Task 3

Web API document and Postman testing result

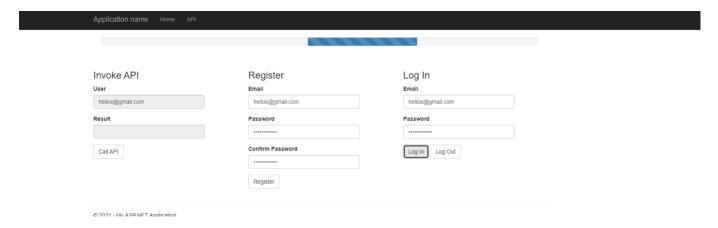
Refer to task3-documents.pdf.

Sequence Diagram

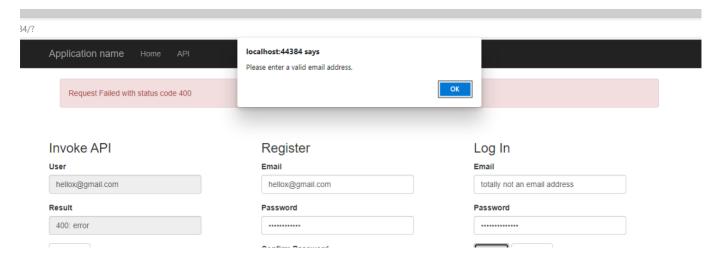
Refer to sequence-diagram.png

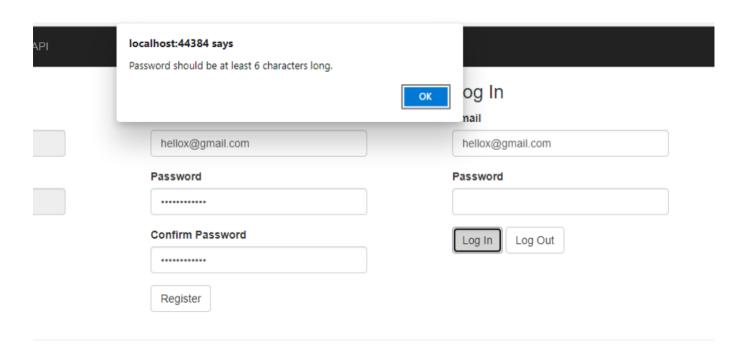
Understanding, efficiency, robustness and security of the code

Loading bar is shown during login/register/invoke api API request:

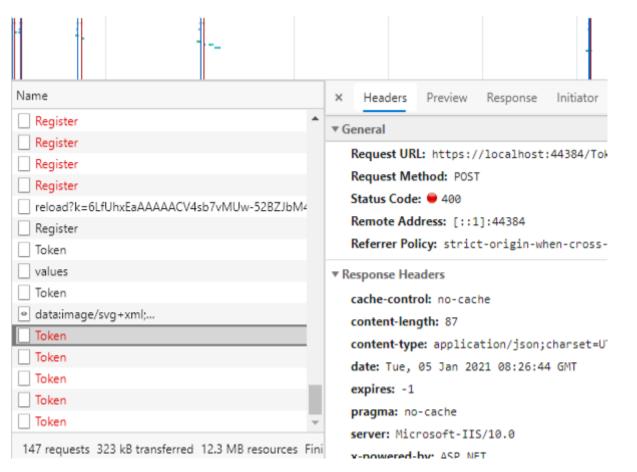


Client side email and password validation for login and register:

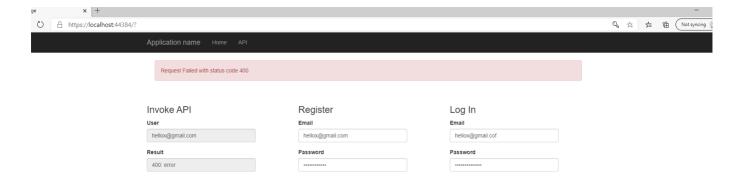




Retry logic for login, register, and invoke api:



API failure alert after multiple retries:



Set up Guide

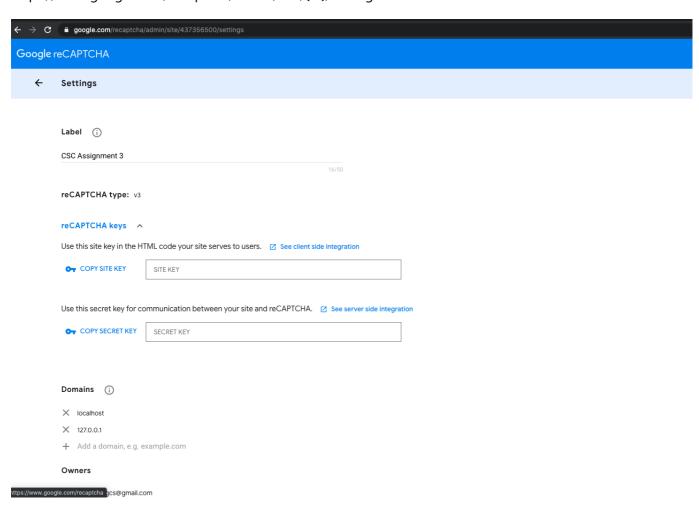
1. Recaptcha

Create a site on Recaptcha (https://www.google.com/recaptcha/).

Configure the recaptcha settings for the site to:

- 1. allow domains localhost and 127.0.0.1
- 2. Verify the origin of recaptcha solutions

https://www.google.com/recaptcha/admin/site/{id}/settings

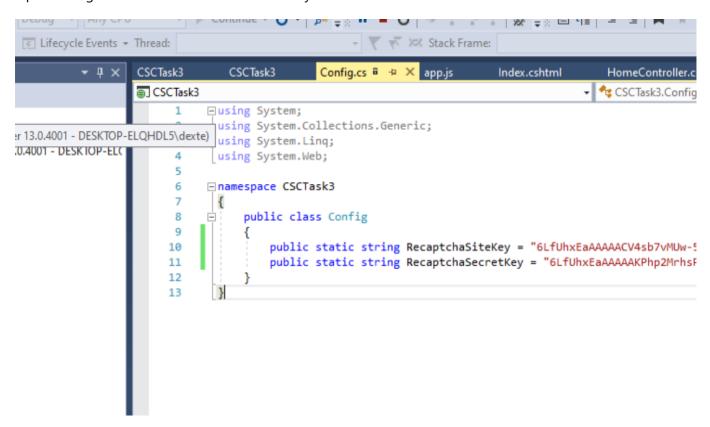


Copy the Site key and Secret Key

2. Configure credentials in project

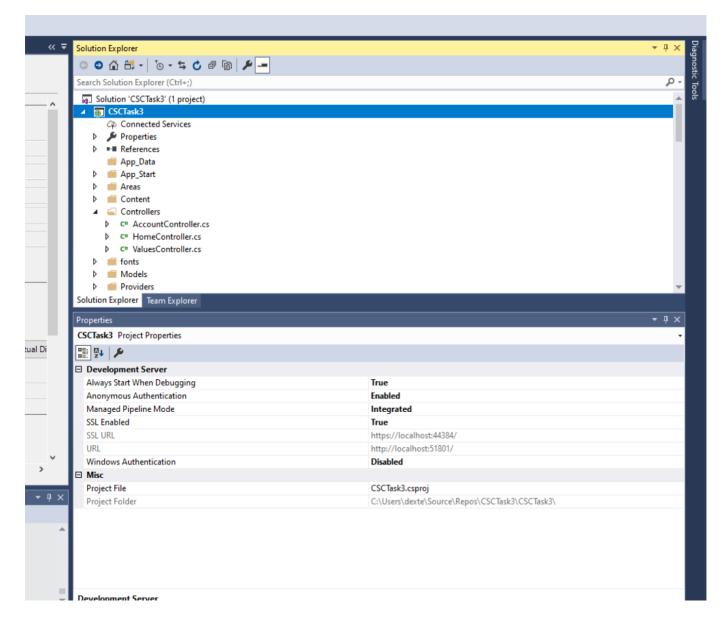
Open the project.

Open Config.cs and fill in the site and secret key:



3. Start the project

Click on the CSCTask3 in the Solution Explorer. You should see the SSL Url in the Properties table:



Use this HTTPS URL to access the application instead of the HTTP one.

You can now start the project and navigate to the SSL URL:

