

Coursework Report

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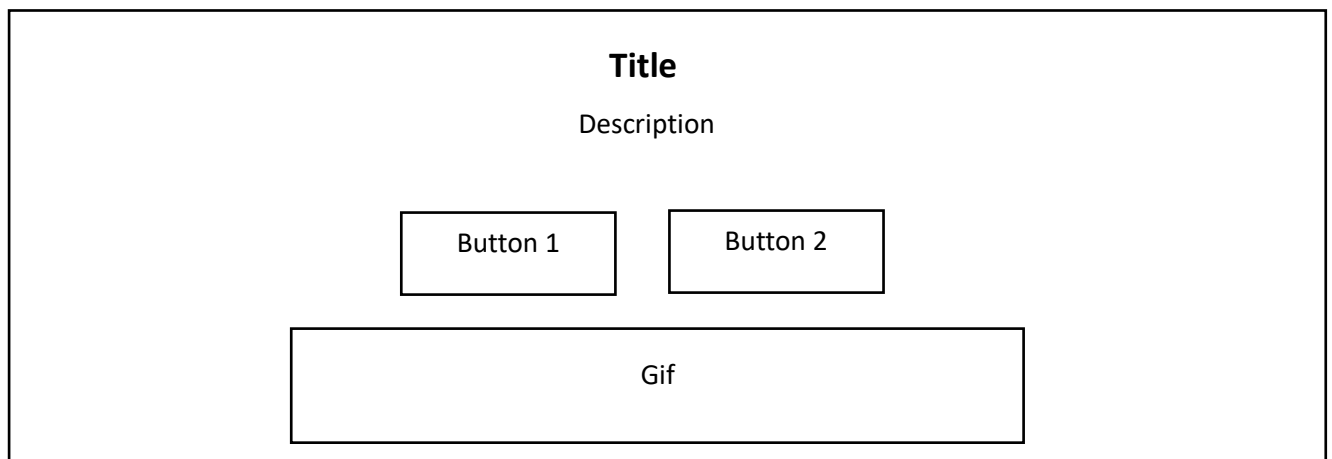
1 Introduction

I have been assigned to create a website that can convert text into an encoded form. The types of encoding have been left to my discretion and I have chosen Caesars Cipher and Binary as my two. My webpage has 3 pages, a home page and a page for each of my Ciphers.

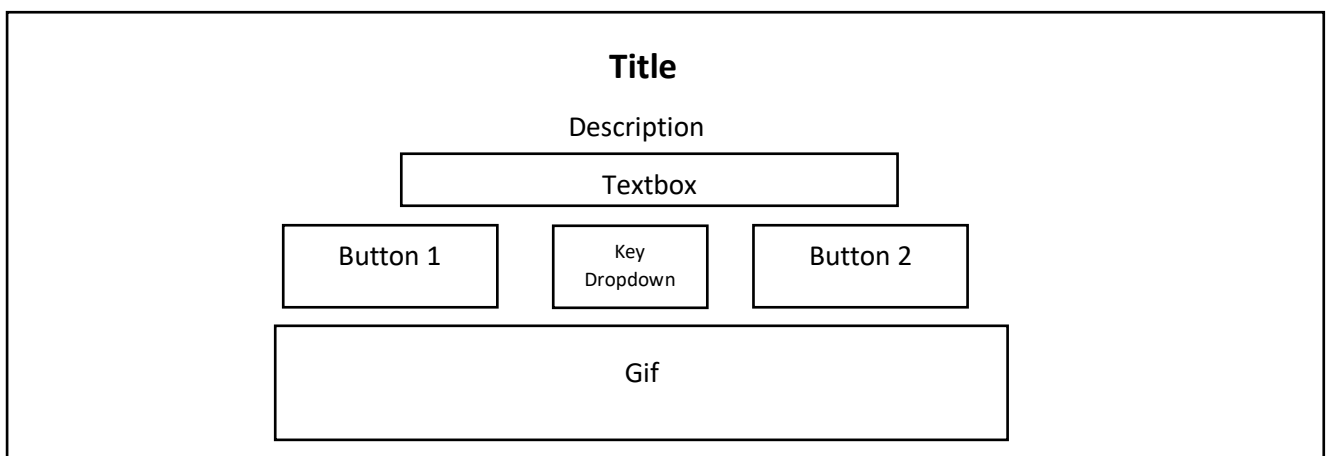
2 Software Design

2.1 Page design

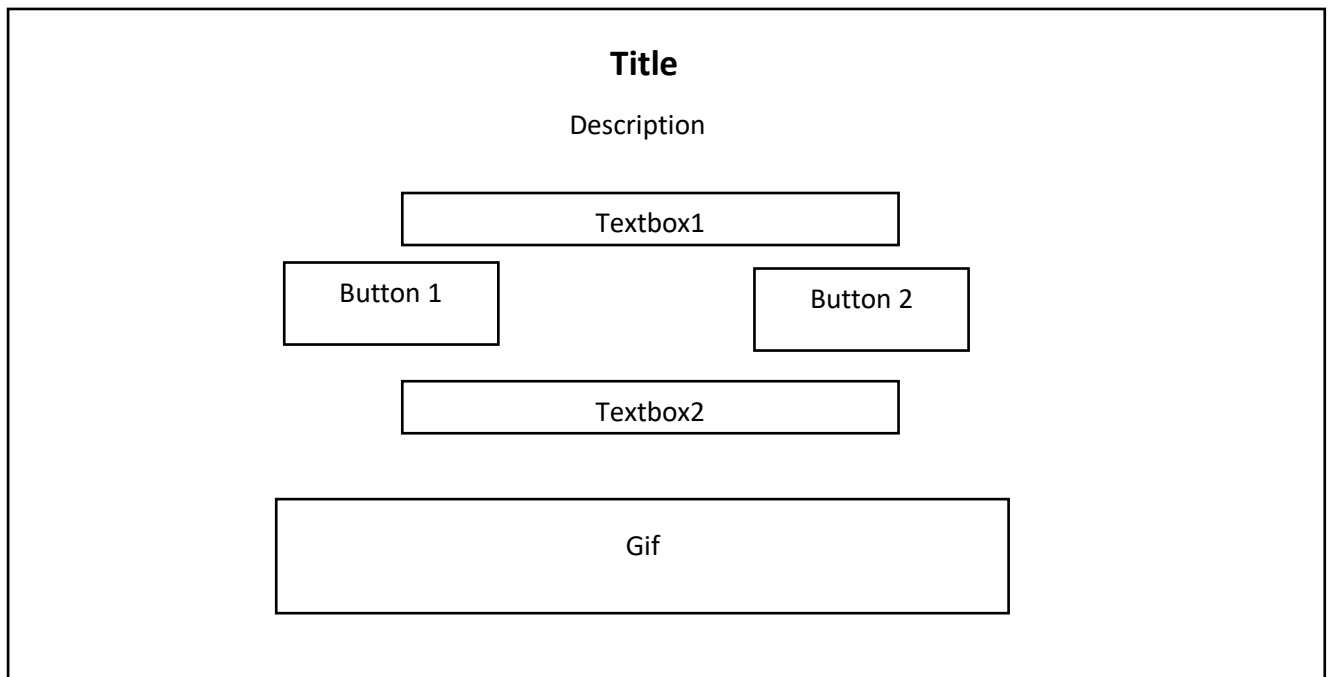
Home page:



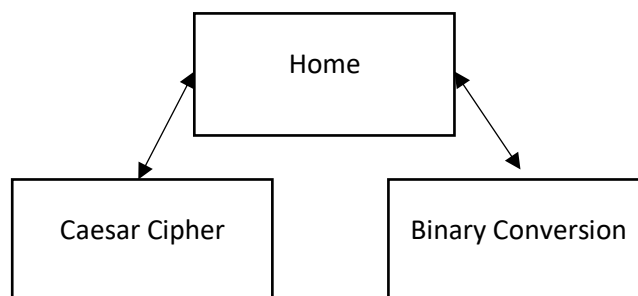
Caesar Cipher:



Binary Conversion:



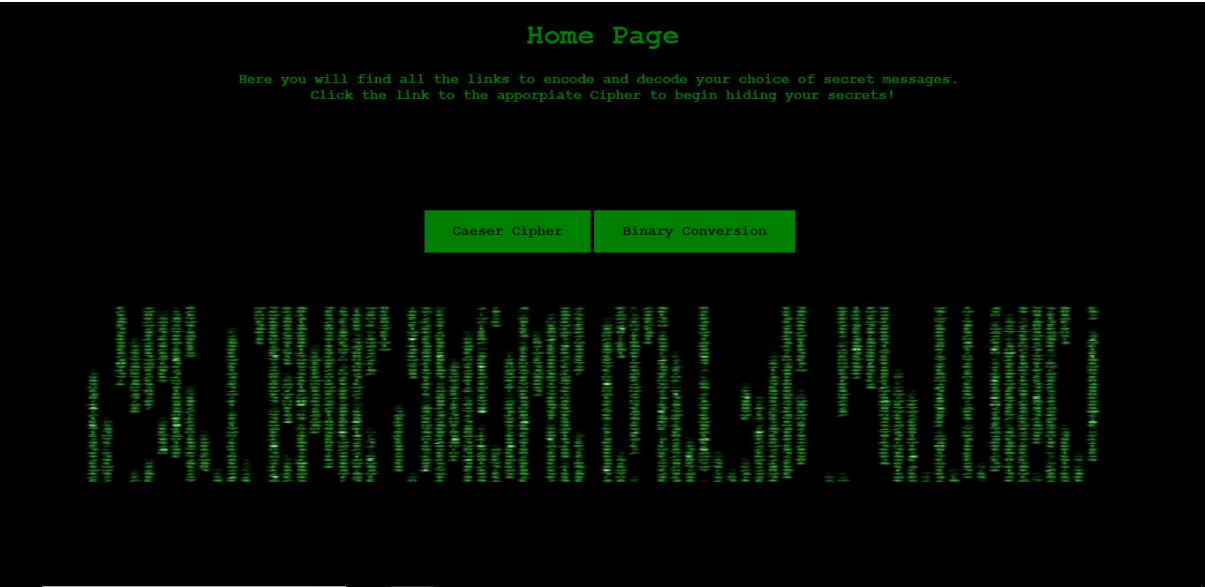
2.2 Relationship Diagram:



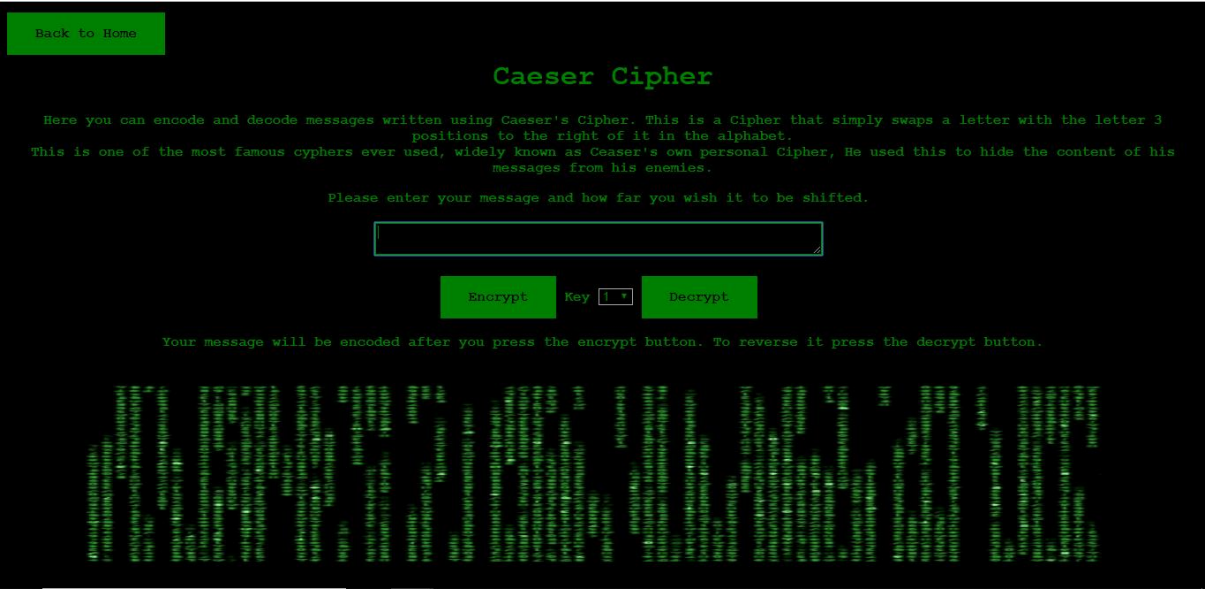
3 Implementation

My site works as outlined in the specification. All links to other pages work and both the encryption and decryption ends of both my cipher pages work. The encrypt and decrypt functions for the Caesar Cipher work based from a key which chooses the offset for the letters. The Binary encrypt and decrypt functions work from separate textboxes and the corresponding buttons for each function.

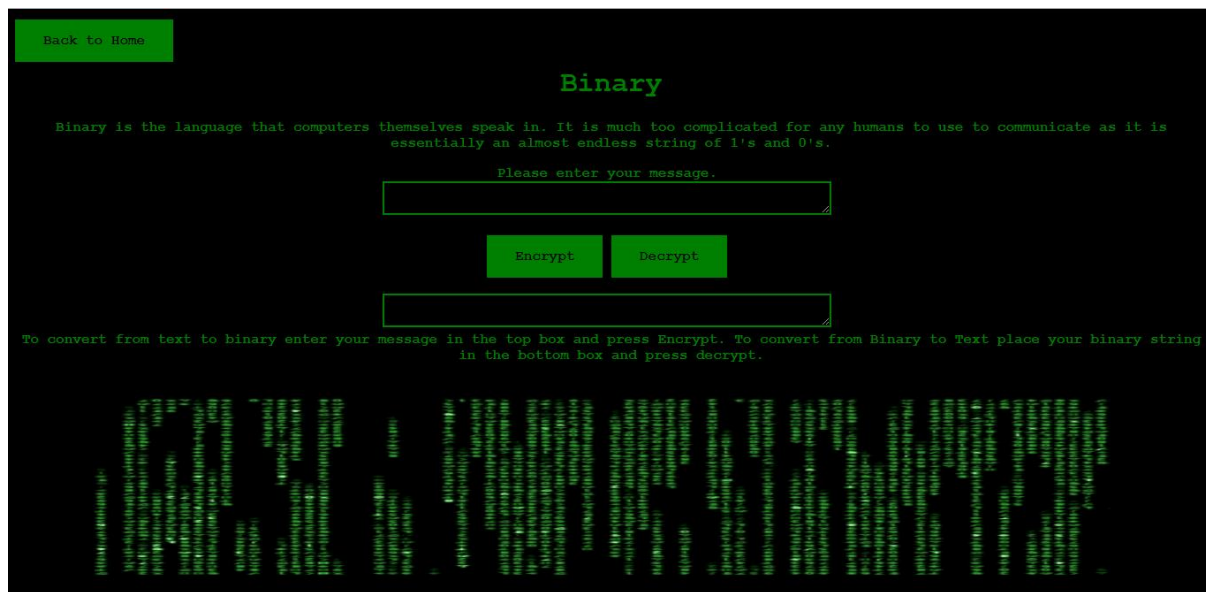
Homepage:



Caesar Cipher:



Binary Conversion:



4 Critical Evaluation

My webpage fills out all the requirements that were set out in the original specification but unfortunately not much else. It has two pages for two ciphers whose functions perform as intended. Some improvements that could be made include:

- Adding more ciphers
- An “About” page
- More graphics or varied graphics to make the design appear more appealing

5 Personal Evaluation

I am happy with this finished product but do also think there are some improvements to be made. The most challenging part of this assignment was getting the JavaScript Functions to work, especially the conversion from binary to text. It was a rewarding experience finding solutions to problems I had been grappling with for hours and gave me a great sense of accomplishment when I finally finished. I feel overall I have performed well but I do need to improve upon my time management skills as I fear they are slightly lacking as I left some things to do later than I should have.