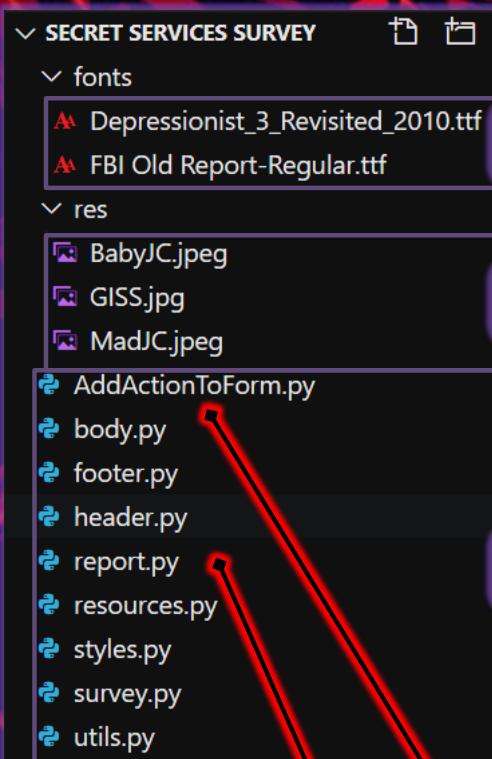


Secret Services Survey – Code Guide



The purpose of this guide is to highlight the key points about the Document Structure as well to serve as an index for the code!

This are the project files!



Fonts to register and use

Pictures

Python Scripts

**To add actions to forms:
py .\AddActionToForm.py**

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

**NOTE: In AddActionToForm.py we are using pdfrw!
To install pdfrw - pip install pdfrw**

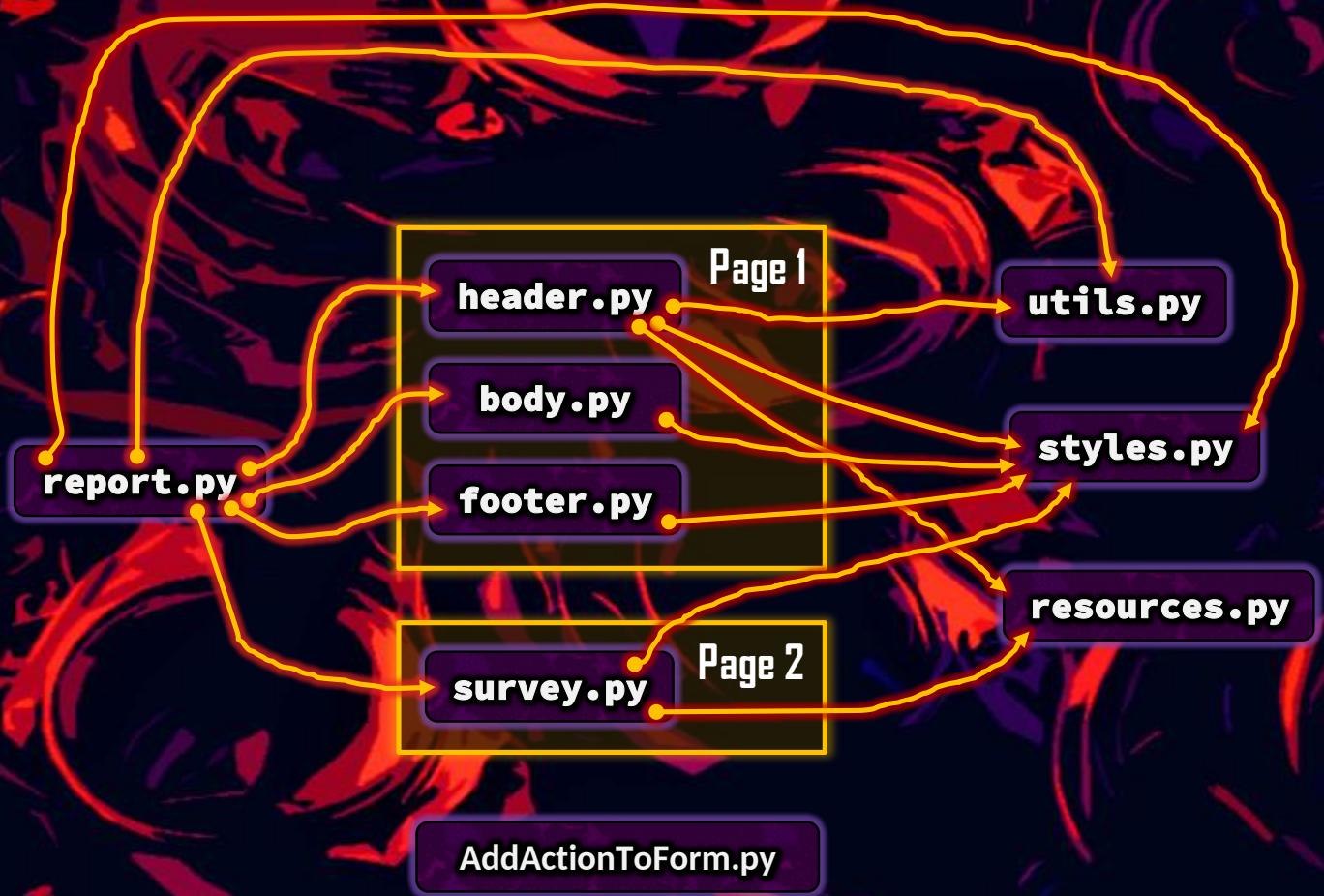
THE CORRECT ORDER TO EXECUTE THE SCRIPTS

- 1) **py .\report.py**
- 2) **py .\AddActionToForm.py**

Secret Services Survey – Code Guide



Files dependencies:



Note: The 1st page generation code is split in three files:
header.py, body.py and footer.py!

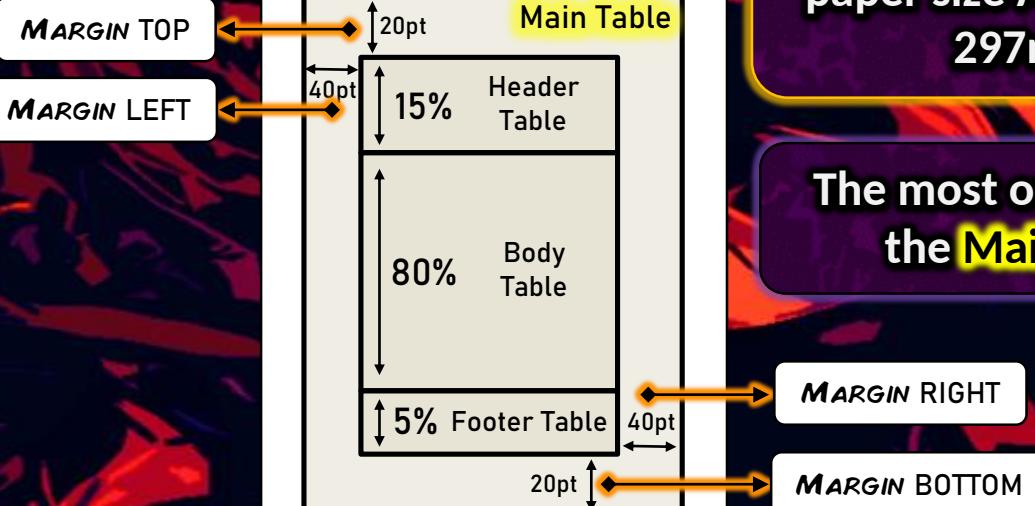
Note2: AddActionToForm.py have the purpose of append
JavaScript code to the previous generated PDF and is
executed separately from the rest!

Secret Services Survey – Code Guide

In the 1st page we use the strategy of having tables inside tables... Doing in this way will be easier for us to position the elements!

Page 1

Paper size: A4

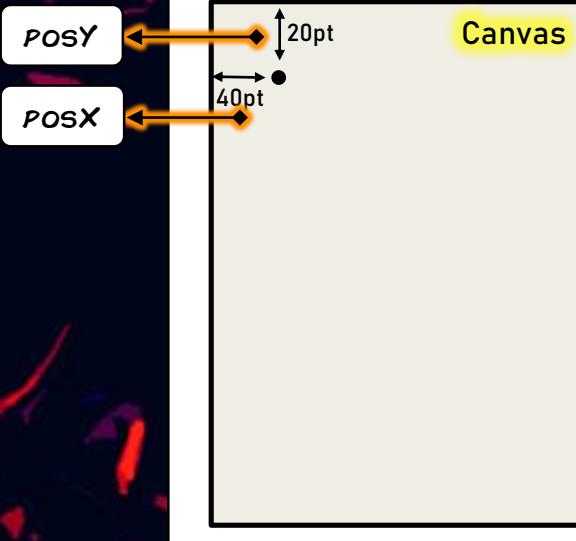


This report is design for a paper size A4 (210mm x 297mm).

The most outer table is the **Main Table!**

Page 2

Paper size: A4



This code is defined in the file `report.py`

In the 2nd page we are drawing the elements directly on canvas!

Secret Services Survey – Code Guide



Where is the code?

report.py	
ACTION	LINE
Register external fonts	86
Create PDF	98
Create Main table for Page 1	125
Draw Page Water Mark	179
Do a Page Break on Canvas	184
Generate content for Page 2	192

Now lets see the 1st page!


Document number: 4021

SECRET SERVICES SURVEY
Case study
"Joker Cat an unexplained danger never seen before..." 

Survey about Joker Cat

This survey aims to study the impact of **Joker Cat** on our society as well as on our lives. What we have to change and what we need to do to save ourselves!

No need to panic!

The Global Intelligence Secret Services - GISS - are here to fight against **J.C.**

Joker Cat just can't stop doing this, destroying sofas and making people suffer... Bites people's hands and scratches everything he can put his hands on! So GISS is doing an investigation on how to **stop** this little guy! The time has come to rally to a new manner! Let no human deny the perils of our time... the tides of an **unnameable** war are upon us! In unity lies strength! From this day forward let no human make war upon another human! We shall **win** through no matter the cost!

GISS - 26 August, 2020

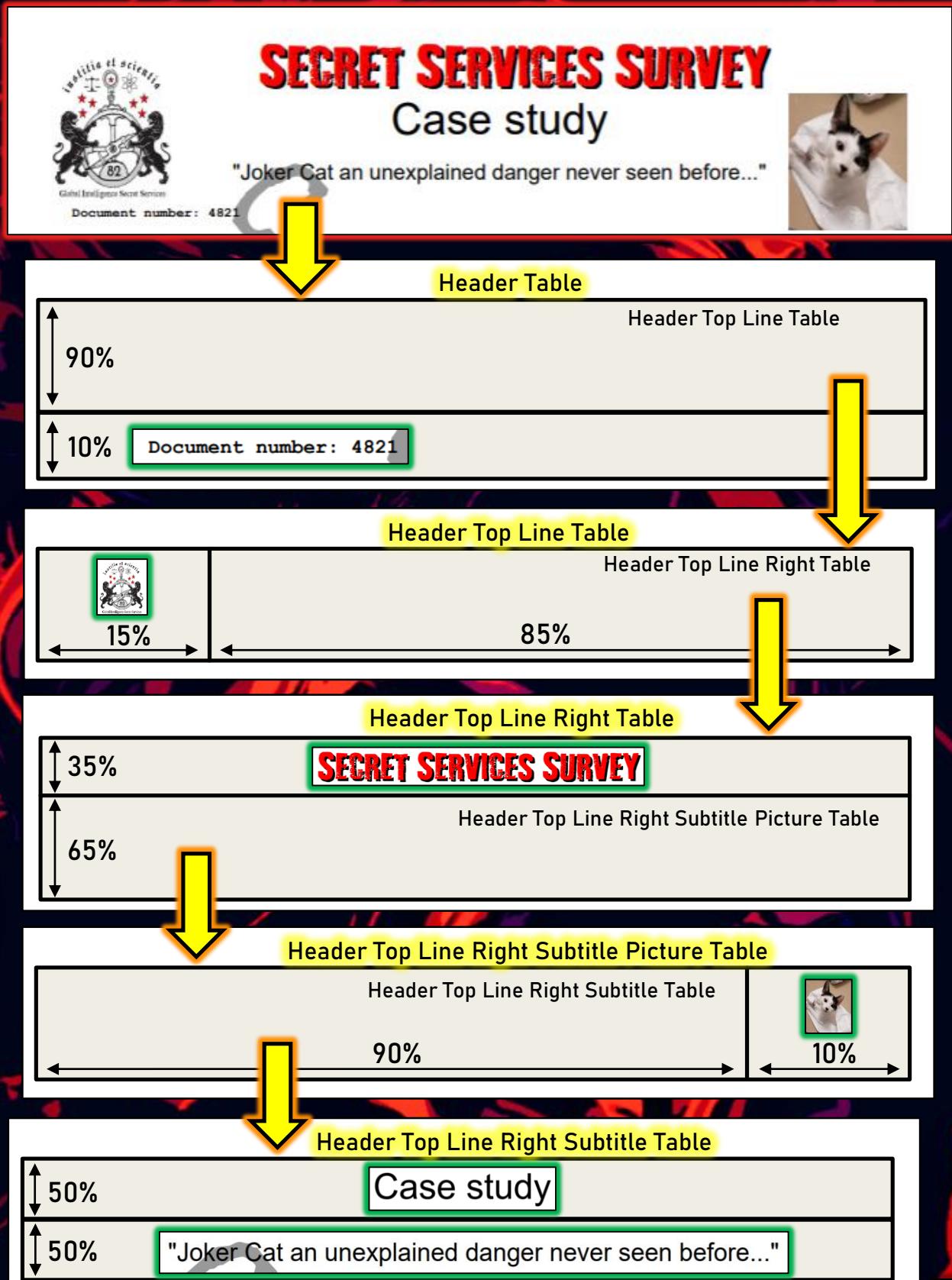
Dr Marco Reeves
GISS Major President

Dr Ambrose Dias
GISS Subdirector

GISS - Super Secret Survey | House n°384 Sir Housenberg Street
New Welinbom 38274-BT EU

Secret Services Survey – Code Guide

Page 1 - Header Table (header.py)





Page 1 - Header Table (header.py)

Where is the code?

header.py	
ACTION	LINE
Create Header Table	13
Create Header Top Line Table	41
Create Header Top Line Right Table	74
Text with Shadow	88
Center a String	107
Create Header Top Line Right Subtitle Picture Table	136
Create Header Top Line Right Subtitle Table	170

Secret Services Survey – Code Guide

Page 1 - Body Table (body.py)

Body Table

Paragraph List

Is a list with paragraphs, spacers and a table. Useful when we want to insert more than 1 paragraph in a table cell!

1 Survey about Joker Cat

2 This survey aims to study the impact of **Joker Cat** on our society as well as on our lives. What we have to change and what we need to do to save ourselves!

Spacer

3 No need to panic!

Spacer

4 The Global Intelligence Secret Services - GISS - are here to fight against **JC**.

Spacer

5 Joker Cat just can't stop doing this, destroying sofas and making people suffer... Bites people's hands and scratches everything he can put his hands on! So GISS is doing an investigation on how to **stop** this little guy! The time has come to rally to a new manner! Let no human deny the perils of our time... the tides of an **unwinnable** war are upon us! In unity lies strength! From this day forward let no human make war upon another human! We shall **win** through no matter the cost!

Spacer

6 GISS - 26 August, 2020

Spacer

7 _____

8 Dr Marco Reeves

9 GISS Major President

Spacer

Table

	Dr Ambrose Dias
	GISS Subdirector

65% 35%

1 Survey about Joker Cat

2 This survey aims to study the impact of **Joker Cat** on our society as well as on our lives. What we have to change and what we need to do to save ourselves!

3 No need to panic!

The Global Intelligence Secret Services - GISS - are here to fight against **JC**.

Joker Cat just can't stop doing this, destroying sofas and making people suffer... Bites people's hands and scratches everything he can put his hands on! So GISS is doing an investigation on how to **stop** this little guy! The time has come to rally to a new manner! Let no human deny the perils of our time... the tides of an **unwinnable** war are upon us! In unity lies strength! From this day forward let no human make war upon another human! We shall **win** through no matter the cost!

6 GISS - 26 August, 2020

7 Dr Marco Reeves
GISS Major President

8 _____

9 Dr Ambrose Dias
GISS Subdirector

The body have some examples on paragraphs to add:
Hyperlinks, Anchors, bold, italic, underline, change font color and size, strike, subscript, superscript, center and new line (br/).

Secret Services Survey – Code Guide



Page 1 - Body Table (body.py)

Where is the code?

body.py

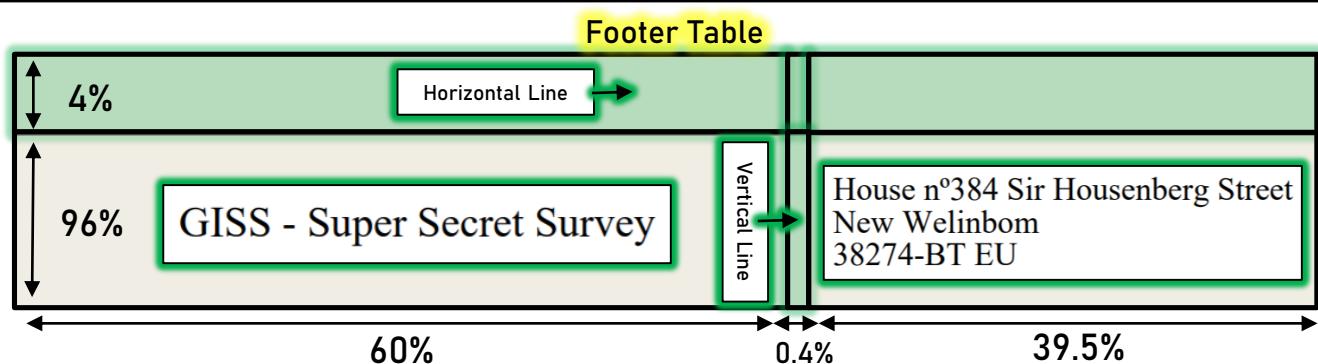
	ACTION	LINE
Create Body Table		22
1 Title with anchor example 1 (the destination is in page 2)		32
2 Text 1 with anchor example 2, underline, bold and italic		53
Spacer – add vertical space between paragraphs		75
3 Title 2		80
4 Text 2 – bold, change font color and italic		101
5 Text 3 – anchor example 2 destination, br/, font size, bold, superscript, strike, subscript, underline and hyperlink.		136
6 Text 4 – date format		187
7 Signature 1 – underscore		214
8 Signature 1 – GISS boss name		229
9 Signature 1 – GISS boss title		244
Signature 2 – underscore		266
Signature 2 – GISS subdirector name		283
Signature 2 – GISS subdirector title		297
Table with signature 2 paragraphs		311
Add paragraph list to body table		334

Secret Services Survey – Code Guide

Page 1 - Footer Table (footer.py)

GISS - Super Secret Survey

House n°384 Sir Housenberg Street
New Welinbom
38274-BT EU



Where is the code?

footer.py

ACTION	LINE
Create Footer Table	16
Left footer text	31
Right footer text line 1	47
Right footer text line 2	59
Right footer text line 3	71
Add paragraphs to table	84
Horizontal line	97
Vertical line	99

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Now lets see the 2nd page!

Joker Cat Survey

Name: _____ Age: _____ Gender:

Which of the following best describes your feelings about JC?

- I don't care
- I'm a little concerned
- I have to be alert
- I don't sleep at night
- I'm completely terrified



What actions do you think are most effective in the fight against JC?

<input type="checkbox"/> Spray him with water	<input type="checkbox"/> Give him his favorite food
<input type="checkbox"/> Yell at him	<input type="checkbox"/> Give him a new toy

In this page we have to draw the forms directly on canvas!

Note: To make a new page (page break) from canvas we have to call the method `showPage()` of `canvas`! See `report.py` at line 184.

NOTE2: Since `reportlab` don't have buttons implemented we are using a textbox with that purpose!

Page 2 - Create forms – survey.py

Where is the code?

NOTE: Since reportlab doesn't have implemented a way to add JavaScript to forms we have to use pdfrw for that purpose!

To install pdfrw – pip install pdfrw

So, survey.py have the code to build the elements and AddActionToForm.py have the code that adds the JavaScript code.

survey.py	
ACTION	LINE
Generate Forms	21
anchor example 1 destination	30
Title	41
Get acroForm (Acrobat form) object	50
Insert image on canvas	60
Text field for submit	79
Create Drop Down List	121
Create Radio Button	201
Create Check Box	225

NOTE2: Radio buttons to be grouped have to have the same value for the attribute “name”! survey.py Line 209

Secret Services Survey – Code Guide

Page 2 - Add JS to forms - AddActionToForm.py

Where is the code?

AddActionToForm.py	
ACTION	LINE
JavaScript code	15
Add JavaScript to event of text box (our “button”)	56

NOTE:

1) The code for forms was inspired by this blog post:

[Mouse vs Python - Creating Interactive PDF Forms in ReportLab with Python.](#)

2) The code to add actions to forms was inspired by:

[Dynamically changing PDF Acroforms with Python and Javascript.](#)

NOTE2:

See the official documentation for more:

[JavaScript for Acrobat API Reference;](#)

[Document management - Portable document format - part 1: PDF 1.7;](#)

[Developing Acrobat Applications Using JavaScript.](#)



If you like my work please help me growing the channel by giving likes, share the videos, comment, subscribe and activate the bell next to subscribe button to get notified when a new video comes out! :)

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[HTML to PDF with Python](#)

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would help me buy better
equipment to make better
videos :)