Brief

The requirement is to create a simple web app that has a user form and the data from that form is submitted to an external endpoint.

Features

Pages

The application should have a single page with a form with only one field – email.

Integration with external API

Once the form is submitted the user email should be sent to an external endpoint. Please note that the endpoint will fail at random and you must implement a retry logic that resubmits the data until the submit is successful.

Requirements

- The solution should use ASP.NET MVC.
- The retry logic should be asynchronous and should not block/delay the form submit request.
- Code quality will be evaluated – e.g. design of components, readability and complexity of code.
- The solution should not have obvious blocking bugs, e.g. functional screen and actions that crash or don't work as expected.
- The solution should be delivered with clear setup instructions, if needed.

Extra points requirement

- Once the email is successfully submitted the user that filled out the form should receive a notification in the browser for this.

Endpoint specifics

- The endpoint URL is https://us-central1-randomfails.cloudfunctions.net/submitEmail
- The endpoint accepts data in a JSON format: {"email": "userEmail"}