Methods:

* Homepage():

Returns the homepage of the website

* diseaseTable():

Allows to go through the disease\_evidences.tsv file

* geseTable():

Allows to go through the gene\_evidences.tsv file

* diseaseDf():

Allows to download the disease\_evidences.tsv file

* geneDf():

Allows to download the gene\_evidences.tsv file

* documentation():

Returns an interactive documentation of the project

* about():

Returns a webpage with the names of the components of the group

* functions():

Returns a webpage with all the operations doable with the data tables

Operations:

* + - info():

Returns a webpage with informations of the datatables and their preview (heads and tails)

* + - distinctGenes():

Returns a webpage with the unique genes in gene\_evidences.tsv

* + - geneEvidences ():

Returns a webpage where the user can input the gene\_symbol or the geneName and then it returns all the evidences of the gene in the sentences

* + - distinctDiseases ():

Returns a webpage with the unique genes in disease\_evidences.tsv

* + - diseaseEvidences ():

Returns a webpage where the user can input the diseaseID or the diseaseName and then it returns all the evidences of the disease in the sentences

* + - correlation10 ():

Returns a webpage with the 10 top most frequent correlations between genes and diseases

* + - correlationAll ():

Returns a webpage with all the correlations between genes and diseases

* + - diseasesRelatedToGene ():

Returns a webpage where the user can input the gene\_symbol or the geneName and then it returns all the diseases related to the gene in the sentences of both data tables

* + - genesRelatedToDisease ():

Returns a webpage where the user can input the diseaseID or the diseaseName and then it returns all the genes related to the disease in the sentences of both data tables

Html documentation:

Instead of repeating the same code for the navigation bar in every page, we created a base file from which all html templates inherit from. Then each page adds its own title, style, head and body through the use of the block statement {% block title %}{% endblock} used by jinja2 engine in each page.

To have a nice looking webpage we used bootstrap to get the navigation bar and many buttons and forms.