HTML Nano framework requirements

1.1. In General:

I will design python class called HTMLElement, 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:

  Must add newElement to element as child

- render (element): str

  Print element tree as HTML string

- findByAttrebute (element, attribute, attributeValue): list

  Get all elements that has the attribute and its value is attributeValue

- findByTag (element, tagName): list

  Get all element that has the name tagName

- renderHTML (element): str

  Generate full HTML file that ready to run

Generate unit testing with all test cases