Algorithmic Specification for the AutoLoc Script App

* Define a list of HTML elements that are suspected of containing translatable texts.
* Loop through the list and find all the list elements in each HTML document.
* Extract the text of each element without including that of its children.
* Assign a unique ID to each element whose text was extracted.
* Send all extracted texts to a JSON file with their corresponding element's IDs as keys to the strings.
* Do all the above for the source language (source locale).
* Copy the source locale JSON file into as many copies as specified for the target languages (target locales).
* The HTML files' contents must be replaced with the modified DOM content.
* Each locale's content is stored in a dedicated JSON file named after the locale, e.g. en.json keeps Japanese strings as the source locale while en.json keeps the English translation of the source locale and so on and so forth.
* There must be a global language switch select field that switches the JSON file read for content based on the locale name. For example, switching to "ja" locale should render the "ja.json" file's content as the website’s content.