

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Security.Cryptography;
5 using System.Text;
6 using System.Threading.Tasks;
7
8 namespace ContextProcessor.Model
9 {
10     public class Common
11     {
12         public static string GenerateSalt()
13         {
14             var random = new RNGCryptoServiceProvider();
15             int max_length = 32;
16             byte[] salt = new byte[max_length];
17             random.GetNonZeroBytes(salt);
18             return Convert.ToBase64String(salt);
19         }
20
21         public static string GenerateToken()
22         {
23             using (var cryptoProvider = new RNGCryptoServiceProvider())
24             {
25                 var secretKeyByteArray = new byte[32];
26                 cryptoProvider.GetBytes(secretKeyByteArray);
27                 return Convert.ToBase64String(secretKeyByteArray);
28             }
29         }
30     }
31 }
32
```