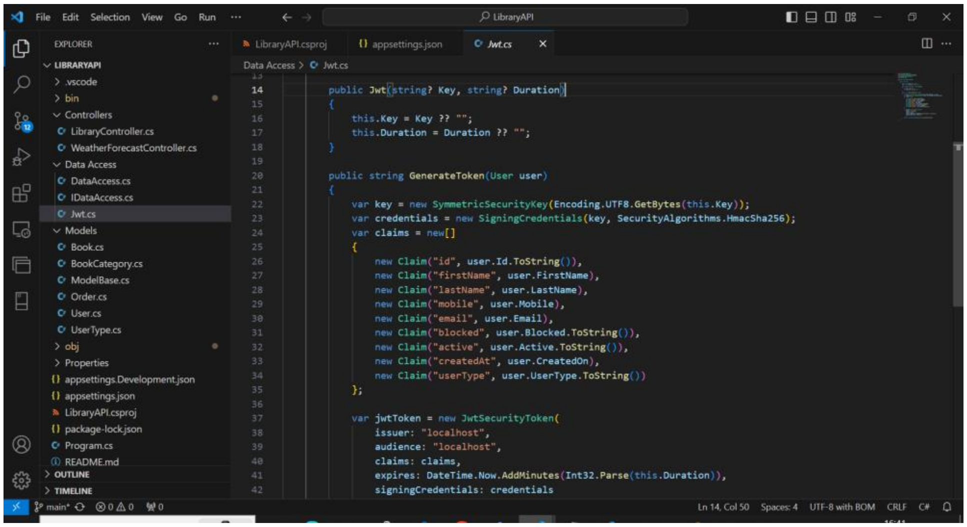
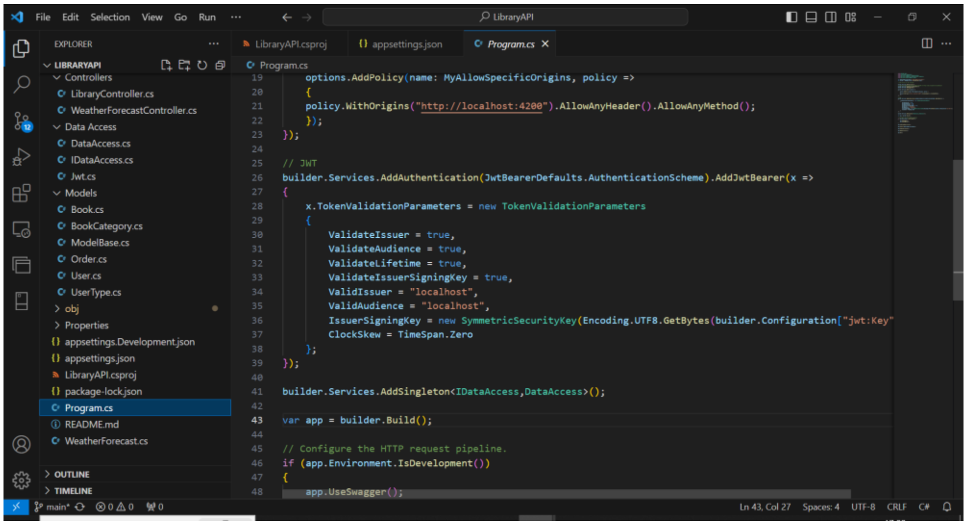
# JWT AUTHENTICATION



```csharp
public Jwt(string? Key, string? Duration)
{
    this.Key = Key ?? "";
    this.Duration = Duration ?? "";
}

public string GenerateToken(User user)
{
    var key = new SymmetricSecurityKey(Encoding.UTF8.GetBytes(this.Key));
    var credentials = new SigningCredentials(key, SecurityAlgorithms.HmacSha256);
    var claims = new[]
    {
        new Claim("id", user.Id.ToString()),
        new Claim("firstName", user.FirstName),
        new Claim("lastName", user.LastName),
        new Claim("mobile", user.Mobile),
        new Claim("email", user.Email),
        new Claim("blocked", user.Blocked.ToString()),
        new Claim("active", user.Active.ToString()),
        new Claim("createdAt", user.CreatedOn),
        new Claim("userType", user.UserType.ToString())
    };

    var jwtToken = new JwtSecurityToken(
        issuer: "localhost",
        audience: "localhost",
        claims: claims,
        expires: DateTime.Now.AddMinutes(Int32.Parse(this.Duration)),
        signingCredentials: credentials
```



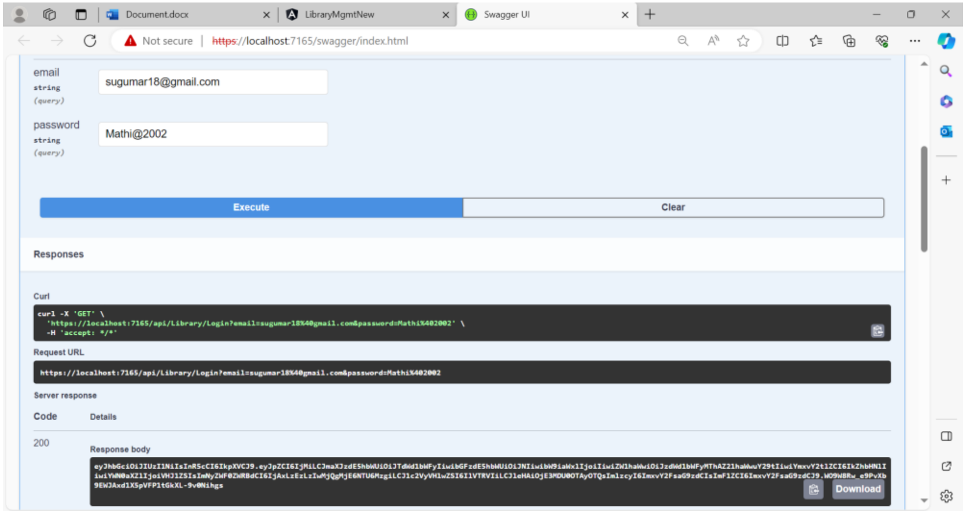
```csharp
    options.AddPolicy(name: MyAllowSpecificOrigins, policy =>
    {
    policy.WithOrigins("http://localhost:4200").AllowAnyHeader().AllowAnyMethod();
    });
});

// JWT
builder.Services.AddAuthentication(JwtBearerDefaults.AuthenticationScheme).AddJwtBearer(x =>
{
    x.TokenValidationParameters = new TokenValidationParameters
    {
        ValidateIssuer = true,
        ValidateAudience = true,
        ValidateLifetime = true,
        ValidateIssuerSigningKey = true,
        ValidIssuer = "localhost",
        ValidAudience = "localhost",
        IssuerSigningKey = new SymmetricSecurityKey(Encoding.UTF8.GetBytes(builder.Configuration["jwt:Key"
        ClockSkew = TimeSpan.Zero
    };
});

builder.Services.AddSingleton<IDataAccess,DataAccess>();

var app = builder.Build();

// Configure the HTTP request pipeline.
if (app.Environment.IsDevelopment())
{
    app.UseSwagger();
```



email
string
*(query)*
sugumar18@gmail.com

password
string
*(query)*
Mathi@2002

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7165/api/Library/Login?email=sugumar18%40gmail.com&password=Mathi%402002' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:7165/api/Library/Login?email=sugumar18%40gmail.com&password=Mathi%402002
```

Server response

| Code | Details |
|---|---|
| 200 | Response body |

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjMiLCJmaXJzdE5hbWUiOiJTdWd1bWFyIiwibGFzdE5hbWUiOiJNIiwibW9iaWxlIjoiIiwiZW1haWwiOiJzdWd1bWFyMThAZ21haWwuY29tIiwiYmxvY2tlZCI6IkZhbHNlI
iwiYWN0aXZlIjoiVHJ1ZSIsImNyZWF0ZWRBdCI6IjAxLzEzLzIwMjQgMjE6NTU6MzgiLCJ1c2VyVHlwZSI6IlVTRVIiLCJleHAiOjE3MDU0OTAyOTQsImlzcyI6ImxvY2FsaG9zdCIsImF1ZCI6ImxvY2FsaG9zdCJ9.WO9W8Rw_e9PvXb
9EWJAxd1XSpVFP1tGkXL-9v0Nihgs
```