

Instructions:

1. Configure the Identity system and add a class to seed data for Roles and Users. You will call it to run from Program.cs.
 - a. Make sure that if you delete the database, you only do it once.
2. Use the_INITIALIZER to do the following:
 - a. Create roles called “Admin”, “Security”, “Supervisor”, “Staff” and “Client.”
 - i. Create user admin@outlook.com with password "Pa55w@rd" and add it to both the Admin and Security roles.
 - ii. Create user security@outlook.com with password "Pa55w@rd" and add it to just the Security role.
 - iii. Create user supervisor@outlook.com with password "Pa55w@rd" and add it to the Supervisor role.
 - iv. Create user staff@outlook.com with password "Pa55w@rd" and add it to the Staff role.
 - v. Create user client@outlook.com with password "Pa55w@rd" and add it to the Client role.
 - b. Create user user@outlook.com with password "Pa55w@rd", not in any role.
3. Modify access to the application as follows:
 - a. Anyone can access the home controller (all actions)
 - b. A user who is logged in but not in any role can also:
 - i. View the list (Index) of FitnessCategories, and GroupClasses. However, they must not be allowed to see Enrollments so just remove Enrollments from the GroupClass Index.
 - c. A "Staff" user can also:
 - i. View Index, Details, Create and Edit Group Classes and Clients but cannot delete either one.
 1. Note that this would include the ability to add and remove enrollments of Clients in Group Classes.
 - ii. View the Instructor Index but cannot modify or delete any of the information or download Instructor Documents.
 - d. A "Supervisor" user can also:
 - i. View, Create, Download and Edit all data.
 - ii. Delete GroupClasses and Clients but only if they created the record.
 - e. An "Admin" user can do anything except assign users to roles.
 - f. A “Security” user is essentially like a user who is logged in but not in any role except that they will be able to assign users to roles in the system.
 - g. (BONUS) A “Client” user is essentially like a user who is logged in but not in any role except that they can see and edit their own Client record.
 - h. For any public actions not listed, use your discretion in setting Authorization requirements. For example, restrict access to Summary reports to Admin only.

Do NOT hide any links based on Authorization restrictions at this point.

Clarification for Authorized Access...

	INDEX	DETAILS	CREATE	EDIT	DELETE
Instructor					
User					
Client					
Staff	✓				
Supervisor	✓	✓	✓	✓	
Admin	✓	✓	✓	✓	✓
GroupClass					
User	✓				
Client	✓				
Staff	✓	✓	✓	✓	
Supervisor	✓	✓	✓	✓	✓*
Admin	✓	✓	✓	✓	✓
Client					
User					
Client	Only their own	Only their own		Only their own	
Staff	✓	✓	✓	✓	
Supervisor	✓	✓	✓	✓	✓*
Admin	✓	✓	✓	✓	✓
FitnessCategory					
User	✓				
Client	✓				
Staff	✓	✓	✓	✓	
Supervisor	✓	✓	✓	✓	
Admin	✓	✓	✓	✓	✓
InstructorDocuments					
User		NA	NA		
Client		NA	NA		
Staff	View (not download)	NA	NA		
Supervisor	✓	NA	NA	✓	
Admin	✓	NA	NA	✓	✓

*Only if they entered the record into the system.

Add a UserRoles controller and views that will only allow users in the Security role to add and remove users from roles. Make sure there is a link in the navigation menu for this new controller.

- i. BONUS: No user should be allowed to change their own roles!

Do not submit your work. You will hand in Part 4 when all parts are completed.