**EXSM 3936: JavaScript II - Document Object Model**

[**https://classroom.github.com/a/si4jjtRJ**](https://classroom.github.com/a/si4jjtRJ)

Deadline: Sunday May 22, 2022 at 11:59 PM

Introduction

This assignment is intended to cement your understanding of manipulating the Document Object Model.

Instructions

You are to write a webpage with a “chat window”. This window will contain a message box, a text input and a send button. The user should be able to enter a message in the text input, and when they click the send button or press the enter key, the message will be posted in the message box in the format:

[$Time] You: ${Message}

If the text input is empty, do nothing.

After a random delay of 10-30 seconds, the web page will post a message:

[$Time] AI: Lorem ipsum dolor sit amet.

A separate timer should start for each message the user sends, so if the user sends 3 messages before the AI responds, it will respond 3 times.

Criteria

| **Requirement** | **Marks Available** | **Mark(s) Awarded** | **Comments** |
| --- | --- | --- | --- |
| HTML page is created and CSS is implemented. | 2 |  |  |
| A message is posted in the correct format when the user hits the send button, or hits the enter key. (1 for the send button, 0.5 for the enter key). | 1.5 |  |  |
| The AI responds after a random delay (1 mark for response, 0.5 for random delay). | 1.5 |  |  |
| Accurate timestamps are included in all messages (0.5 for you, 0.5 for the AI). | 1 |  |  |
| AI responses are queued if multiple messages are sent. | 1 |  |  |
| **Deductions:** |  |  |  |
| README.md file is not present in the docs directory, or does not contain a reasonable minimum amount of information. | -1 |  |  |
| Empty messages are posted when clicking send or hitting the enter key. | -1 |  |  |
| Variable, class, constant, property and/or method names do not meet [the code style requirements](https://docs.google.com/document/d/12iEtYtYiKwRAjhLayI-JVNVqXkud3X_PtOE9D0sU9Cw/edit) (-0.5 each declaration). | -3 |  |  |
| Whitespace isn’t stripped from inputs. | -1 |  |  |
| Missing semicolons (-0.5 each). | -2 |  |  |
| Unhandled exception(s) generated (-1 each scenario that generates one). | -3 |  |  |

**Total: / 7**