SINGLE SIGNON FUNCTIONALITY IN HATS USING MICROSOFT SHAREPOINT PORTAL

SINGLE SIGNON:

Single Signon feature allows users to authenticate themselves once with their credentials i.e. Usernames and Passwords and allows them to access different Enterprise Applications, which each uses different type of authentication, through multiple Web Parts. Each Web Part can automatically sign on to its enterprise application without prompting the user to provide credentials each time.

SINGLE SIGNON in HATS with the HELP of MICROSOFT SHAREPOINT:

HATS, with the help of Microsoft Share Point Portal, enable Single Signon Functionality. A very simple .Net program could be written to get the current Windows User Name and read the password from the database table.

Once SharePoint WebPart receives the Windows User Name and Password, it passes these credentials to HATS application via IFrame. IFrame (Inline Frames) are windows cut into the webpage that allow visitor to view another page on the site or off the site without reloading the entire page.

HATS add some custom business logic on the start event, which grabs these username and password from the SharePoint, creates the Global variables and sets these global variables with these credentials that can be used in the Login screen.

On the Login Screen HATS needs to create Screen Customization that accepts the Username and Password from the Global Variable and passes them to AS400 screen and presses ENTER.

Below is the sample code which performs all the business logic in HATS of creating global variables and sets them with the credentials coming in the SharePoint request.

```
/**
    * Method that executes business logic on a session
    * This is invoked by the runtime when an Execute Action is requested
    * in the Screen Customization Event
    * @param bllnfo - Contains useful information about the current application
    */
```

```
public static void execute(IBusinessLogicInformation blInfo)
   {
     try
      {
         //add code here to perform your business logic
         //Grab "username" and "password" request parameters
              String username = blInfo.getRequest().getParameter("username");
              String password = blInfo.getRequest().getParameter("password");
              //**If needed the password might need to be decryted so it could be
sent to the AS/400.

              //Run code here to decrypt the user name and password (if
necessary)

              //create the "username" HATS global variable and set its value
              setGlobalVariable(blInfo, "username", username);
              //create the "password" HATS global variable and set its value
              setGlobalVariable(blInfo, "password", password);


      }

      catch(NullPointerException exception)
      {
         System.out.println("Exception " + exception);
       }

    }




/**
      * Example method that sets a named global variable from the current
session to a value
      * @param blInfo - IBusinessLogicInformation from current session
      * @param name - Name of the global variable
      * @param value - Value of the global variable
      */

public static void setGlobalVariable(IBusinessLogicInformation blInfo, String
name, Object value)
     {
         IGlobalVariable gv = blInfo.getGlobalVariable(name);
         if ( gv == null )
         {
              gv = new GlobalVariable(name,value);
         }
         else
```

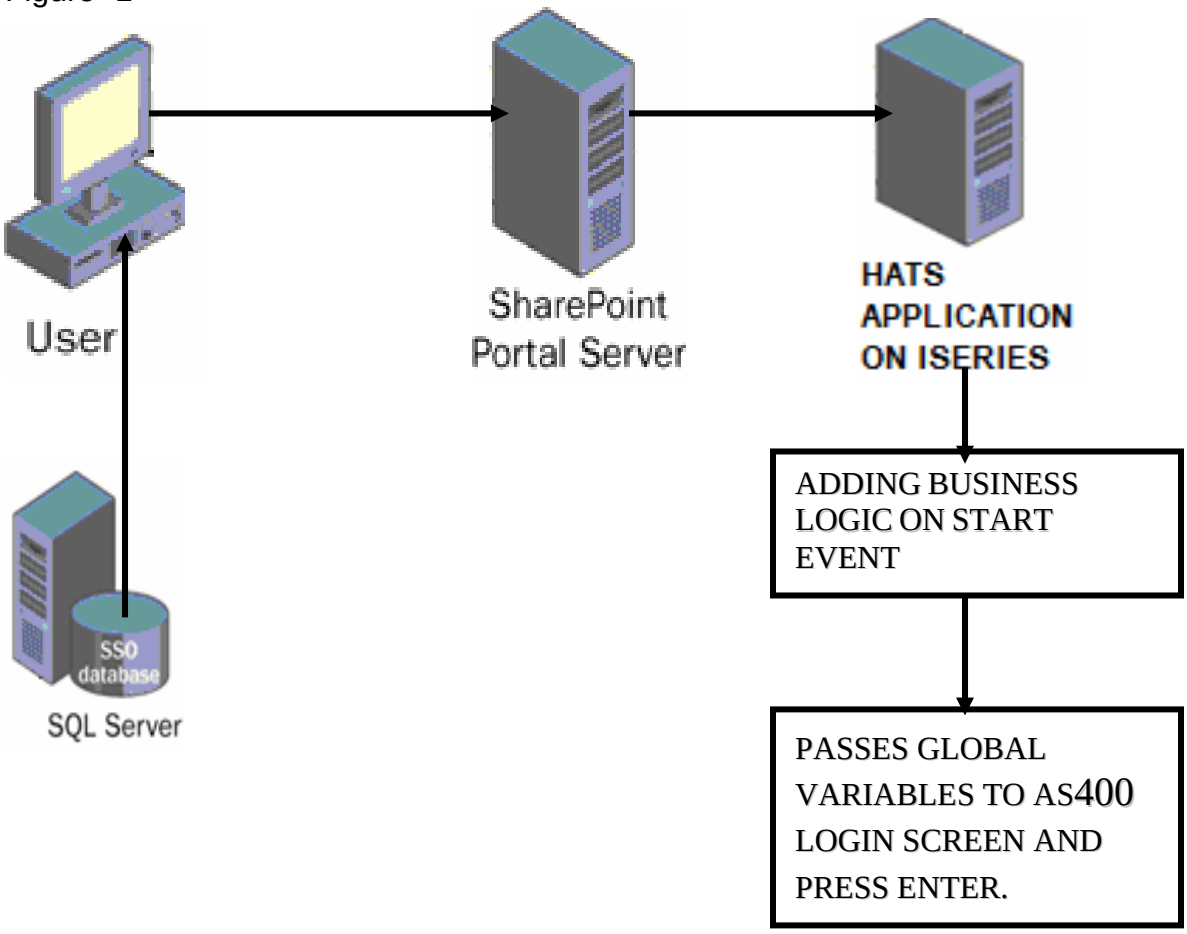
```
        {
            gv.set(value);
        }
        blInfo.getGlobalVariables().put(name,gv);
    }

public static IGlobalVariable getGlobalVariable(IBusinessLogicInformation
blInfo, String name)
   {
      IGlobalVariable gv = blInfo.getGlobalVariable(name);
      return gv;
   }
```

This process is shown in Figure -1. The steps are as follows:

1. Simple .Net application grabs the Windows Username through some code and grabs the corresponding password from some database table for e.g. SQL Server.
2. A user accesses the Web Part that is pointing to the HATS application. The Web Part code has the URL that includes the username and password and directing to the HATS application.
3. When the HATS application receives these credentials from the SharePoint, it adds some custom business logic on the start event and creates Global Variables and sets these variables with the values in username and passwords.
4. Create the screen customization on the Login Screen which accepts the username and password values from the Global Variables and passes them into AS400 Login Screen and presses ENTER.

This Single SignOn process uses the same Windows Username and Password to authenticate the user only once and enable him to login on the HATS application without authenticating himself again.

Figure -1


User
SharePoint
Portal Server
HATS
APPLICATION
ON ISERIES
SSO
database
SQL Server
ADDING BUSINESS LOGIC ON START EVENT
PASSES GLOBAL VARIABLES TO AS400 LOGIN SCREEN AND PRESS ENTER.

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