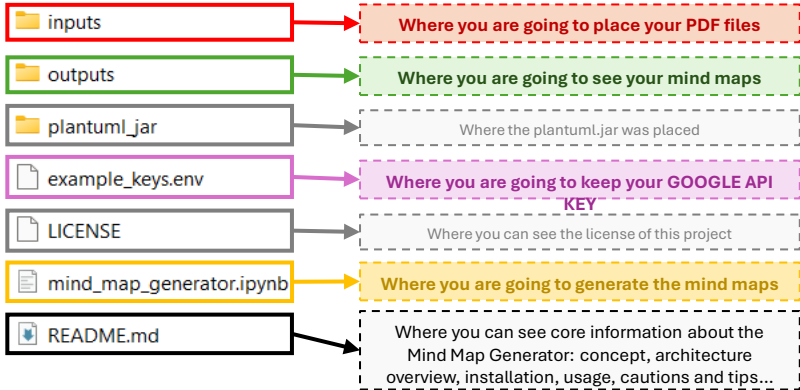
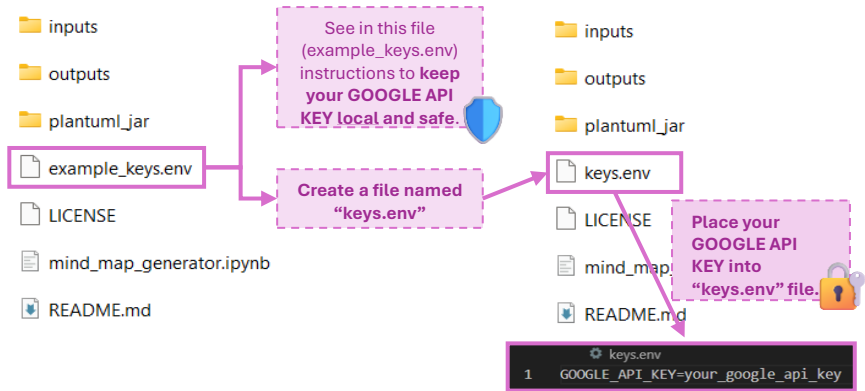


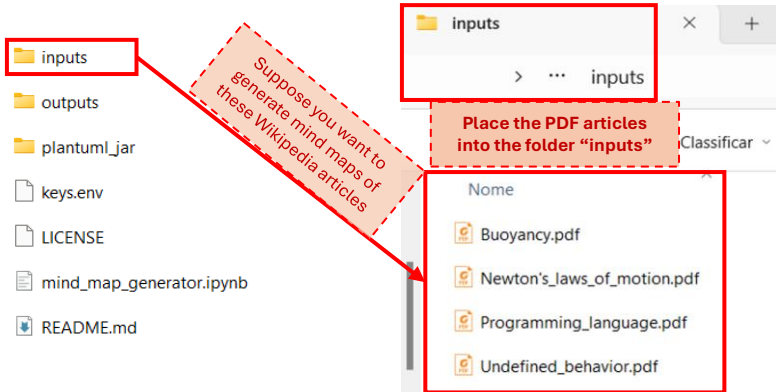
Overview



Security configuration



The 'inputs' folder



Mind maps generation

inputs

outputs

plantuml.jar

keys.env

LICENSE

mind_map_generator.ipynb

Open the
"mind_map_generator.ipynb" file

The screenshot shows a Jupyter Notebook titled "mind_map_generator.ipynb" with a dark theme. The notebook has three sections: "Imports and Functions", "User Interface and Workflow Setup", and a hidden cell. Annotations with yellow arrows and boxes guide the user through the process:

- An arrow points from the file "mind_map_generator.ipynb" in the left sidebar to a dashed box containing the text: "Open the 'mind_map_generator.ipynb' file".
- An arrow points from the "Imports and Functions" section to a dashed box containing the text: "1) click on 'Execute Cell' within 'Imports and Functions'", accompanied by a blue play button icon.
- An arrow points from the "User Interface and Workflow Setup" section to a dashed box containing the text: "2) click on 'Execute Cell' within 'User Interface and Workflow Setup'", accompanied by a blue play button icon.
- An arrow points from the hidden cell (indicated by a small square icon) to a dashed box containing the text: "3) click here to see the content of the hidden cell.", accompanied by a purple eyes icon.

Mind maps generation

Imports and Functions

1 cell hidden

User Interface and Workflow Setup

```
1 # User interface
2 description="Upload and Process", layout=widgets.Layout(width='150px'))
3 description="Reprocess Uploaded Files", layout=widgets.Layout(width='200px'))
4 workflow(True))
5 run_workflow(False))
6 [upload_button, reprocess_button])
7
8 puml_selector = list_puml_files()
9
10 return widgets.VBox([workflow_buttons, puml_selector])
11
12 # Inicialização
13 inputs_path = "inputs"
14 combined_interface = create_combined_interface()
15 display(combined_interface)
```

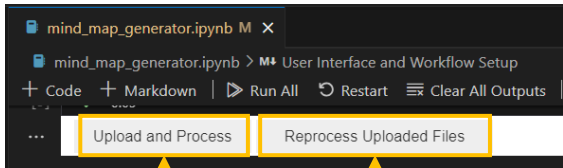
[?] ✓ 0.0s

Upload and Process Reprocess Uploaded Files

No .puml file found in the 'outputs' folder.

Use this panel at the bottom to generate the mind maps from your PDF files.

Mind maps generation



Click here to upload
your PDFs and
generate mind maps

If there are any files in Google Genai Cloud, they will
be deleted. Genai Cloud is a specific cloud for
processing files with Gemini and does not affect
your Google Drive files - don't worry!

Click here if you
have already
uploaded your PDF
files and want to
generate new mind
maps for them

Mind maps generation

Suppose the 'Upload and Process' button is pressed...

If there are any files in Genai Cloud, they will be deleted.

Information about the upload process

See the progress of the mind map generation here

The screenshot shows a Jupyter Notebook environment with the following components:

- Buttons:** 'Upload and Process' (highlighted with a yellow box) and 'Reprocess Uploaded Files'.
- Output Text:**
 - Files removed from the cloud: Buoyancy.pdf, Newton's laws_of_motion.pdf, Undefined_behavior.pdf, Programming language.pdf.
 - Uploaded files and their Google Drive links:
 - Programming language.pdf: <https://generativelanguage.googleapis.com/v1beta/files/929i380bt3tc>
 - Undefined_behavior.pdf: <https://generativelanguage.googleapis.com/v1beta/files/6g0h77l44o4a>
 - Newton's laws_of_motion.pdf: <https://generativelanguage.googleapis.com/v1beta/files/cvfly3nm83p4>
 - Buoyancy.pdf: <https://generativelanguage.googleapis.com/v1beta/files/hiilkoshygsi>
 - Uploaded files list with timestamps:
 - Programming language.pdf - 2024-12-04 20:21:01.751912+00:00
 - Undefined_behavior.pdf - 2024-12-04 20:21:05.694821+00:00
 - Newton's laws_of_motion.pdf - 2024-12-04 20:21:09.705049+00:00
 - Buoyancy.pdf - 2024-12-04 20:21:13.653455+00:00
 - Starting map generation...
- Progress Bar:** A progress bar for 'Files:' is shown, followed by the text '\ 10-second suspension initiated... 7 seconds remaining'.
- Generation Results:**
 - Conteúdo salvo com sucesso no arquivo 'outputs\929i380bt3tc.txt'.
 - Image generated successfully!
 - Image generated successfully: outputs\20241204_172121_mapa_mental_Programming_language.png
 - 10-second suspension initiated...
 - Conteúdo salvo com sucesso no arquivo 'outputs\6g0h77l44o4a.txt'.
 - Image generated successfully!
 - Image generated successfully: outputs\20241204_172138_mapa_mental_Undefined_behavior.png
 - 10-second suspension initiated...
- Icons:** A red arrow icon, a green checkmark icon, a green checkmark icon, and an hourglass icon.

Mind maps generation

Wait until the progress bar shows 'Finished!' or the message 'Script finished!...' appears.

Then, you can find your mind maps in the 'outputs' folder.

The screenshot displays a Jupyter Notebook window titled 'mind_map_generator.ipynb'. The interface includes a toolbar with options like 'Run All', 'Restart', and 'Clear All Outputs'. The code cell shows the removal of files from the cloud and the upload of four PDF files: 'Programming_language.pdf', 'Undefined_behavior.pdf', 'Newton's laws of motion.pdf', and 'Buoyancy.pdf'. It also lists the upload times for each file. A progress bar at the bottom of the code cell is labeled 'Files:' and 'Finished!'. To the right of the progress bar is a green checkmark icon and a confetti icon. Below the code cell, the output shows the successful saving of files to the 'outputs' folder and the generation of mind maps for each file. The final output message is 'All files processed. Script finished! All files in the 'pdf' folder have been scanned to generate mind maps.' To the right of the notebook, a file explorer shows the 'outputs' folder containing files like 'plantuml.jar', 'example_keys.env', 'LICENSE', 'mind_map_generator.ipynb', and 'README.md'. A green checkmark icon and a confetti icon are also present at the bottom right of the file explorer.

```
mind_map_generator.ipynb M X
mind_map_generator.ipynb > User Interface and Workflow Setup >
+ Code + Markdown | Run All | Restart | Clear All Outputs | Variables | Outline ...
base (Python 3.10.14)

The file Newton's_laws_of_motion.pdf was removed from the cloud.
The file Undefined_behavior.pdf was removed from the cloud.
The file Programming_language.pdf was removed from the cloud.
uploaded file 'Programming_language.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/9z9i38obt3tc
uploaded file 'Undefined_behavior.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/6g0h77l44o4a
uploaded file 'Newton's laws of motion.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/cvfly3mm83p4
uploaded file 'Buoyancy.pdf' as: https://generativelanguage.googleapis.com/v1beta/files/hiilkoshygsi
Uploaded files:
Programming_language.pdf - 2024-12-04 20:21:01.751912+00:00
Undefined_behavior.pdf - 2024-12-04 20:21:05.694821+00:00
Newton's_laws_of_motion.pdf - 2024-12-04 20:21:09.634555+00:00
Buoyancy.pdf - 2024-12-04 20:21:13.653455+00:00
Starting map generation...

Files: [Progress Bar] Finished!

Conteúdo salvo com sucesso no arquivo 'outputs\9z9i38obt3tc.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172121_mapa_mental_Programming_language.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\6g0h77l44o4a.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172138_mapa_mental_Undefined_behavior.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Conteúdo salvo com sucesso no arquivo 'outputs\cvfly3mm83p4.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172243_mapa_mental_Newton's_laws_of_motion.pdf
10-second suspension initiated...
Conteúdo salvo com sucesso no arquivo 'outputs\hiilkoshygsi.txt'.
Image generated successfully!
Image generated successfully: outputs\20241204_172300_mapa_mental_Buoyancy.pdf
All files processed.
Script finished! All files in the 'pdf' folder have been scanned to generate mind maps.
```

inputs

outputs

plantuml.jar

example_keys.env

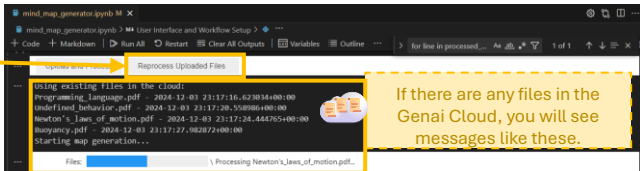
LICENSE

mind_map_generator.ipynb

README.md

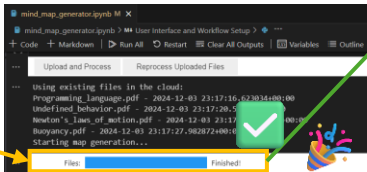
Mind maps generation

Suppose the
“Reprocess
Uploaded Files”
button is pressed...



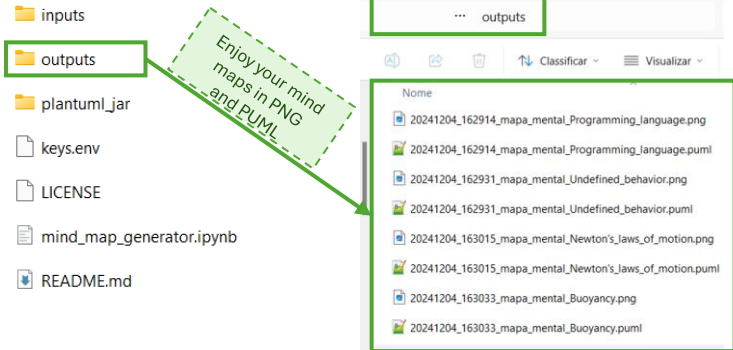
If there are any files in the
Genai Cloud, you will see
messages like these.

Wait until the
progress bar shows
“Finished!”. Then,
you can see your
mind maps in the
“outputs” folder.



inputs
outputs
plantuml.jar
example_keys.env
LICENSE
mind_map_generator.ipynb
README.md

The 'outputs' folder



Manual adjustment

User Interface and Workflow Setup

If necessary, you can manually adjust your .puml mind map, save it, and press 'Generate Mind Map' within the "mind_map_generator.ipynb" for creating a .png of your adjusted mind map

```
1 @startmindmap
2 * Programming Languages
3 ** Definition
4 ***: A system of notation for
5 writing computer programs;
6 ****: Defined by syntax (form) and
7 semantics (meaning);
8 ****: Fea
9 variables
10 ** Types
11 ** Imperative
```

adjusting the .puml mind map

```
1 @startmindmap
2 * Programming Languages
3 ** Definition
4 ***: A system of notation for
5 writing computer programs;
6 ****: Defined by syntax (form) and
7 semantics (meaning);
8 ****: Features include type systems,
9 variables, error handling;
10 ** Types
11 *** Type 1
12 *** Type 2
13 ** Imperative
```



saving the adjusted .puml

selecting the adjusted .puml

PUML Files: 20250215_100542_mapa_mental_Programming_language.puml

Generate Mind Map

generating mind map

20250215_100542_mapa_mental_Programming_language.puml

20250215_100542_mapa_mental_Programming_language.txt

20250215_100542_mapa_mental_Programming_language.png

opening the .puml mind map