

The HumanFont Project

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2017 年 7 月 23 日

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1 Usage

1.1 Input Strings

The input path is ./main/input

1. Put your input strings in a UTF-8 decoded text(e.g, readme.txt)
2. Fill in the 'filename' blank

1.2 Output Strings

The output path is ./main/output

1. Fill in the 'outputname' blank(e.g, readme.pdf)

1.3 Size

1. Fill in the 'size' blank

1.4 WARNINGS

1. The input file name must contain the SUFFIX(.txt)
2. The input file must be decoded in UTF-8
3. The output file name must contain the SUFFIX(.pdf)
4. Due to the time is scarce ,we haven't already written the Exception Handling part,any error will straightly lead to a failure,by the way,the button delay probably means success.

2 Project purpose

1. Simulate the handwriting of human beings.
2. Let members have a brief knowledge of Python

3 Task Allocation

3.1 GUI part

Jiayi Sun,Gang He,Bichi Wu

3.2 CORE part

Chengyi Xing,Chenxi Liu

4 Application Scenarios

4.1 Send Greeting card

Anyone who can't write greeting cards on the spot can use the HumanFont to generate greeting cards of one's font. Especially to the Florists, who can offer flowers online, and use the HumanFont to generate greeting cards.

4.2 Customization Documents

Custom is being more and more impressive, having a customized documents can make a huge difference. In addition, using the HumanFont can build amazing websites of your own fonts.

4.3 Copy the text?

Yes, you can use HumanFont to Copy your text! (run...

5 Code Details

5.1 Minds

Using the Python programming language, generate multiple and random fonts outputs.

5.2 Structure

5.2.1 main.py

Main program

5.2.2 gui.py

Generate the gui

5.2.3 import_path.py

Get all the fonts(.ttf) under the ./fonts folder

5.2.4 reg_font.py & reg_all_Fonts.py

Register the fonts to the program for

5.2.5 get_text.py

Get specific text from ./input folder

5.2.6 core.py

Generate the output pdf

5.3 Libs and Modules**5.3.1 reporlab.pdfgen.canvas****5.3.2 reportlab.lib.fonts****5.3.3 reportlab.pdfbase.ttfonts.pdfmetrics****5.3.4 reportlab.pdfbase.ttfonts****5.3.5 random****5.3.6 Tkinter****5.3.7 os**

6 API reference

6.1 import_path module**6.1.1 def get_font_list()**

Return Fonts names list and Font quantities

6.2 get_text module**6.2.1 def get_text(file_name)**

Return the text String

6.3 `reg_font` module

6.3.1 `def reg_Fonts(rel_path.fonts_name)`

Register the Fonts under the path

6.4 `reg_all_Fonts` module

6.4.1 `def reg_all(canvas_object)`

Register all the fonts

6.5 `core` module

6.5.1 `def core(output_file_,input_texts,font_size)`

Output files

7 Project Future

1. Add the Exception Handling part.
2. Register fonts by Browsing the font files.
3. Support MuliInputs

8 Contributors

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