**class vs id**

**id** is an**id**entifier.

The **id**entifier must **id**entify something unambiguously. So something must be **unique** (exists only once)

So you use an id for a unique element that occurs only once for the entire page. When I say page, I mean one page, not the entire site.

You can repeat id = "test" on different subpages, but one page can contain only one identifier with one value, eg "test".

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You use **class**to classify tags into groups, so you use **class**for similar elements that are repeated on website.

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# is used for selecting id

. is used for selecting class

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By using "#" you are looking for only one item, so once it has found it in the page tree (structure), the browser doesn't need to look any further.

So # selector works faster than the '.'

Conversely, if you used "class" for all elements even the unique ones, you would slow down the performance of your website. Not much, but still.

In summary, we use:

id, when there is only one such element on the page, e.g. the top menu of the page

class, when there may be several elements on one page that need a similar appearance from the CSS level, e.g. list / paragraphs etc.