Choose a concept or a .NET MVC feature from this week's readings, and submit a code snippet that shows its usage and purpose. Comment on at least two of your classmates' posts and suggest alternative implementation or usage. Explain why your suggestion has merit.

Chap 7 and 10

namespace CLC\_MinesweeperMVC {

//Class to Encrypt Password before saving to DB and for Retrieving Pass from DB

public class Crypto {

public static string Hash(string value) {

return Convert.ToBase64String(

System.Security.Cryptography.SHA256.Create()

.ComputeHash(Encoding.UTF8.GetBytes(value))

);

}

}

//Security Service to run Authentication

public class SecurityService {

public bool Authenticate(User user) {

SecurityDAO service = new SecurityDAO();

return service.FindByUser(user);

}

}

public class LoginController : Controller{

// GET: Login

[HttpGet]

public ActionResult Login() {

return View("Login");

}

//Controller which handles the execution to the service and vice versa

[HttpPost]

// Check for valid login credentials

public ActionResult Login(User user) {

SecurityService auth = new SecurityService();

return auth.Authenticate(user) ? View("LoginPassed") : View("LoginFailed");

// this action is for handle post (login)

if(ModelState.IsValid) // this is check validity

{

using(MyDBEntities dc = new MyDBEntities()) {

var v = dc.Users.Where(a => a.USERNAME.Equals(user.USERNAME)&&a.PASSWORD.Equals(user.PASSWORD)).FirstOrDefault();

if(v!=null) {

return View("LoginPassed");

}

}

}

return View("LoginFailed");

}

}

}

Galloway, J., Wilson, B., Allen, K. S., & Matson, D. (2014). Membership, Authorization,

and Security. In *Professional ASP.NET MVC 5* (pp. 188-241). Indianapolis, IN: John Wiley & Sons.