

HTML Nano framework requirements

1.1. In General:

I will design python class called HTML_Element, that will represent HTML element with the value and attributes of it.

1.2. Full requirements

When create instance, the system must verify that:

- Element name is actual HTML element.
- Attributes that entered is already exist for this element.
- ID is unique when use id attribute.

Generate 5 class methods:

- append (element, newElement): None:
add newElement to element as child
challenges:
 - check that id of newElement is unique
- render (element): str
print element tree as HTML string
challenges:
 - make respect level indentation
- findByAttribute (element, attribute, attributeValue): list
get all elements that has the attributeValue
- findByTag (element, tagName): list
get all element by tagName
- renderHTML (element): str
generate full HTML file that ready to run
challenges:
 - make respect level indentation