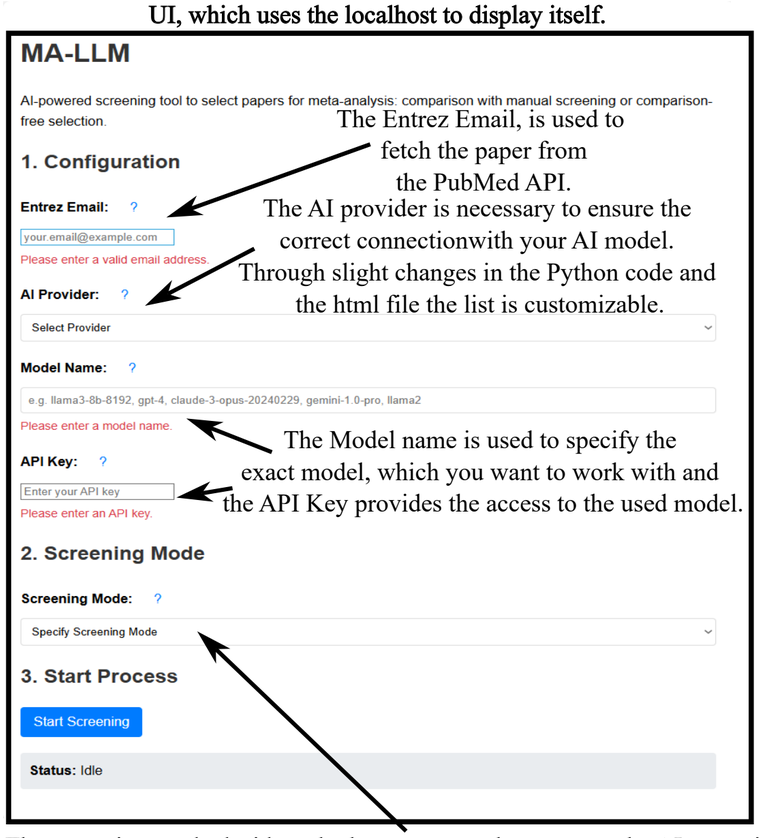
UI, which uses the localhost to display itself.



The Entrez Email, is used to fetch the paper from the PubMed API.

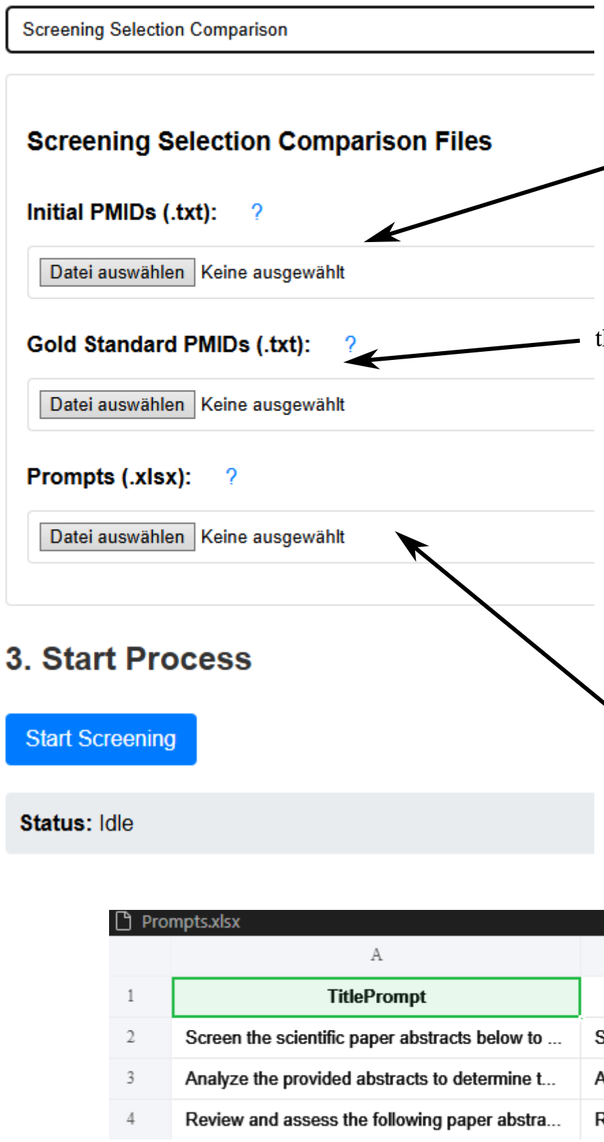
The AI provider is necessary to ensure the correct connectionwith your AI model. Through slight changes in the Python code and the html file the list is customizable.

The Model name is used to specify the exact model, which you want to work with and the API Key provides the access to the used model.

The screening mode decides whether you want the compare the AI screening with a known result using the Screening Selection Comparison or if you are only interested to screen paper using an AI without any comparison in the Comparison-free Screening mode.

Screening Selection Comparison

Comparison-free Screening



The Initial.txt file contains the pmids of all papers to screen in the following form:

Initial.txt

```
1  16279822
2  26672700
3  22900592
4  37959247
```

The Goldstandard_Selected.txt file contains the pmids of the papers which have been selected by human screeners and they have the same form as the Initial.txt file.

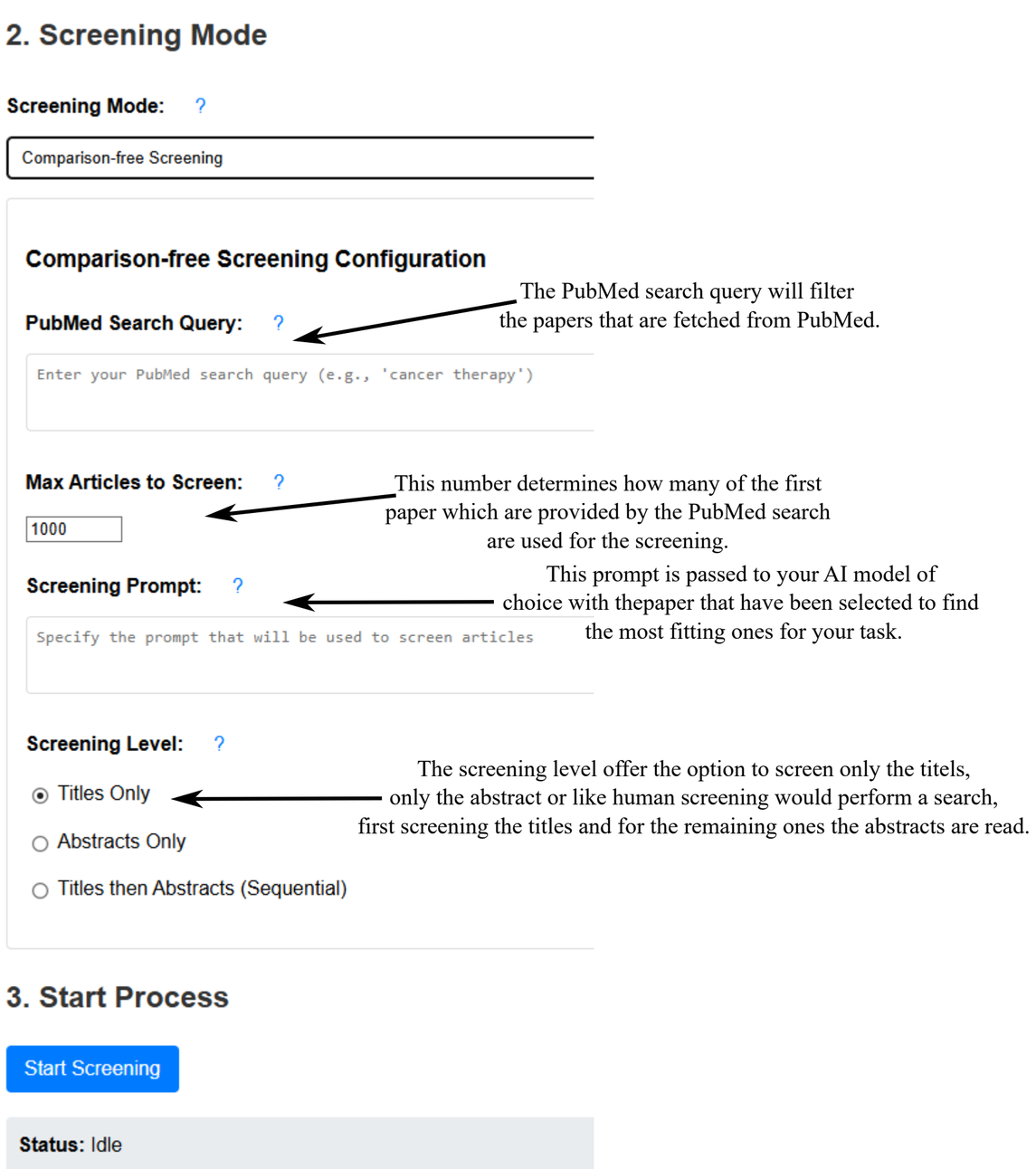
Goldstandard_Selected.txt

```
1  23726340
2  19892291
3  25406652
4  20685519
```

The Prompts.xlsx contains the prompts for the AI model to screen with additionally it will be the output file which is returned as the intermediate result or after finishing the hole screening, but with additionall metrics added to the Excel file.

Prompts.xlsx

	A	B	C	D
1	TitlePrompt	AbstractPrompt	screen_titles	screen_abstra...
2	Screen the scientific paper abstracts below to ...	Screen the scientific paper abstracts below to ...	0	1
3	Analyze the provided abstracts to determine t...	Analyze the provided abstracts to determine t...	0	1
4	Review and assess the following paper abstra...	Review and assess the following paper abstra...	0	1



The PubMed search query will filter the papers that are fetched from PubMed.

This number determines how many of the first paper which are provided by the PubMed search are used for the screening.

This prompt is passed to your AI model of choice with thepaper that have been selected to find the most fitting ones for your task.

The screening level offer the option to screen only the titels, only the abstract or like human screening would perform a search, first screening the titles and for the remaining ones the abstracts are read.