GmailSenderWithOAuth (C#)

As far as I know, there are 2 ways to send an automated email:

1. Sending using a simple powershell script with plain **username** and **password**. SMTP server of Google and Outlook will automatically blocked the script from sending. Thus, a workaround is to enable a **Less Secure App** setting, to allow script to execute the email. This will makes the email less secure overall and is not recommended.
2. Another way is using **OAuth2.0**, which is what this library is using. This library will attempt to get **OAuth token** and **refresh token** with credentials. After that, every email send can be authenticated by just using OAuth token, and a refresh token that has **no expiry date** to retrieve new OAuth token if needed.

   This library can sent an Email on behalf of a Gmail user via OAuth2.0. To send Email on behalf of an Outlook user via OAuth2.0, you can visit link here.

The source code of this library can be found here.

Create an Email

In the library, there are currently two Email templates. The different is that one contains a verification link, while the other do not.

To create a verification email:

```
EmailTemplate.CreateEmailTemplateHTML(
    "Title of the Email",
    "Username",
    "This is the main content of an email",
    "VERIFICATION_LINK")
```

To create a normal email:

```
EmailTemplate.CreateEmailTemplateHTML(
    "Title of the Email",
    "Username",
    "This is the main content of an email")
```

Both functions will return an HTML format of the email that is ready to be sent.

Send Email

This library will look for a file named "credentials.json" that is used to send an email, like the code shown below:

```
GmailSender gmailSender = new GmailSender
{
    BaseCredDir = "path/to/directory_where_credential_is",
    EmailContent = EmailTemplate.GetEmailTemplate(
     "Title of the Email",
     "Username",
     "This is the main content of an email"),
    EmailSubject = "Subject of an Email",
    Receiver = "receiver@example.com",
    Sender = "sender@gmail.com",
    IsHTML = true
};
gmailSender.SendGmail();
```

Written with StackEdit.