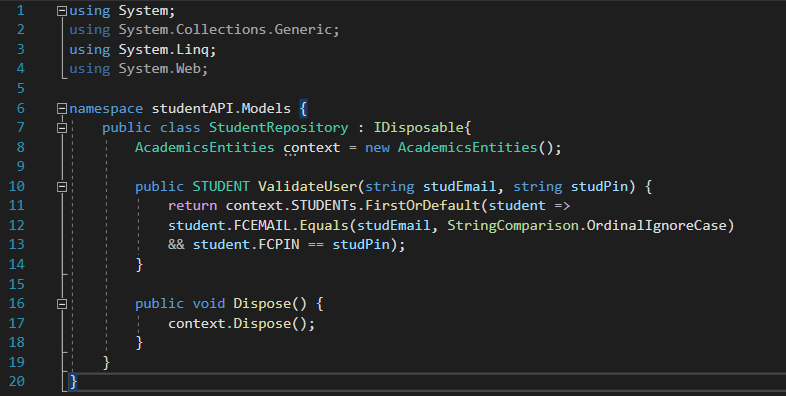
**CSA WEB API DOCUMENTATION**

NuGet packages installed:

1. Microsoft.Owin.Host.SystemWeb
2. Microsoft.Owin.Host.SystemWeb
3. Microsoft.Owin.Host.SystemWeb
4. Newtonsoft.json
5. EntityFramework

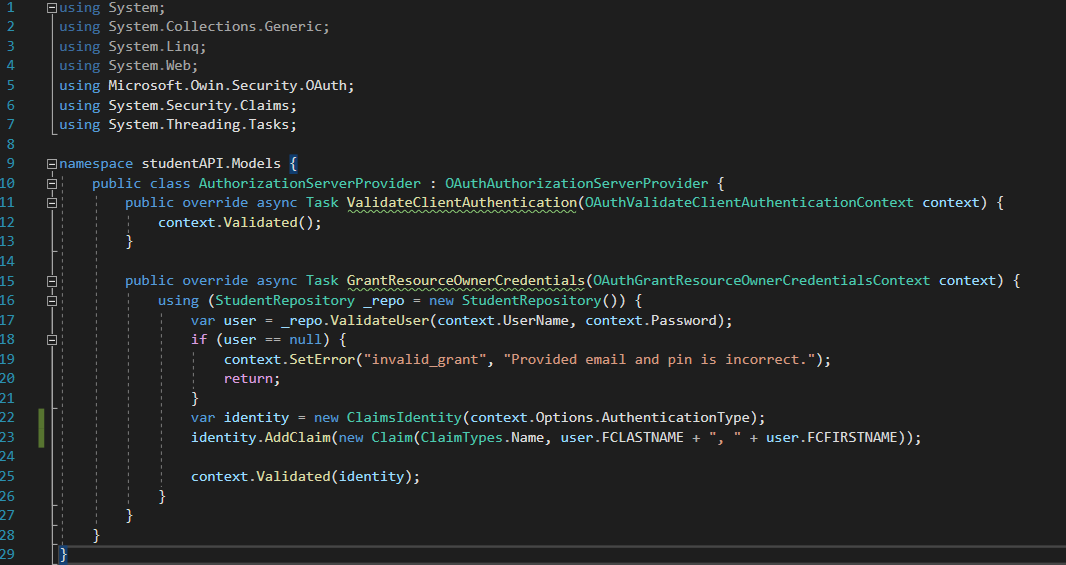
Classes:

**studentRepository.cs**

ValidateUser methods takes the email and pin as input parameter and then validate this. If it is valid then it returns Student object, else it will return null.  


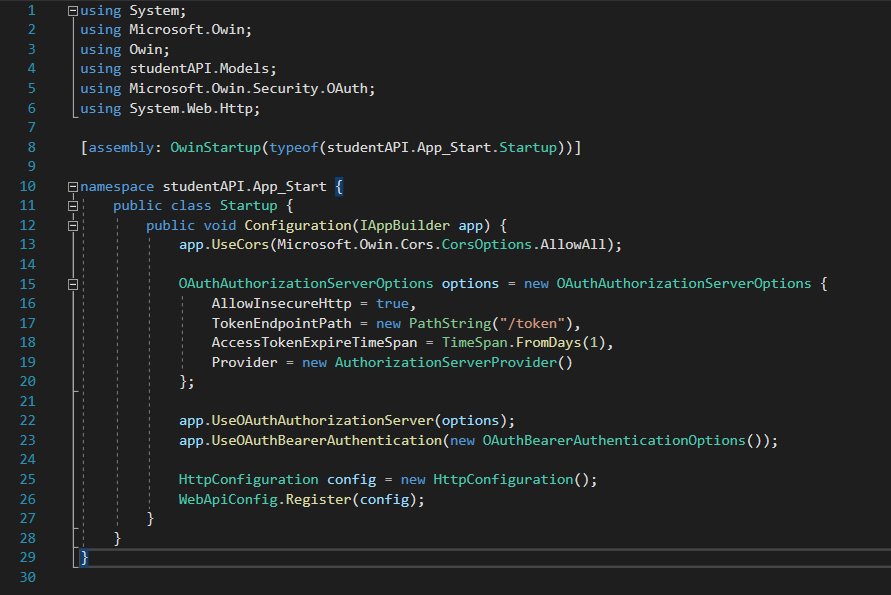
**AuthorizationServerProvider.cs**

ValidateClientAuthentication method is used to validate the client application. The GrantResourceOwnerCredentials method is used to validate the client credentials (student email and pin). If the credentials are valid, it will generate the access token.

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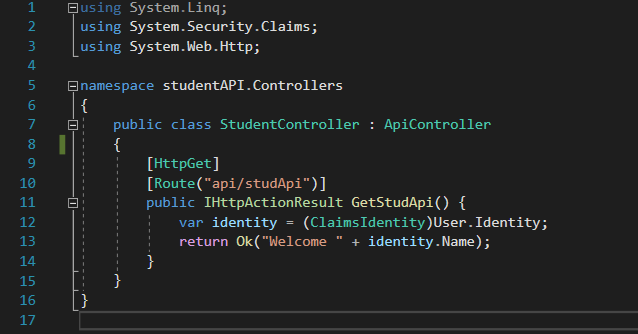
**Startup.cs**

This class is created using OWIN Startup class. This is where we configure the OAuth Authorization Server. The path for generating token is <http://localhost:portnumber/token>. The expiry time for the access token is 24 hours. We also call the AuthorizationServerProvider class to validate the credentials for the access token.

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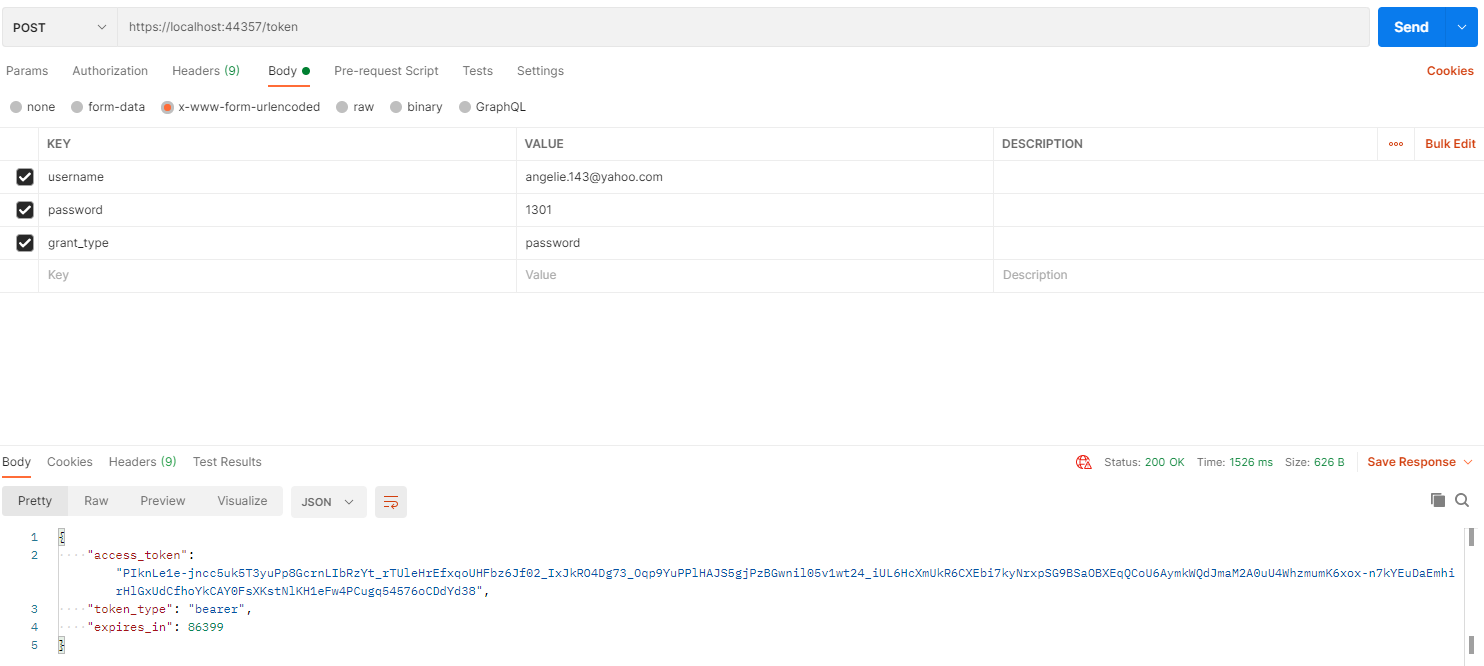
**StudentController.cs**

This is the web api controller and the path is <http://localhost:portnumber/api/studApi>.

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**Testing on Postman:**

Generating the token



Using the token to access resources

