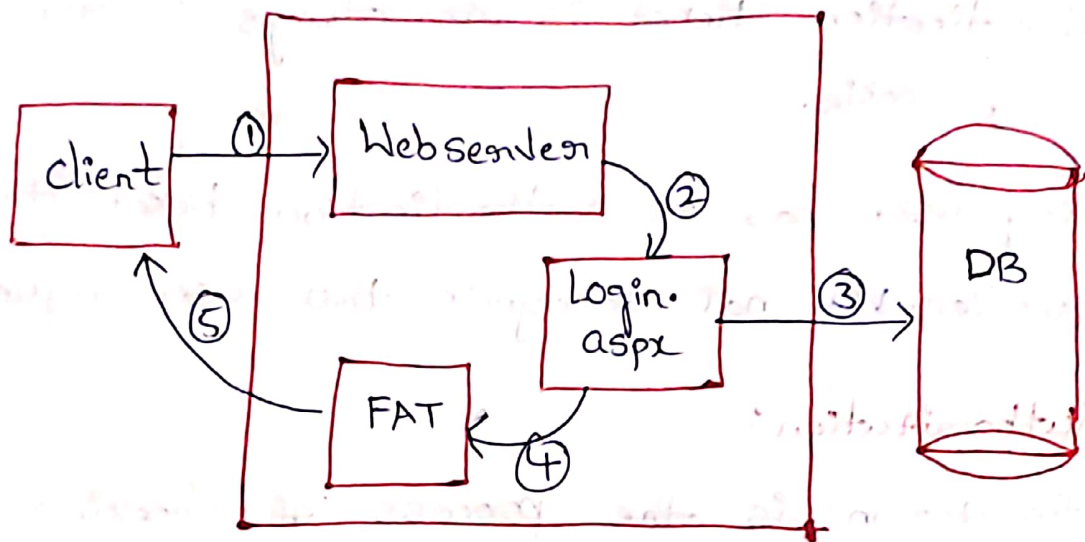


* Forms Authentication in Asp.net:-



- ① → Client sends request for a restricted page to the Web server.
- ② → Web server will redirect the ^{user} request to another page i.e. login.aspx.
- ③ → In login.aspx user credentials are accepted and cross verified from the database.
 - If user credentials are invalid then error message is displayed to the user.
- ④ → If user credentials are valid user will be given an authentication ticket known as Forms Authentication ticket.
- ⑤ → User will be redirected to the requested page along with forms Authentication ticket.

* Forms Authentication class:-

→ This class will provide various methods and properties that are helpful to work with forms authentication.

→ This class is available in System.Web.Security namespace.

→ Methods with forms authentication class:-

1. Authenticate (string username, string password)
2. Decrypt (string encrypted Ticket)
3. Encrypt (Forms Authentication Ticket Ticket)
4. GetAuth cookie (string username, bool create Persistent cookie)
5. GetRedirect URL (string username, bool create Persistent cookie)
6. Hash password for storing in config file (string Password, string password Format)
7. Redirect from login page (string username, bool create persistent cookie)
8. Redirect To login page ()
9. Set Auth cookie (string username, bool create Persistence cookie)
10. Signout ()

1. Authenticate:-

This Method is used to validate the user credentials against the user credentials stored in web.config file. If user credentials are valid, this Method will return true. Otherwise this Method will return false.

2. Decrypt:-

This Method is used to Decrypt the Encrypted Authentication ticket.

3. Encrypt:-

This Method is used to Encrypt the Authentication ticket.

4. GetAuth cookie:-

→ This Method is used To perform the following tasks.

→ Creates an Authentication Ticket (cookie) for the Given user Name.

→ This Method will not perform the following Tasks.

→ Cookie is not Added to Cookies collection
user request is not redirected, To the Requested page.

5. Get Redirect URL:-

This Method will return the URL Address for which page user Requested.

6. Hash password For storing in config file:-

This Method is used to Encrypt the given Password With the given format.

7. Redirect From Login page:-

→ This Method will perform the following Tasks.

1. Creates An authentication Ticket to the Given user.

2. Adds This cookie (or) Authentication Ticket to the cookies collection of response object.
Out going

3. Redirects the user Request to the Requested Page.

8. Redirect to Login page:-

This Method is used to redirect the user Request back to Login page.

9. Set Auth cookie:-

This Method is used to perform the following Tasks:-

1. Creates An authentication Ticket to the Given user.

2. Adds This Ticket (or) cookie to the cookies Collection of Response object.

→ This Method Will not perform the following Tasks:-

1. it Will not Redirect the user Request to the Requested page.

10. sign out:-

This Method Will Remove the Authentication Ticket. from the browser.

* Properties With Forms Authentication class:-

1. Time out

2. Forms cookie Name

3. Default URL

4. Login URL

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* Properties With Forms Authentication class :-

1. Time out

2. Forms cookie Name

3. Default URL

4. Login URL

1. Time out :-

This property Will get the time out period of the Authentication Ticket.

2. Forms cookie Name :-

This property Will get/return the cookie Name in which, authentication ticket is stored.

3. Default URL :-

This property Will Return the URL Address for which user Requested.

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2. Adds This Ticket (or) cookie to the cookies Collection of Response object.

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This property Will get/return the cookie Name in which, authentication ticket is stored.

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This property Will Return the URL Address for which user Requested.

4. Login URL:-

This property will return or get the Login page Name i.e. used in the Website.