



## Sesame Workshop Coding Challenge

*For the first question, please include the GIT repo and the web page of your response. For the second question, you could include your response in the same repo, submit via a text doc, or write it in the email body.*

1. Use only vanilla HTML5, CSS3 and JavaScript to implement such a page:
  - 1) There is a 100x100 square on the page. Its background is blue. It's positioned 40px to the top and 40px to the left.
  - 2) When clicked, the square moves smoothly to the right and stops at 40px to the right edge. You can use any animation algorithm and duration for this assignment.
2. You are designing a set of RESTful APIs for a front-end project. The API base URL is <http://example.com/api>. The PM wants you to implement a set of interfaces to *add a user*, *get all users*, and *delete a user*. Demonstrate how you will design the interfaces.

*\* You do not need to submit any actual code implementation of the interface itself, just demonstrate how it will look like from the front-end prospective.*

  - What URL you will use for each function (add/delete/get)?
  - What parameters the front-end should provide?
  - Write one example query from the front-end to add a user, and the example return value.

Consider that normally an API returns different results/statuses based on user's input, please demonstrate the return data structure:

- What information do you return to the front-end when the result is good?
- What do you return when something goes wrong in the server?
- The reason of your design.

