**ASP.NET Core 8 Web API +MongoDB.EntityFrameworkCore.**

**Cookie-based authentication + role-based authorization** -

1. **Install packages needed :**

Microsoft.AspNetCore.Authentication.Cookies ( for cookie based authentication)

BCrypt.Net-Next ( password hashing/verification )

1. **Configure cookie auth + roles in Program.cs :**

// ✅ Cookie Authentication

builder.Services

.AddAuthentication(CookieAuthenticationDefaults.AuthenticationScheme)

.AddCookie(options =>

{

options.Cookie.Name = "StudyNotion.Auth";

options.Cookie.HttpOnly = true;

options.Cookie.SecurePolicy = CookieSecurePolicy.Always;

options.Cookie.SameSite = SameSiteMode.Lax;

options.SlidingExpiration = true;

options.ExpireTimeSpan = TimeSpan.FromDays(14);

// API-friendly: return status codes instead of redirecting to HTML pages

options.Events = new CookieAuthenticationEvents

{

OnRedirectToLogin = ctx => { ctx.Response.StatusCode = StatusCodes.Status401Unauthorized; return Task.CompletedTask; },

OnRedirectToAccessDenied = ctx => { ctx.Response.StatusCode = StatusCodes.Status403Forbidden; return Task.CompletedTask; }

};

});

// ✅ Authorization (policies optional; roles can be used via attributes)

builder.Services.AddAuthorization(options =>

{

options.AddPolicy("AdminOnly", p => p.RequireRole("Admin"));

options.AddPolicy("InstructorOnly", p => p.RequireRole("Instructor"));

});