# **BAIS3110 Authentication Assignment Part II**

#### Reference

- Lecture Notes
- Encryption Assignment
- https://www.devtrends.co.uk/blog/hashing-encryption-and-random-in-asp.net-core
- 1. Using your previous Authentication Assignment 1, add the following new functionality.
- 2. Add a register page to the Pages/Admin folder with the ability to Create a new user.

OR simply create a new register page that can be used to create a new user.

## 

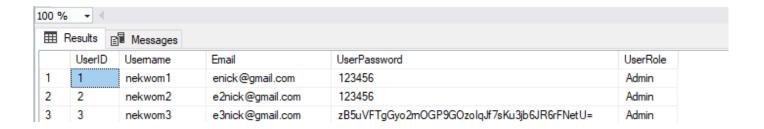
3. Create a database to hold the User info called BAIS3110Authentication. submit a screenshot of the table created and database creation code (PDF)

#### Answer:

Create User

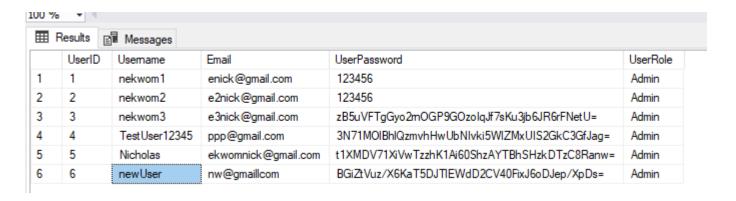
- 4. Add Salted Password Hashing to your previously created Forms Authentication Application/the new page. Choose whatever hashing algorithm you think is best. You are not limited to lecture notes/labs, use any Hashing algorithm you like. You are supplied with example in the reference links.
- 5. Store the Hash and Salts along with the User info. Do not store the clear text password. Submit a screenshot and the code (PDF)

Answer



- 6. Modify your Login function/Create a login page to properly authenticate your users with the Hashed Password and Salt values that were stored by the Register page
- 7. Create 5 users with the same password, look at the passwords in the SQL Users table and see that they are different.
- 8. Refactor the system using a Controller class as an entry point to the system and a SecurityManager class to contain the Business Logic.

Submit a screen shot of the login and another screen shot of the SQL User Table with a few users added



BAIS3110 Authentication 1 Home Privacy SignUp Login LogOut

Login	
Loa in	

This example combines the Password and Salt (Using the reference link hash/salting examples)

### Sample Final Output