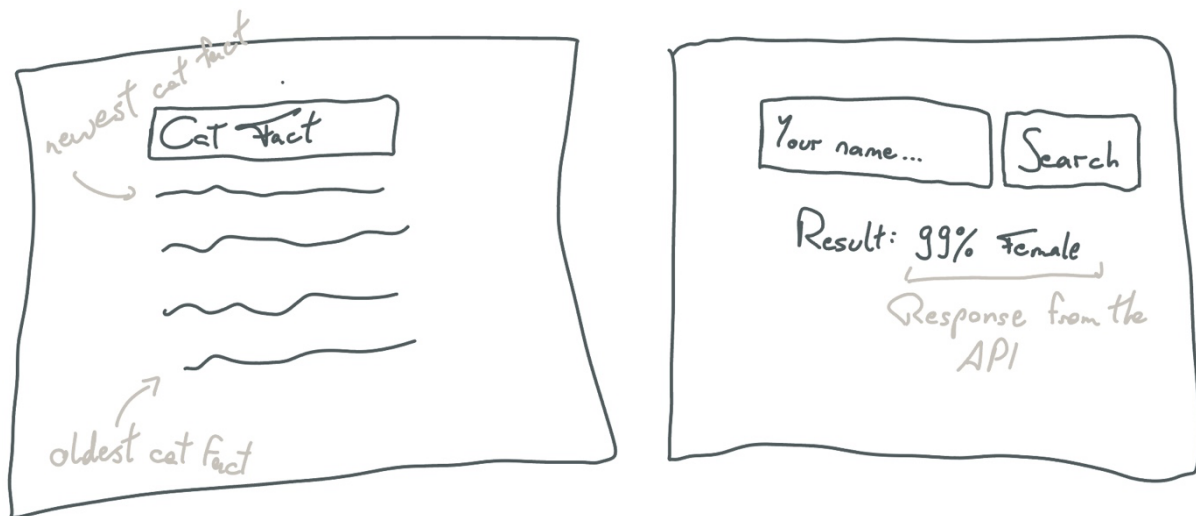


# PROBLEM SET 3

This graded problem set (3 points total) is due Sunday, February 12, 2023.

## 3.1 - JAVASCRIPT (3PT.)

For this task, you will need to create two simple webpages. You are free to use third-party CSS libraries or frameworks such as Bootstrap, Tailwind, paper CSS, etc. to make the styling process easier.



- a) The first webpage gives the user interesting facts about cats. To do this, use JavaScript to access the REST service API of this website:

<https://catfact.ninja/fact>

Any time the user presses on the “Cat Fact” button, a new cat fact should be fetched and prepended to the existing list of cat facts. As in, once a new fact has been received, it should appear above all the other cat facts.

Make sure that each fact is put inside a separate html tag (i.e., don’t just change the text of a single div element).

- b) Given a GET request parameter called “name”, this REST service API predicts the gender of the given name:

<https://api.genderize.io/?name=...>

A text input field and submit button should allow the user to find out, if a name given by them is predicted to be male or female of gender. Note that the webpage should not reload.

As always, please send your solutions for 3.1 to [felix.fritz@dauphine.psl.eu](mailto:felix.fritz@dauphine.psl.eu).