Studio 7 & 8

Name and Student Id: Nicolas Pallant 28785959

Self-Evaluation:

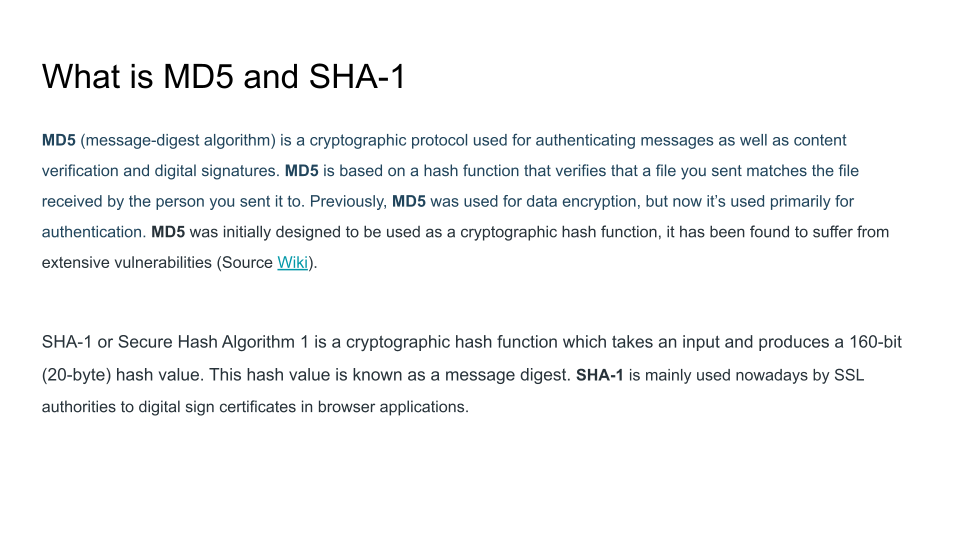
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Need Help | Work in Progress | Pass | Credit | Distinction | High Distinction |

Task 7.1

Group Members

* Nicolas Pallant 28785959
* Xi Chen 31307124
* Nisha Devi 32726368

Logo, company name

Description automatically generatedText, letter

Description automatically generatedGraphical user interface, text, application

Description automatically generated

Self Reflection

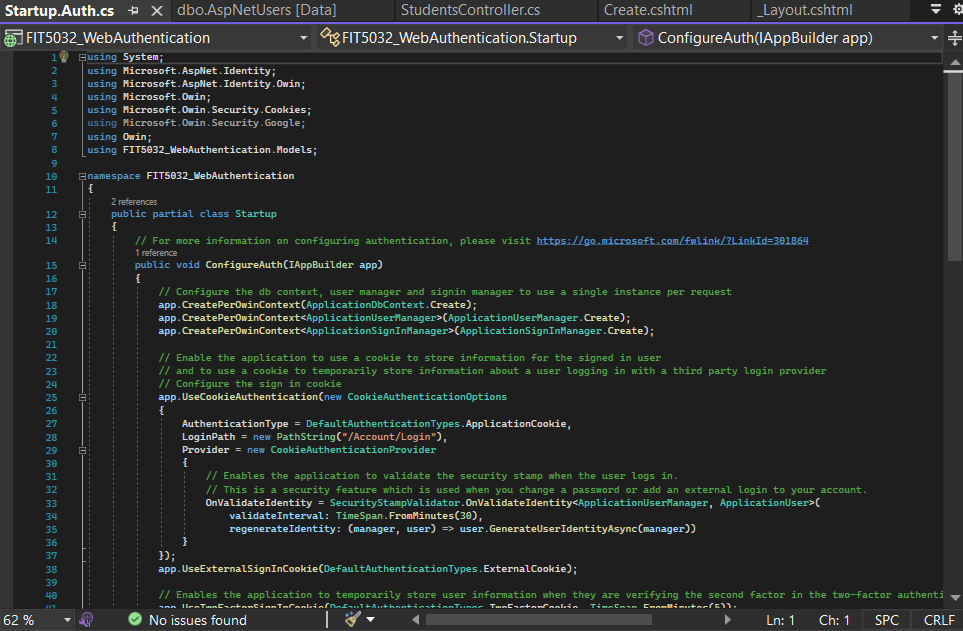
The presentation could have been improved in many different ways. Firstly, some additional length about the history of SHA-1 and MD5 would have served well to understand why it came into popular use, and why it was preferred over other hash encryption methods.

Another area for improvement would be to go into detail about the methods of how MD5 and SHA-1 are hacked and made redundant, such as explaining how exactly a length extension attack works and how an insufficient key length actually matters when it comes to decryption.

The last area for improvement I have identified is including more alternatives for SHA-1 and MD5, including explaining exactly how each of the alternatives are better than SHA-1 and MD5.

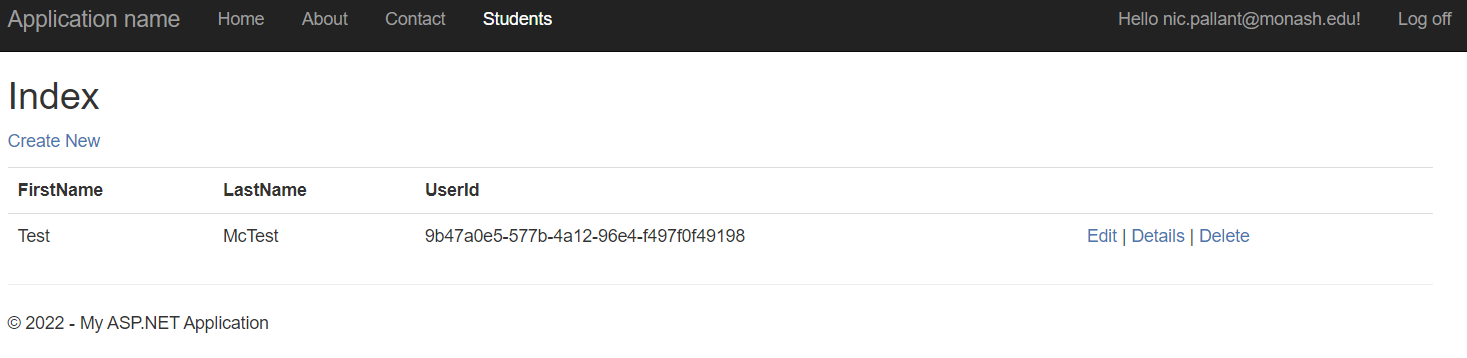
Task 7.2

Screenshots



A picture containing application

Description automatically generated



Git Repository

https://github.com/Ryukawastaken/FIT5032-Internet-Apps-Dev

Task 8.1

Sendgrid Email Activity Screenshot

Graphical user interface, application

Description automatically generated

EmailSender.cs Screenshot with Key

Text

Description automatically generated

Git Repository

https://github.com/Ryukawastaken/FIT5032-Internet-Apps-Dev

Task 8.2

Advantages of Sendgrid

Using an external email company makes automation very convenient as an external company handles all of your automation for you, with you only having to set it up. You also don’t have to host the web server that sends out the emails either.

On top of that, using an external company like Sendgrid allows for the convience of them collating all you metrics and performance data into one place that you can easily check and see how your emails are doing from month to month.

Disadvantages of Sendgrid

Having your emails automated through an external company like SendGrid opens your company up for security breaches. As your customer’s email addresses will be forwarded to SendGrid, they will have access to them, regardless of whether or not they are encrypted.

Another disadvantage of SendGrid is that SendGrid will have access to pose as the email you have given them, which would allow them to spoof it and send emails on your half without your consent.