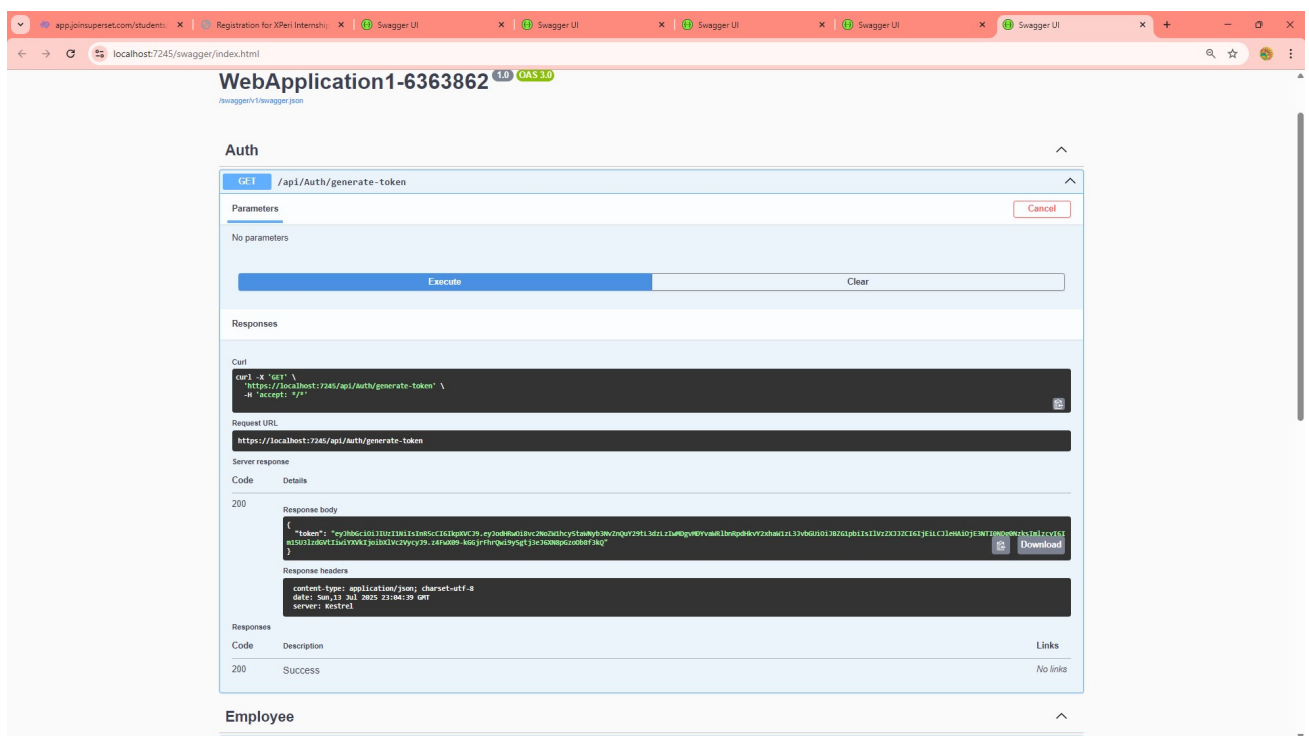
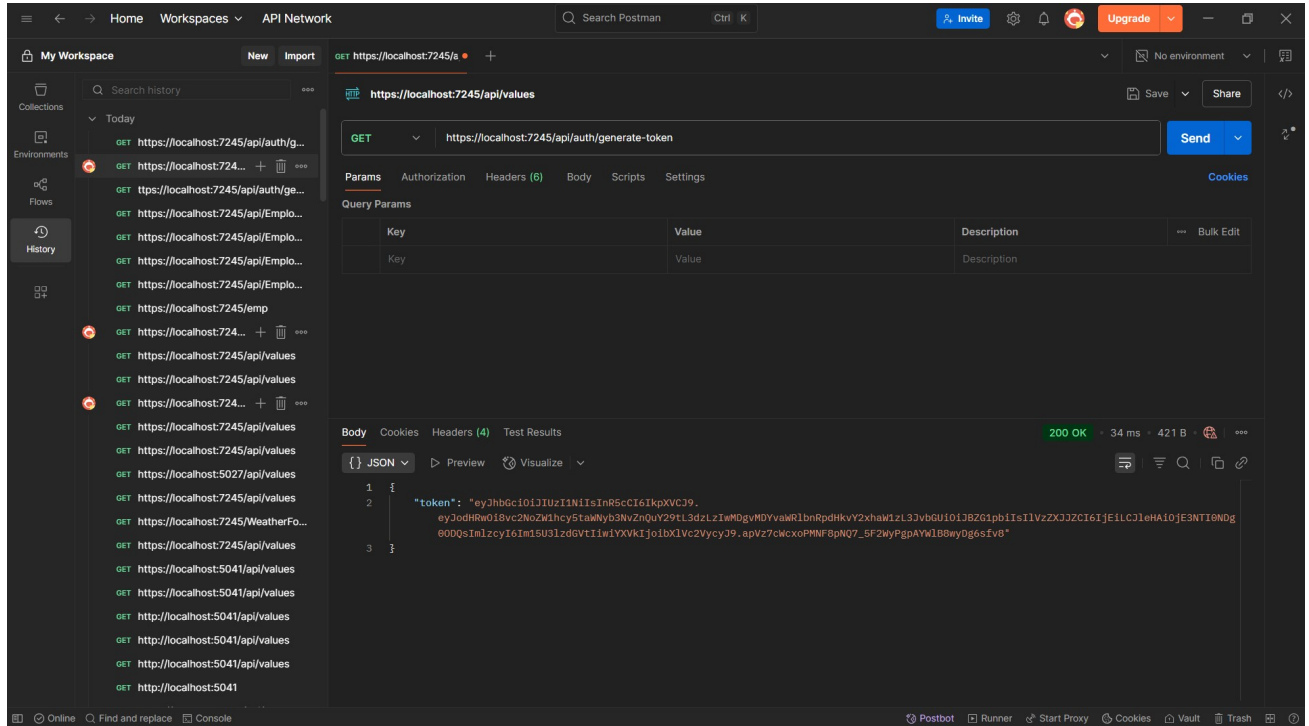


## ASP.NET Core 8.0 Web API -5

### 1. JsonWebToken:



The screenshot displays the Visual Studio IDE with a solution explorer on the left and a code editor on the right. The solution explorer shows a project named 'WebApplication1-6363862' with various folders including Controllers, Filters, and Models. The code editor shows the 'AuthController.cs' file, which contains a 'GenerateJSONWebToken' method. This method generates a JWT token for a user with 'Admin' role. It uses a symmetric security key and HMACSHA256 algorithm. The token is returned as an 'Ok' result. A line number 32 is highlighted in the code editor, corresponding to the 'new Claim' line in the 'claims' list.

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var token = GenerateJSONWebToken(1, "Admin"); // userId = 1, role = Admin  
return Ok(new { token });  
  
private string GenerateJSONWebToken(int userId, string userRole)  
{  
    var securityKey = new SymmetricSecurityKey(Encoding.UTF8.GetBytes("mysuperdupersecretkeymysuperdupersecretkey"));  
  
    var credentials = new SigningCredentials(securityKey, SecurityAlgorithms.HmacSha256);  
  
    var claims = new List<Claim>  
    {  
        new Claim(ClaimTypes.Role, userRole),  
        new Claim("UserId", userId.ToString())  
    };  
  
    var token = new JwtSecurityToken(  
        issuer: "mySystem",  
        audience: "myUsers",  
        claims: claims,  
        expires: DateTime.Now.AddMinutes(10),  
        signingCredentials: credentials);  
  
    return new JwtSecurityTokenHandler().WriteToken(token);  
}
```