Dotnet Task 1 - WebAPI with JWT Authentication

Jwt Authentication:

```
O
                                                                          [HttpPost("Login")]
                                                                            public async Task<IActionResult> Login([FromBody] Login login)
                                                                                     if (!ModelState.IsValid)
                                                                                           return BadRequest(ModelState);
                                                                                            var user = await _userRepository.GetUsersByEmailAndPasswordAsync(login.email, login.password);
                                                                                           if (user != null)
                                                                                                // HttpContext.Session.SetInt32("UserId", user.userId);
string userIdKey = _configuration["SessionSettings:UserId"];
HttpContext.Session.SetInt32(userIdKey, user.userId);
var userIdClaimType = _configuration["JwtSettings:UserIdClaimType"];
list<Claim claim = new List<Claim()(
    new Claim(ClaimTypes.NameIdentifier, login.email),
    new Claim(userIdClaimType, user.userId.ToString())
}
                                                                                                        string adminRole = _configuration["RoleNames:Admin"];
claims.Add(new Claim(ClaimTypes.Role, adminRole));
                                                                                                       string userRole = _configuration["RoleNames:User"];
claims.Add(new Claim(ClaimTypes.Role, userRole));
                                                                                                 return Ok(new { Token = token, User = user });
                                                                                  DEBUG CONSOLE TERMINAL PORTS SQLCONSOLE
                                                                                  catch (Exception exception)
                                                                                  string loginFailureMessage = _configuration["Messages:FailureMessages:loginFrror"];
_logger.LogError(exception, loginFailureMessage);
return StatusCode(500, loginFailureMessage);
```

Custom Exception:

Dispose method in IDisposable Interface:

```
ď
                                                                       [HttpPost("UserProfile")]
public async Task<IActionResult> UpdateUserProfile([FromForm]UpdateUserProfileModel updateUserProfileModel)
       > iii bin
                                                                              MemoryStream memoryStream = null;
                                                                                    int userId = updateUserProfileModel.userId;
          images
profile.JPG
Interfaces
                                                                                    var existingProfile = await _userRepository.GetUserProfileByUserIdAsync(userId);
        > Migrations
> Migrations
                                                                                    if (existingProfile != null)
        > iii obj
> iii Properties
                                                                                          existingProfile.name = updateUserProfileModel.name;
                                                                                         existingProfile.name: updateUserProfileModel.email;
existingProfile.mobileNumber = updateUserProfileModel.mobileNumber;
existingProfile.address = updateUserProfileModel.address;
existingProfile.pincode = updateUserProfileModel.pincode;
if (updateUserProfileModel.profilePicture != null)
           AccountAPI.csproj
          () appsettings son
           WeatherForecast.cs
                                                                                               memoryStream = new MemoryStream();
await updateUserProfileModel.profilePicture.CopyToAsync(memoryStream);
existingProfile.profilePicture = memoryStream.ToArray();
                                                                                          await _userRepository.UpdateUserProfileAsync(existingProfile);
                                                                                         return Ok();
                                                                                          return NotFound();
                                                                              catch (Exception exception)
                                                                                    string updateUserProfileErrorMessage = _configuration["Messages:FailureMessages:UpdateProfileError"];
                                                                                    _logger.LogError(exception, updateUserProfileErrorMessage);
return StatusCode(500, updateUserProfileErrorMessage);
                                                                                 memoryStream?.Dispose();
```