WSC Software Occupational Specialism Exam 02

Task 2 Design documentaion

# Iteration 1 – Version 0.1

In this iteration the main concern is functionality to ensure that pages linked to each other

## Homepage.aspx

A close-up of a text

Description automatically generated

A screenshot of a computer program

Description automatically generated

Created the base for the nav bar without that would lead to other pages and a temporary body of content that will be replaced in the future, and created a footer that would contain links to lesser used parts of the site.

## Login page

A computer screen shot of a login box

Description automatically generated

In this iteration I just made sure the nav bar link to the correct pages e.g. homepage links to the home etc.

## Register page

A screen shot of a computer

Description automatically generated

Added txt boxes and register button for next iterations.

# Iteration 2 Version 0.2

In this iteration I wanted to make sure you can login, register and that certain pages are available to users or admin.

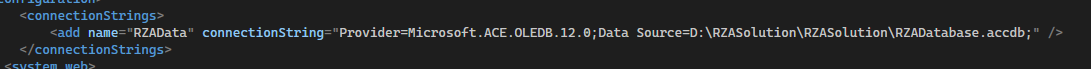
## Homepage

A screen shot of a computer program

Description automatically generated

Most buttons lead to a certain part of the site that has been developed note that buttons may change and more buttons will be added such as the one for education visit, the reason asp buttons are used instead of HTML buttons are because asp buttons allow for adding session states this may be changed in the future for the homepage, the footer uses html buttons as no authentication is needed to view pages like FAQ.

## Web.config



Added connection string named RZAData, this is the backend for the website allowing login registering and more the database used access database. **NOTE: Data Source needs to change based on what drive RZASolution is in e.g., D:\ drive for a USB drive other wise the websites wont be able to access the database.**

## Login page

A screen shot of a computer program

Description automatically generated

Connection string is added to the login page so the page can access the database.

A computer screen shot of a program code

Description automatically generated

A screen shot of a computer

Description automatically generated

BtnLogin\_Click that is linked to the login button above is a function that gets the username and password from the ASP textboxes on the HTML page then it authenticated the user using a function that will be explained later for now just know it returns either the user id of the person logging in or -1 if it can’t find it.

The first if statement confirms the user is authenticated then sets the session of the UserID which will persist for the rest of the users session until they logout.

Second if statement checks if the user is identified as a admin in the database or not redirecting the user to the appropriate page based on that.

Then if the user failed the first if statement it will inform the user the information entered doesn’t match any in the database.

A computer screen with colorful text

Description automatically generated

AuthenticateUser is a function that takes username and password then uses a SQL query and attempts the find the userID from the database of that matches if it can’t it will return -1 or if it does it will return the userID of that user.

A computer screen shot of code

Description automatically generated

Admin check does essentially the same thing as authenticateusers but instead pulls the admin columns and returns a Boolean if the user is an Admin or not and returns it as a Boolean.

## Register page

A computer screen shot of a program code

Description automatically generated

A screenshot of a computer

Description automatically generated

btnRegister\_Click is linked to the register button, when pressed it pulls from txtUsername and txtPassword which are shown above then the function checks if the username already exist if yes it will prompt the user that the username is already used if not the function adds the username and password to the database.