

## CS 153 Project:

### General Instructions

Develop a web application that can do the following

- 1) There will be one default user.
- 2) The superuser can Create, Update, View, Delete Users
- 3) Users can login/logout of the system using his username and password
- 4) Once a user is logged in the system, the system must show the complete username, name, address and birthday of the user. A user can change his name, address and birthday (but not his name)
- 5) A user currently logged, can also view the birthday of the others.
- 6) A user can see the other users who are currently logged in.
- 7) There will be a superuser who can view the names, address and birthdays of other users. He can also edit the details of other users.
- 8) A superuser can change a user into a superuser.
- 9) A superuser can change a superuser into a normal user
- 10) There should be atleast one superuser in the list of users.
- 11) Only a single user can be logged in at the same computer at a given time.

Implement the system using Codeigniter (<https://codeigniter.com/>).

Implement as many security features as possible. Use the OWASP guidelines to guide you on the security features that you will implement.

This project will be deployed on a cloud server. One week before the deadline, a cloud server will be made available to the group to deploy the project. Projects that are not properly deployed in the server will get a grade of zero.

User interface will not be graded.

Groupings will be pre-assigned.

Grading System:

- 1) Functionalities Implemented – 30 points
- 2) Security Functionalities - 70 points
- 3) Security Audit – 50 points

The total grade will be same for all the group members. However a peer grading factor will be incorporated to determine the final grade of each member of the group.

Deadline: - May 20, 2017.