# Build an app with ASPNET Core and Angular from scratch!

## 42. Adding the create token logic

1. SymmetricSecurityKey
   1. Same key is used to encrypt and decrypt the data.
2. AsymmetricSecurityKey
   1. Server needs to encrypt something, and Client need to decrypt something
   2. In this case, we have public and private key.
   3. Private key stays on the server.
   4. Public key used to decrypt the information.

## 44. Adding the authentication middleware

1. [AllowAnonymous] will override the [Authorise] in a controller no matter at what level [Authorise] has been mentioned.

## End of Section 4 Notes

1. Storing passwords in database
   1. Always hash and use salts.
2. JWTs concept and implementation
   1. Service validation
3. Using services to generate token.
4. Adding authentication middleware
   1. Order is important.

## 56. Observables

1. New standard for managing async data.
2. Lazy collection of multiple values over time.
3. Can cancel an Observable.