**Sustainable City Management Coding Standard**

Language Used:

* Python
* JavaScript
* HTML5

Major Library Used:

* D3 (Javascript)
* Django

**Django Coding Standard**

We would be using Django Coding Style for the projects:

* Imports and Indentation
  + Use isort to automate import sorting
  + On each line, alphabetize the items with the upper case items grouped before the lowercase items.
  + Break long lines using parentheses and indent continuation lines by 4 spaces. Include a trailing comma after the last import and put the closing parenthesis on its own line.
  + Use a single blank line between the last import and any module level code, and use two blank lines above the first function or class.
  + Use convenience imports whenever available
* Template style
  + In Django template code, put one (and only one) space between the curly brackets and the tag contents.
* View style
  + In Django views, the first parameter in a view function should be called request.
* Model style
  + Field names should be all lowercase, using underscores instead of camelCase.
  + The class Meta should appear after the fields are defined, with a single blank line separating the fields and the class definition.
  + The order of model inner classes and standard methods should be as follows (noting that these are not all required):
    - All database fields
    - Custom manager attributes
    - class Meta
    - def \_\_str\_\_()
    - def save()
    - def get\_absolute\_url()
    - Any custom method()

**JavaScript Coding Style**

* Indentation Style to be confirmed in the .editorconfig file
* Naming variables, use camelCase instead of underscore\_case. Different JavaScript files sometimes use a different code style. Please try to conform to the code style of each file
* Use of JSHint code linter to check your code for bugs and style errors.
* Where possible, write code that will work even if the page structure is later changed with JavaScript.