**WORDPLAY APPLICATION**

The application has been deployed at the following link:

<http://webstrar6.fulton.asu.edu/page6/home.aspx>

Work Done:

**Member Name: Abhinav Singh**

1. Public Page:

File Name: home.aspx

Function: Introduction page for the users and give some general system data.

2. Member Page:

File Name: login.aspx, Register.aspx and Default.aspx

Function: Members can register themselves and access the services provided by the web application.

3. Local Component Layer: **User Control**

File Name: Date.ascx, IPAddress.ascx, login.ascx, and Register.ascx

Function: Some general functions needed done in the web application

4. Remote Service Layer:

File Name: Services in the page Abhinav.aspx

Function: Services that were done by me are: Top10Words, Top10ContentWords, WordFilter and Word Permutation. None of the mentioned services are from any public repositories.

5. Data Management Layer: **XML File**

File Name: User.xml and Staff.xml

Function: The credentials of each user as well as staff are verified using the above files. User.xml stores information about the new registered members (Customers) and the staff.xml is used for authenticating the staff members.

Test Cases:

**1. Authentication and Authorization:**

Search the username in the User.xml, if there is no such username, access denied. If a username exists, but password is incorrect, access is denied. Else, access is given. For the staff, search the username in the staff.xml, if there is no such username, access is denied. If username exists, but password is incorrect, access denied. Else, access is granted. We have a register page to authorize registered customer for accessing the string service. New users must enter their passwords twice to confirm the passwords and must also pass the image verification. Also, usernames of the administrators, are not allowed in this register page.

Inputs:

Username: rohan Password: jawali Role: Customer (Redirected to Default.aspx)

Username: Abhinav Password: Singh Role: Staff (Redirected to Abhinav.aspx)

Username: Vinit Password: Badrike Role: Staff (Redirected to About.aspx))

We had used Captacha verification while registering members. It was working perfectly on localhost but for some reason did not work on webstrar. So for now we have removed that part and will be doing it before submitting the next part.

Directory Listing:

1. Dll: This folder contains the class library implementation of Encryption/Decryption service.

2. Dll2: This folder contains the class library implementation of String Similarity service.

3. Publish: This contains the solution file for the entire web application.

4. Services: Contains Top10ContentWords folders which encapsulates all the services that were used in deploying the web application on the server.

For Deploying on Localhost, just run the respective solution files in Services and the Publish folders respectively.