Assignment 4 – Report

The website for this assignment can be accessed at
http://cssrvlab01.utep.edu/Classes/cs5339/sssamant/assignment4/mainpage.php

The main page displays a list of all graduate students. This page offers various selection criteria to select columns, filter based on different values, sort in ascending or descending order based on different columns and also display records with various page sizes.

When a regular user or admin is not logged in, this page along with the sign page are accessible.

Regular users and admins can log in using the sign in page.

There is one admin user and one regular user setup on this website.

The admin user details are as follows:
User name: admin
Password: nimda18

The regular user details are as follows:
User name: sssamant
Password: user123

Admin users are redirected to the admin page after signing in. On the admin page, admin users can add new regular users as well as admin users on the system. The admin page also lets the admin users view a list of all user accounts on the system. The creation of an admin user requires a First Name, Last Name, user name and a password. While creating a regular user, the user account has to be associated with an alumni profile record. A user name and password are required to create a regular user account. Alumni record with an associated user account are not listed in the user profile combo box. When an admin user clicks on the user page, the admin users account details are displayed. After login the main page displays a link to view profile. Admin user can view profile all alumni by clicking on the profile link for each user.

Regular users are redirected to the user page after signing in. The user page for a regular user displays the users profile and lets the user edit their profile by clicking on the edit profile link. The profile for a user consists of email address, employer name and an employer type. Regular users are able to view profiles of other alumni from the main page, similar to the admin users.

Regular users and admin users can sign out by clicking on the signout link at the top of the page.

It took us around six hours to combine the two assignments and add the parts which were not present in assignment 3a or assignment 3b.

All files for this assignment are located on the cssrvlab01 server in the /cs5339/sssamant/assignment4 folder.

We worked together in person to understand the objective of the assignment and to create a work plan. After that we communicated on email to check status and resolve any technical issues.

Some of the problems we encountered were with regular expressions. The problem with validating email address was resolved after we learned about the filter_var function in PHP, which simplifies the task of validating common data types.

In this assignment we were able to learn about sessions, AJAX, most common types of vulnerabilities in web application and user access management.