Lab 1 Reflection Report

Name: Suhayb Dahir  
Student Number: 000838790

**Test Accounts:**

**Supervisor = supervisor@mohawk.ca / Password123!**

**Employee = employee@mohawk.ca / Password123!**

**Unauthenticated =** [**testuser2@example.com**](mailto:testuser2@example.com) **/ Hooyo.2525**

The lab is functioning as intended. I successfully built an ASP.NET Core MVC project with Identity, implemented the custom ApplicationUser fields, built the Company entity, set up the database, executed the migrations, and seeded Supervisor and Employee roles along with test accounts. Supervision and Employee roles were seeded along with test accounts. Supervisors have the ability to create, edit, and delete companies, while Employees are restricted to viewing the companies. Unauthenticated users are denied access to view any the Companies as well.

The only part which is not integrated is the email confirmation since there is no email service configured.

Three Things I Learned

1. The process of extending ASP.NET Identity using a custom ApplicationUser model to hold additional profile fields.
2. The process of programmatically seeding default roles and users so that they exist at startup.
3. The process of applying role-based authorization attributes to limit controller actions to particular roles.

Three Areas I Need to Work On

1. Customizing the Identity UI to look more modern and user friendly.
2. Managing database migrations and checking seeded data directly in SQL Server.
3. Expanding test coverage for unauthorized and edge-case scenarios.

User Registration Page

A screenshot of a computer

AI-generated content may be incorrect.

Supervisor Deletes Company

A screenshot of a computer

AI-generated content may be incorrect.

**Deleted Company Removed from List**

A screenshot of a computer

AI-generated content may be incorrect.

**Unauthenticated User Blocked from Companies**

A screenshot of a computer

AI-generated content may be incorrect.

Employee Sees Companies Index (Read-Only)

A screenshot of a computer

AI-generated content may be incorrect.

Employee Blocked from Creating Company

A screenshot of a computer

AI-generated content may be incorrect.