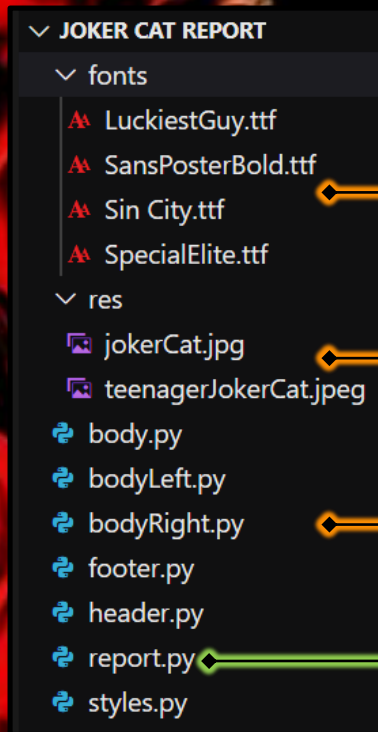# Joker Cat Report - Code Guide

The main purpose of this code guide is to show you the key points about the Document Structure as well to serve as an index for the code!
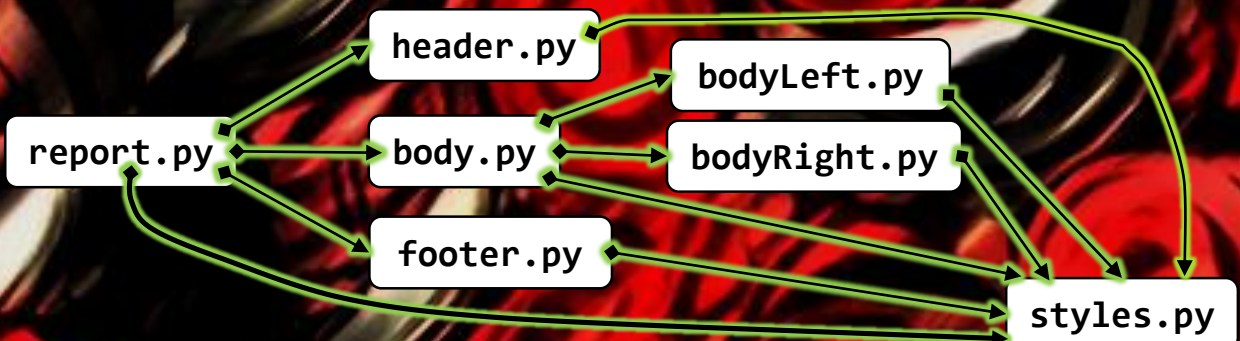
The project files are:

```
∨ JOKER CAT REPORT
  ∨ fonts
     Aa LuckiestGuy.ttf
     Aa SansPosterBold.ttf
     Aa Sin City.ttf
     Aa SpecialElite.ttf
  ∨ res
     🖼 jokerCat.jpg
     🖼 teenagerJokerCat.jpeg
  ⮁ body.py
  ⮁ bodyLeft.py
  ⮁ bodyRight.py
  ⮁ footer.py
  ⮁ header.py
  ⮁ report.py
  ⮁ styles.py
```

◆ → Fonts to be registered and used

◆ → Pictures

◆ → Python Scripts

To generate the report execute the command: `py .\report.py`

File dependencies:
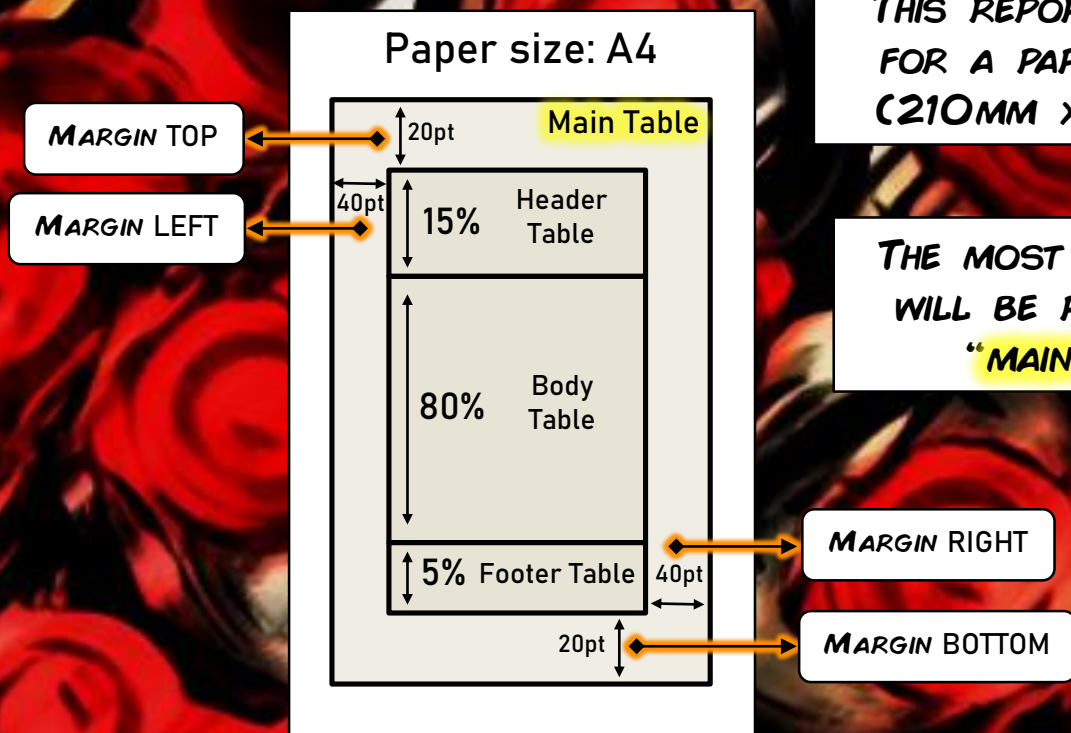

report.py → header.py
report.py → body.py
report.py → footer.py
report.py → styles.py
body.py → bodyLeft.py
body.py → bodyRight.py
header.py → styles.py
bodyLeft.py → styles.py
bodyRight.py → styles.py
footer.py → styles.py

The document structure is based on having tables inside tables, so it is easy to position the elements in a structured way!

Paper size: A4

Main Table

20pt

Margin TOP

40pt

Margin LEFT

15% Header Table

80% Body Table

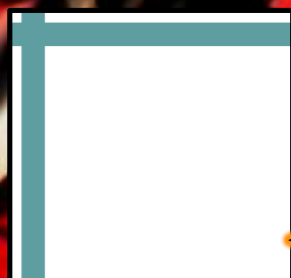5% Footer Table

40pt

Margin RIGHT

20pt

Margin BOTTOM

This report is design for a paper size A4 (210mm x 297mm)...

The most outer table will be referred as "main table"!

As you can see the main table have 3 rows and 1 column. Each row have a table inside of it!

The code that defines this structure is in the file report.py!

report.py	
Action	**Line**
Register external fonts	**55**
Create PDF	**74**
Create Main table	**96**
Draw document border lines	**121**

Now Lets see the first table – The HEADER TABLE!

Header Table

	Info Table	Image
80%		20%

NAME: Joker Cat
AGE: 3 years old
NOTE: Extremely Dangerous

Info Table

18%	30%	15%
		15%
		15%

THIS IS JUST A REGULAR IMAGE RESIZED TO 3% OF ITS SIZE!

THE HEADER TABLE HAVE 1 ROW AND 2 COLUMNS...

THE 1ST COLUMN CONTAINS ANOTHER TABLE "INFO TABLE" VERY HELPFUL TO FORMAT THE POSITION OF THE TEXT!

THE CODE THAT DEFINES THIS STRUCTURE IS IN THE FILE header.py!

header.py	
ACTION	**LINE**
Create Header Table	16
Create Info Table	53

Now lets see the big one – The Body table...

It has just 1 row and 2 columns!

Body Table

Body Left Table	Body Right Table
50%	50%

Fear the JOKER CAT!

EVIL HAS A NEW FACE!

Citizens of the world have to deal with a new threat! Joker Cat is now unstopable destroying sofas all around the planet!

TERROR HAS JUST BEGAN!

Sofas are now in extinction and if we don't stop him... He will destroy sofas at ISS (International Space Station) and even on Mars!!!
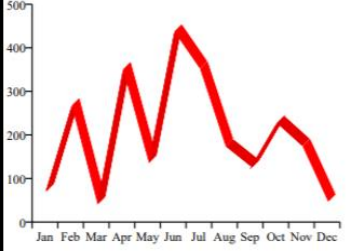
TEENAGE JOKER CAT

CRIMES PER MONTH

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
69	263	39	346	134	433	348	170	123	223	170	42

Crimes per month - 3D Line Chart

DANGER!

STAY ALERT!

WE NEED A HERO

The file body.py **only have the code for the structure of Body Table!**

The content of each column will be generated on 2 separated files: **bodyLeft.py** and **bodyRight.py**!

body.py	
Action	**Line**
Create Body Table	12

4

The table of the left have 5 rows!

Fear the JOKER CAT!

EVIL HAS A NEW FACE!

Citizens of the world have to deal with a new threat! Joker Cat is now unstopable destroying sofas all around the planet!
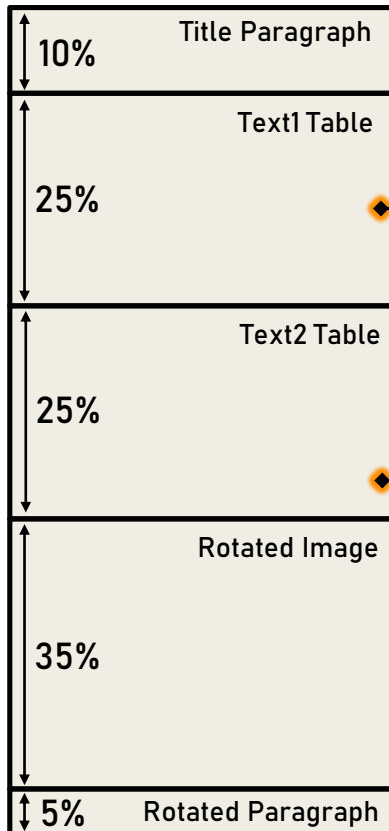
TERROR HAS JUST BEGAN!

Sofas are now in extinction and if we don't stop him... He will destroy sofas at ISS (International Space Station) and even on Mars!!!
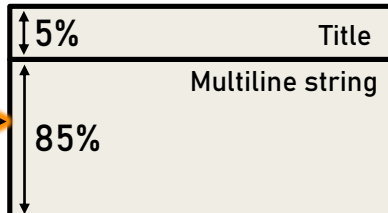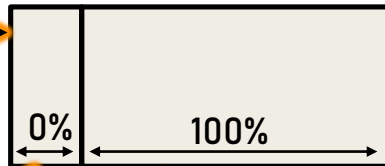
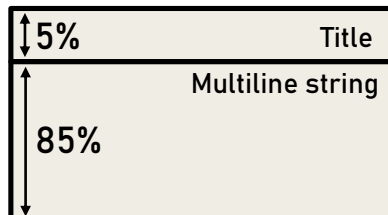TEENAGE JOKER CAT

Body Left Table

10%	Title Paragraph
25%	Text1 Table
25%	Text2 Table
35%	Rotated Image
5%	Rotated Paragraph

Text1 Table

5%	Title
85%	Multiline string

Table

0%	100%

Text2 Table

5%	Title
85%	Multiline string

Drawing – Background

95%
89%
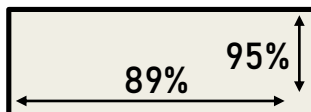
bodyLeft.py

Action	Line
Create Body Left Table	15
Create Title Paragraph	65
Create Text1 Table	98
Create Text2 Table	110
Create Rotated Image	226
Create Rotated Paragraph	249

Joker Cat Report - Code Guide

Crimes Table

Title Table	
20%	Title Table
30%	Data Table

Body Left Table

	Crimes Table
15%	
35%	Crimes Chart
30%	Stay Alert Draw
20%	Super Mario Draw

Title Table

16%	68%	16%

Data Table

height / 2

width / 12

CRIMES PER MONTH

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
69	263	39	346	134	433	348	170	123	223	170	42

Crimes per month - 3D Line Chart

DANGER!

STAY ALERT!

WE NEED A HERO
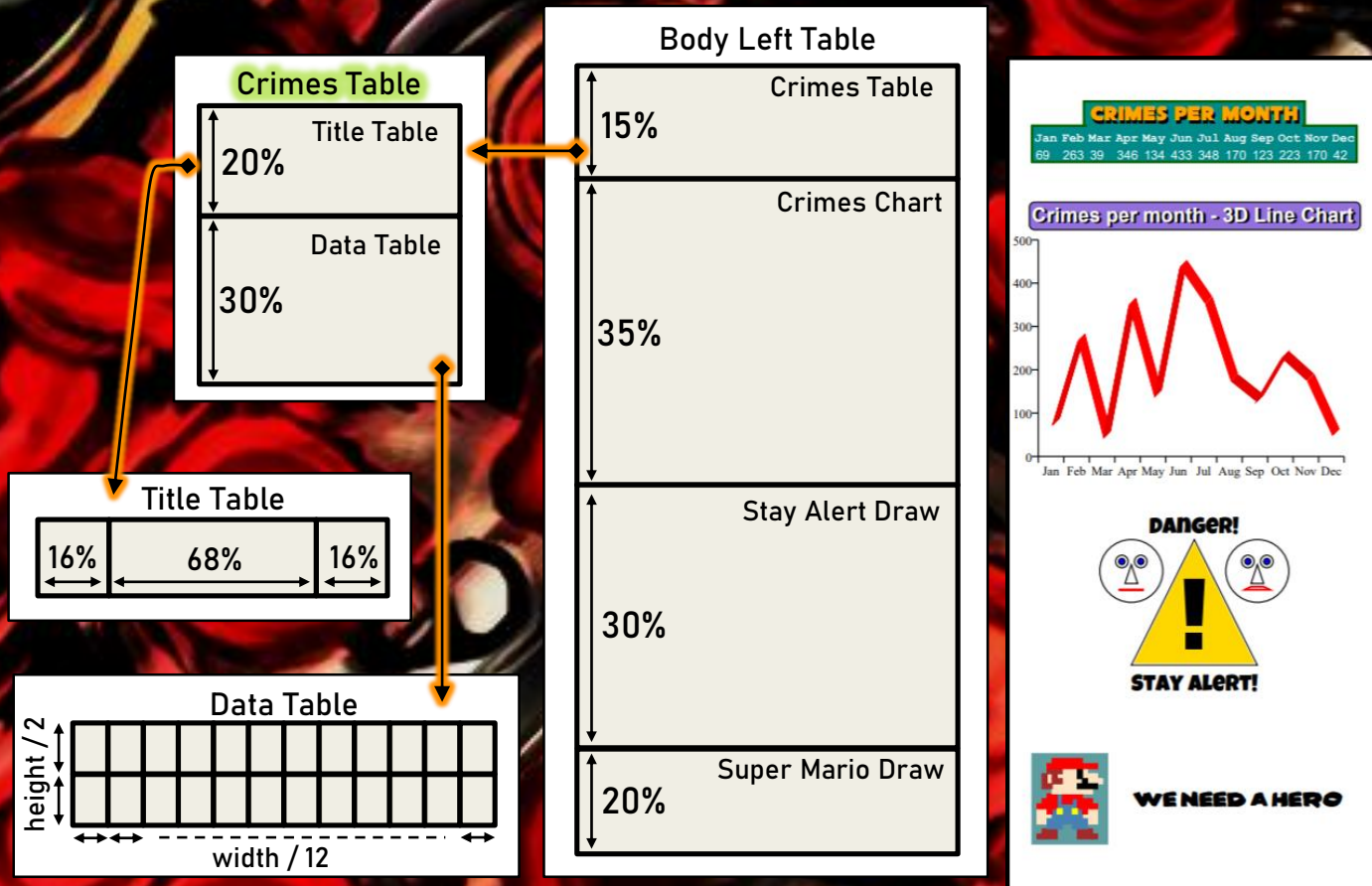
As you can see "Crimes Table" is made using 2 tables...

Since we don't have a way to express that columns of different rows should have different widths...we do this workaround!

bodyRight.py

Action	Line
Create Body Right Table	13
Create Crimes Table	74
Create Crimes Chart	188
Create Stay Alert Draw	267
Create Super Mario Draw	310

And the final one: The FOOTER TABLE!

Footer Table

	Text1	Text2
	80%	20%

If you see him please contact secret services at secretServicesJokerCat@secret.com   July 17th, 2020

The footer table have 1 row and 2 columns with simple text...

footer.py

Action	Line
Create Footer Table	**18**

Joker Cat Report - Code Guide

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