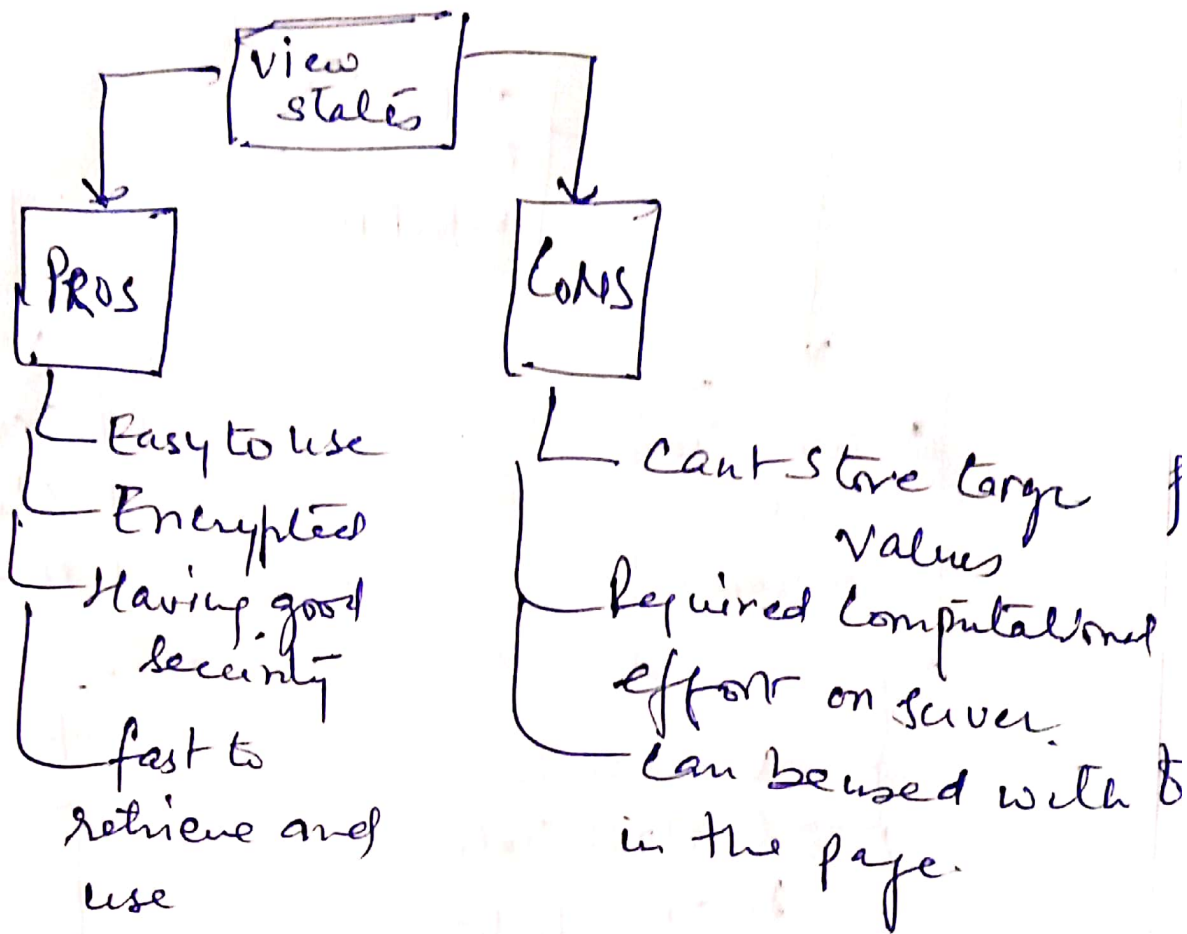


Client Side State Management

- ① View state :- View state is an approach to saving data for the user. Because of the stateless nature of web pages, regular pages member variables will not maintain.

(2)

~~View~~ View state is the mechanism that allow state values to be ~~preserved~~ preserved across page.

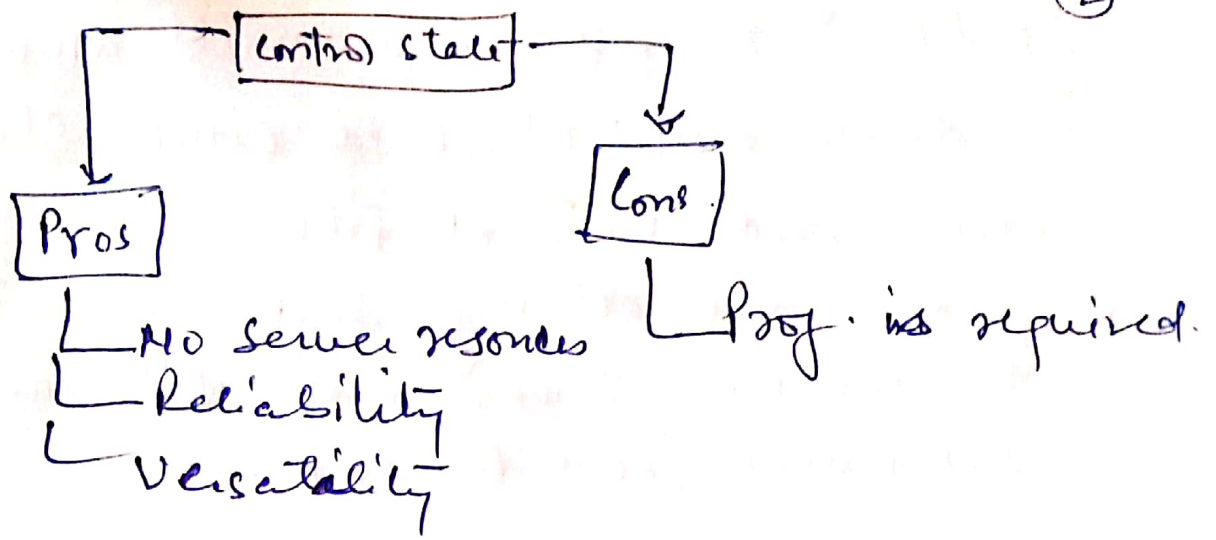


Control State - It is common to used in repository is to cache data necessary for a control to properly function. It is used to store small amounts of critical info.

There are two methods you have to implement in your custom control.

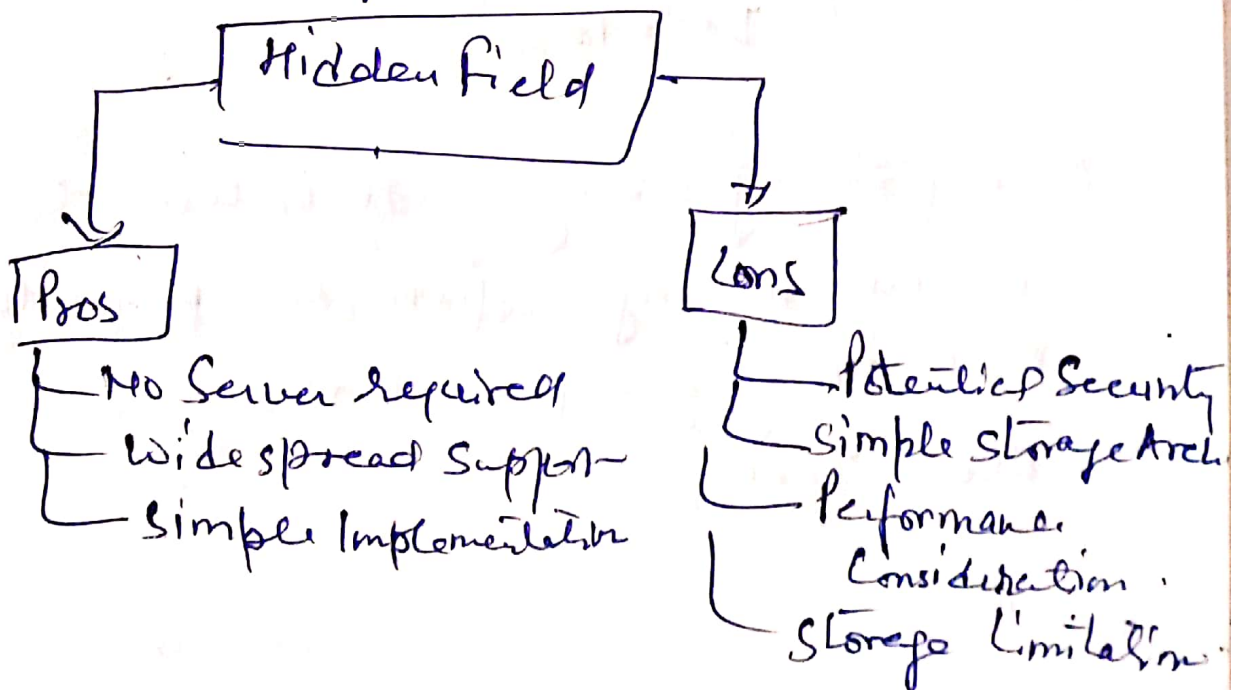
- Load Control state
- Save Control state

(2)



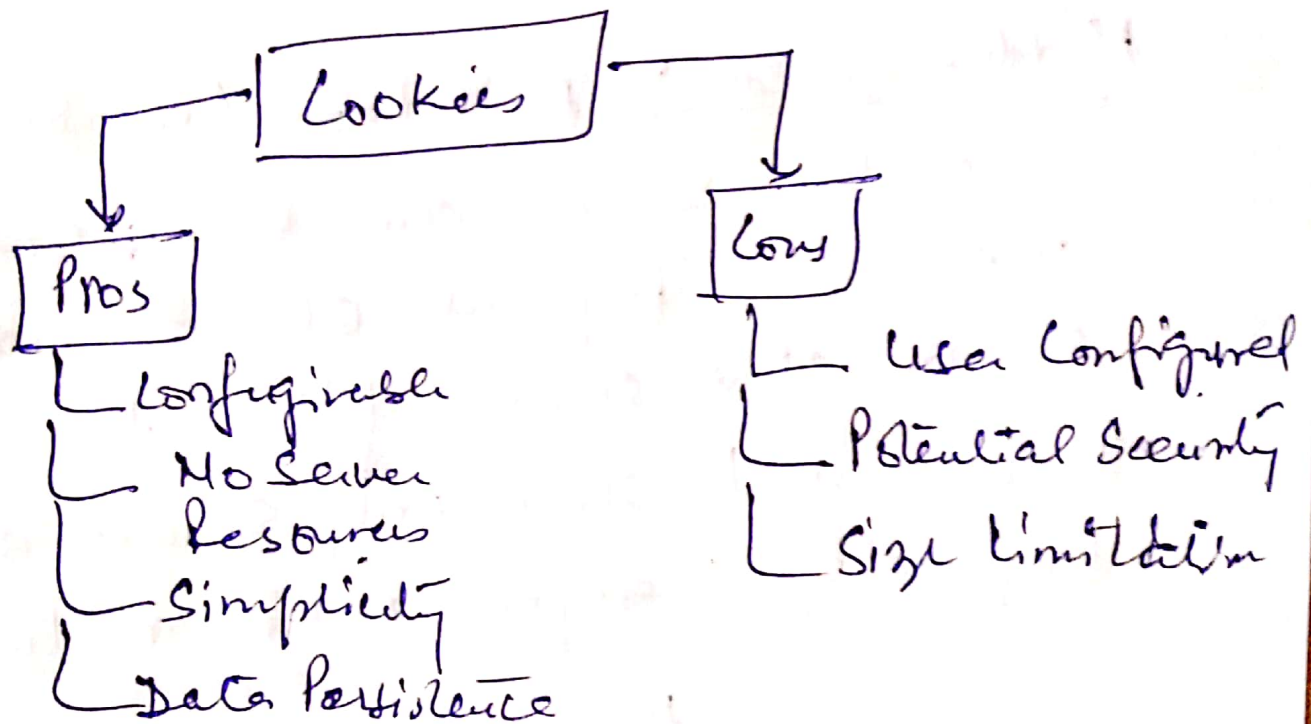
⑤ Hidden field :- A Hidden Control is the control which does not render anything on the web page at client browser but can be store some infoⁿ on the web page.

- It is best to store only small amounts of frequently changed data on the client's



Cookies :- A cookie is a small amount of data ~~stored~~ which is either stored at Client side in Text file.

Cookies are always sent with the request to the web server and infoⁿ can be retrieved from the cookies.

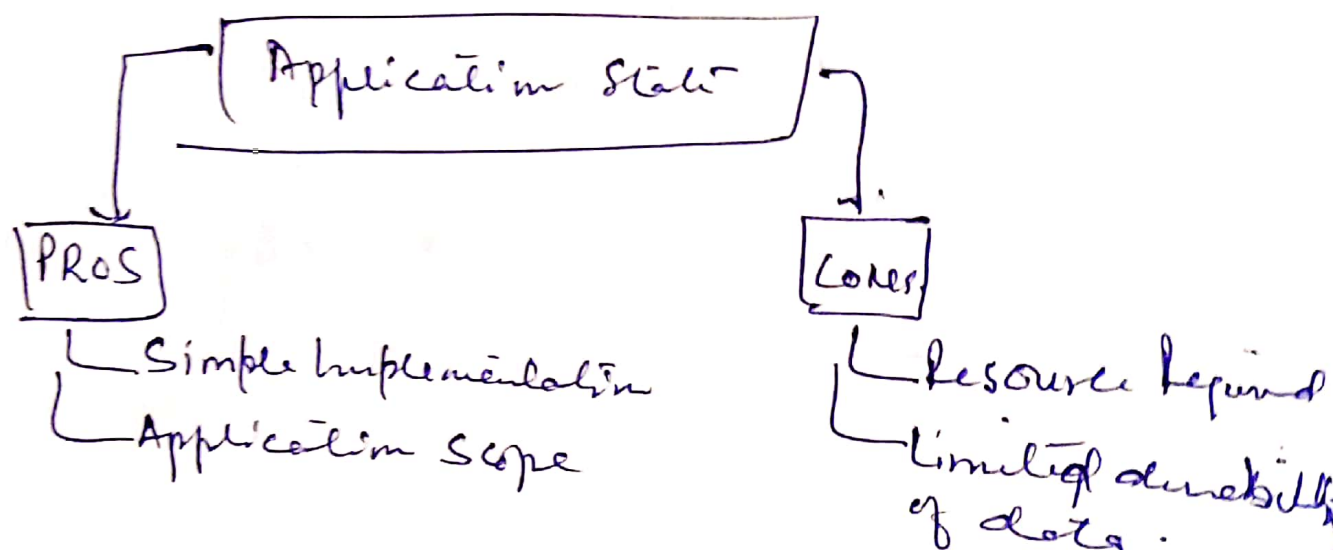


Query string :- It is used to pass the values or infoⁿ from one page to another page. They are passed along with URL in Clear Text.

SERVER SIDE STATE MANAGEMENT

(7)

Application State :- It is used to store information which is shared among users of the ASP.NET web application, it is stored in the memory of the windows process which is processing user request on the web server.



SESSION STATE :- It provides a place to store values that will persist across page request. Values stored in Session are stored on the server and will remain in memory. It defines the period of time that a unique user interacts with a web application.

