Caesar Cipher

Project Brief

The aim of this project is to create a JavaScript encoding / decoding web app using the Caesar cipher and an HTML user interface.

Your Project

The app should:

1. Accept user input of plain text or coded message.
2. Accept user input of the required key.
3. Accept user input for choice of encode or decode.
4. Given a coded message, the choice of key and choice of decode - produce decoded plain text (decoded using the chosen key).
5. Given a plan test message, the choice of key and choice of encode - produced coded message (encoded using the chosen key).

Deliverables

The address for the GitHub repository.
The address for the GitHub pages.

Extension

You could extend this project by adding additional complexity to the cipher. The caesar cipher is relatively simple to crack as it uses the same key for each letter. You could increase the complexity of the cipher slightly by using a rolling substitution (changes for each letter). This will then require 2 keys; the first which dictates the shift, the second how much the shift changes for each new letter.