

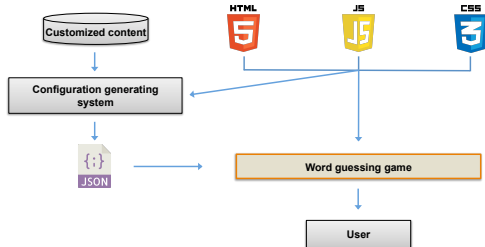
# Stress Learning Game

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## Introduction

- Designed to reinforce learning of stress concepts for middle school students.
- Construct a file system for customers to customize the content of game they want.
- Improve game experience of old version Hangman game by increasing gameplay and visual effects.

## Overall Flow



## User Interface of Config Generating System

- Generate customized configuration file for stress learning game in an easy human-computer interaction. The configuration will be stored in a JSON file, which contains sentence, description, word, text hint, image URL.
- Default helper texts are shown in text boxes when none input.
- After setting image URL, a preview of image will be shown in box in order to help users check whether they choose the correct image.
- Click "add" or "delete" to operate the question table, if client wants to add more word guess or remove some word.
- Click "SUBMIT" to generate JSON file.

**Stress Learning Game File System**

	Word	Text Hint	Image URL	Image Show	Action
Sentence:	nerve	A biological cell.	https://upload.wikimedia.org/wikipedia/commons/0/0d/Neuron.jpg		delete
File Name:	test.json				
Description:	Guess the word "nerve" through text hint or image hint.				

**SUBMIT**

## Configuration Format

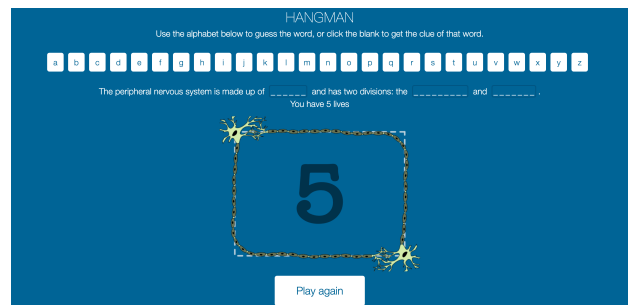
```
{
  "sentence": "The whole sentence with hidden words",
  "words": [
    "word 1",
    "word 2",
    "word 3"
  ],
  "hints": {
    "word 1": {
      "text hints": "Something about word 1",
      "img hints": "http://some-website.png"
    },
    "word 2": {
      "text hints": "Something about word 2",
      "img hints": "images/picture.png"
    },
    "word 3": {
      "text hints": "Something about word 3",
      "img hints": "None"
    }
  },
  "description": "The remark of this file"
}
```

## File system of Hangman Game

The file system of Hangman game is made up of the files and folders:

- index.html: the web page of Hangman game.
- configs: the directory to store the configuration files
- images: the directory to store default images and customer's images
- css: the directory to store style sheets.
- js: the directory to store JavaScript files, including game running logic.

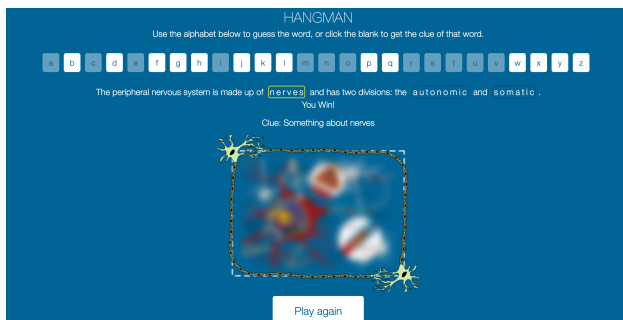
## User Interface of Hangman Game



## Running Logic of Hangman Game

### Making Good Guesses

- The letter will replace the place holders.
- The image hint will still be obscure.
- Win the game when figure out all the letters and have remain lives.



### Making Bad Guesses

- Lose lives.
- The axons of neuron cells will become shorter.
- The color of neuron cells will turn from light green to dark red.
- The image hint will be more clear.
- Lose the game when waste all the lives before figure out all the letters.

