Assignment Vault JS

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Hours : 7,5 hours (3 weeks, 2.5 hours a week)

Assessment : Individual

Read the assignment carefully and ask questions if anything is not clear.

# Introduction

In this course we are going to learn the basics of the coding language “JavaScript”. The purpose of this course is to enhance your knowledge of different programming languages and to show you that they are not that different from each other. We are going to demonstrate that by building a vault. Because you have already made such an assignment in C# you will quickly see the similarities between the two coding languages.

# Prior knowledge & examples

To successfully complete this assignment, it is necessary to have an understanding of HTML, CSS and JavaScript.

# Requirements (MoSCoW)

## Must 5,5

* User must be able to enter 3 numbers
* Notifications when correct code is entered
  + “Code is correct”
* Notification when incorrect code is entered
  + “Code is incorrect”
* Blinking effect to showcase incorrect or correct
  + Use green for correct and red for incorrect
* Disable buttons
  + When the code has been entered the buttons need to be disabled
* Github
  + Upload your code regularly to Github
* Coding and structure
  + Organize files neatly in folders
  + Logical and consistent names for variables, id’s and classes
  + Indent code with tabs

## Should 5,5 – 8

* Create your own design. (So not based on the included screenshot)
* Sound notification when correct and incorrect code is entered (2 different sounds)
* Show an animation when the code is correct or incorrect
* Counter to indicate how many times the correct and incorrect code is inserted

## Could 8 – 10

* Save the code in the database (not hardcoded in a file)
  + Compare the entered data with the code in the database
  + Show a notification if the code is correct or incorrect

Tips & resources

* Use classroom examples and PowerPoint sheets from N@tschool.
* Make backups: external hard drive or cloud storage
* Upload your finished assignment in N@tschool. Use Winrar or 7-zip to pack your files
  + Only .7zip or .rar file extension allowed
  + Filename: ***firstname\_lastname\_vaultjs.rar***
  + Filename example: john\_doe\_***vaultjs*.rar**

**Reference**

* HTML & CSS
  + http://htmlreference.io
  + http://cssreference.io
* JavaScript
  + <https://developer.mozilla.org/nl/docs/Web/JavaScript>

**Courses**

* www.udacity.com
* www.codecademy.com
* [www.freecodecamp.com](http://www.freecodecamp.com)

**Note**

* Work together if necessary, but **do not copy**. **In case of fraud, you have to create your own assignment with the same techniques as this one. You have to discuss this with your teacher!!**

# Assessment



