About

[SendGrid (https://sendgrid.com/)](https://sendgrid.com/) is used to send out verification emails to newly registered users. It is a cloud-based email service that provides reliable transactional email delivery, scalability, real-time analytics and a flexible API that make custom integration easy.

Pricing

SendGrid offers different plans depending on how many emails you want to send out per month. As of now, the application is using the free plan, which after the first 30 days only lets you send out 100 emails/day. All free of charge. More information on SendGrids pricing can be found [here (https://sendgrid.com/pricing/)](https://sendgrid.com/pricing/).

Source code

As of now, all newly registered users must verify their email before being able to log into the application. This setting can be toggled in the file server/RedRiverChatServer/StartUp.cs row 59-60:
opt.SignIn.RequireConfirmedEmail = true;

Settings for the email is set in the file server/RedRiverChatServer/appsettings.json and later used in the Register method in AccountController.cs and EmailSender.cs. These settings needs to be configured to fit your information.

Handover

SendGrid

At handover the created SendGrid account will be transfered to you to avoid you having to spend time on getting the settings right. As of now, the account is set out to Sofia Kristiansens school email, but this will be changed to an email address of your choice. The username and password will be sent to you in an email and after logging in for the first time you should:

1. Go to account settings.
2. Edit the password.
3. Add other information of your choice.

When you're done with the above do the following to create a new API key to be used by the application:

1. In the menu to the left, click on Settings.
2. In the dropdown, click on API Keys.
3. Click on the button where it says "Create API Key".
4. Name the key whatever you want.
5. Choose API Key Permissions "Full Access".
6. Click the button "Create & View".
7. Make a note of the API Key and save it. This is the only time you'll ever see it.

Source code

Email settings needs to be configured to fit the information you want the user to get in the verification email. These settings are found in the file server/RedRiverChatSettings/appsettings.json.

1. Open the appsettings.json file.
2. Scroll down to "Client".
3. Change the following information:

   - WebAddress – Change to the address of your client.
   - EmailAddress – The email you want the newly registered users to see as the sender of the email.
   - Subject – The subject of the email. Currently set to "Bekräfta din mailadress".
   - Message – The message of the email. Here you can add a link to your terms of service.
   - SendGridApiKey – Either paste your created SendGrid API Key from before (not recommended!) or delete this row and follow the guides below.

The SendGrid API Key should be stored in a secure way. This can be done by following:
Easy to follow guide (https://docs.microsoft.com/en-us/azure/key-vault/vs-secure-secret-appsettings).
Or this (depending on your prior experience):
This guide (https://docs.microsoft.com/en-us/aspnet/identity/overview/features-api/best-practices-for-deploying-passwords-and-other-sensitive-data-to-aspnet-and-azure#deploying-secrets-to-azure).