

# COMP1073 – Client-Side JavaScript

## ASSIGNMENT 1

### Emulating a Classic Toy with a Web App

#### DESCRIPTION

Using the provided HTML, CSS, and JavaScript as a starting point, emulate the user experience of the popular children's toy, the Mattel® 'See 'N' Say Storymaker'.

#### INSTRUCTIONS

1. Watch the short video at [https://www.youtube.com/watch?v=gG8y\\_e6t0G4](https://www.youtube.com/watch?v=gG8y_e6t0G4) (limegl0wstix, 2010), and carefully watch how the user interacts with the toy.
2. Download the provided .zip file (includes HTML, CSS, and JS), extract the contents, then open the HTML file in a browser and click on the button.
3. Edit the HTML file to include 5 buttons – each one will pick a random phrase from a JavaScript array (use the image on the last page of this assignment to build each of the five arrays). Note that the first column is a list of nouns (forming the sentence subject), the second is a list of verbs, the third is a list of adjectives, the fourth, another list of nouns, and the fifth consists of a number of places (or settings).
4. The user will push each of the buttons, and each will concatenate the random word from its array, eventually building the text string.
5. Create a new button (already built for you. You have to develop on-click functionality) that will create a random story from the array.
6. Also, dynamically add your student id/name using any function and on click listener.
7. Once you've completed the functionality of the interface, add some CSS to make the page visually attractive (don't spend too much time on this – the focus is the JS).
8. Ensure that all your HTML, CSS, and JS is well-commented, formatted, and organized.
9. Upload your application to a live website. (GitHub Pages or any other that works for you.)
10. Post the URL to Assignment 1 on Blackboard.

#### TAKE IT FURTHER

1. Add a reset button so that another story can be created.
2. Try as much as possible to create a user experience that matches the original product.
3. Anything else that you can dream up...

## SUBMITTING YOUR WORK

Upload the HTML, CSS and any media files to a web server and then post a link to the document in the assignment on Blackboard. Your work will not be graded unless it is posted on a web server.

## EVALUATION

Please refer to the chart (assessment rubric) on blackboard. You will be graded on how well you followed the assignment instructions from both a technical and a creative perspective as spelled out in the rubric. This assignment is weighted in terms of your final mark as indicated on the course syllabus.

## OTHER RESOURCES

Use the image on the next page as a guide as you build out the files for this application.

