

dimitrov_ivan_webtech_coursework1



Course work Report.

1. Introduction.

The goal of this was to create a website using HTML, CSS & Javascript. I have Chosen to do two ciphers one of them is Rot13 and Baconian cipher.

Rot13 is a simple letter substitution *cipher* that replaces a letter with the 13th letter after it, in the alphabet.

Bacon's cipher or the Baconian cipher is a method of steganography devised by Francis Bacon in 1605. A message is hidden in the text by is replaced by a group of five of the letters 'A' or 'B'.

In order to write these ciphers I have used the following resources:

www.freecodecamp.org

www.w3schools.com

2. Software design.

When starting to write this project I've decided to create a simple good looking menu from which the user can choose which of the ciphers to use and then if possible the User interface to decrypt and encrypt the text using the same input and output field. I wanted to have a modern rounded look with bright colors in order to look attractive for the user.

3. Implementation.


I have chosen to create a menu where the user can pick which one of the ciphers to use then.

this will lead him to another page where he can encrypt or decrypt a message.

Select a Cipher to Encode or Decode



rot13 cipher



baconian cipher

ROT13 Encoder & Decoder


You can use this field to encode and decode

Plain Text/Cipher Text



Cipher Text/Plain Text


Baconian Encoder



Plain Text

Cipher Text

Baconian Decoder



5.Improvements.

Possible improvements would be to add some more ciphers. I am satisfied with the design. When Creating this webpage I have tried to cover all the requirements from the document but due to the lack of knowledge in Web Development I was only able to Exceed the Minimum Requirements for the website.

6.Evaluation.

I have learned that JavaScript is a very powerful language and can add a big part of the functionality of the website without the need of any backend calculations or scripts.

7.References

JavaScript , html & CSS written with the help of :

-www.freecodecamp.org

-www.w3schools.com

All have been taken from:

-<https://www.flaticon.com/>