

=====

**Challenge Title:** The Stone Keeper

**Level :** Medium

**Description :** Welcome to Homicide. Your initial task is to sift through the infamous "No-Leads" shelf. You pull a file—Case 77-09—an old, high-profile murder that baffled everyone. The case is practically empty; no witnesses, no motive, just one item: a concise Forensic Report (**maybe more than just one file?**) of the victim.

**Your mission:** Find the name of the killer and where the evidence was disposed of. (Flag format = **DJSISACA{KillerName\_PlaceName}**)

=====

### 1. Phase 1 : Steganography

- We get the Forensic\_Report.pdf file, using binwalk, we find png chunks at the end.

DECIMAL	HEXADECIMAL	DESCRIPTION
0	0x0	PDF document, version: "1.7"
487	0x1E7	Zlib compressed data, default compression
119114	0x1D14A	JPEG image data, JFIF standard 1.01
303990	0x4A376	Zlib compressed data, default compression
304683	0x4A62B	JPEG image data, JFIF standard 1.01
1259456	0x1337C0	PNG image, 1280 x 853, 8-bit/color RGBA, non-interlaced
1259547	0x133818	Zlib compressed data, compressed
2348373	0x23D555	MySQL ISAM index file Version 10
2801757	0x2AC05D	JPEG image data, JFIF standard 1.01
2828282	0x2B27FA	JPEG image data, JFIF standard 1.01

- Extracting the png and JPGs using dd command,

A. For JPGs:

# JPEG at 119114

```
dd if=Forensic_Report.pdf of=image1.jpg skip=119114 bs=1
```

# JPEG at 304683

```
dd if=Forensic_Report.pdf of=image2.jpg skip=304683 bs=1
```

# JPEG at 2801757

```
dd if=Forensic_Report.pdf of=image3.jpg skip=2801757 bs=1
```

# JPEG at 2828282

```
dd if=Forensic_Report.pdf of=image4.jpg skip=2828282 bs=1
```

B. For PNG:

## 2. Phase 2 : Analysing the PDFs

- Forensic Report : *Critical hint is the name (**Elena Harry Davis**)*. Nothing else is relevant in the PDF, all other information is pretty much generalised.

### Forensic Summary Report — Case DJS-2025-1008

**Victim:** Elena Harry Davis, Female

**Appearance:** [WITHHELD]

**Height / Weight:** 5'4" / 53 kg

**Location:** [WITHHELD]

**Officer:** R. Mendez

#### General Observations

Subject located in an outdoor environment. Standard procedures followed upon arrival. Minimal external interference noted prior to examination.

#### Physical Examination

Initial assessment performed according to protocol. Surface observations documented. Further details are classified in the attached restricted record.

#### Analysis Summary

Routine tests and photographic documentation completed. Results secured and logged for internal reference. Additional context unavailable in this version of the report

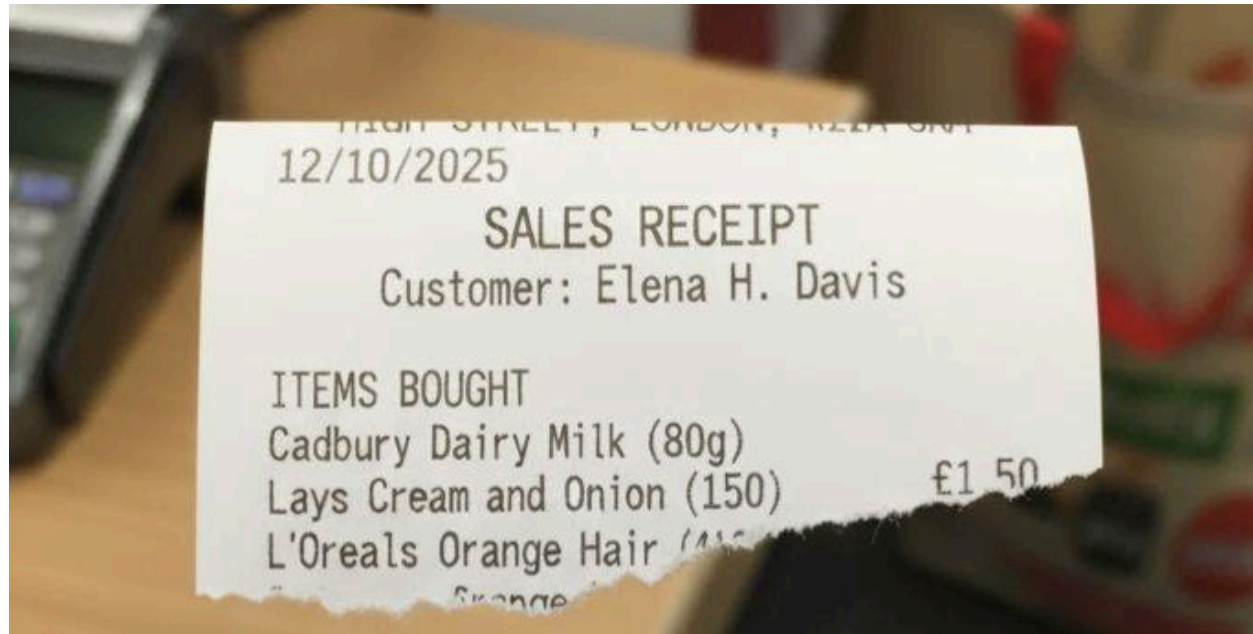
#### Reference Files

ID	File	Description
EVID 001	scarf_macro.jpg	Blood soaked scarf
EVID 002	Footprint marks	2 different footprints identified

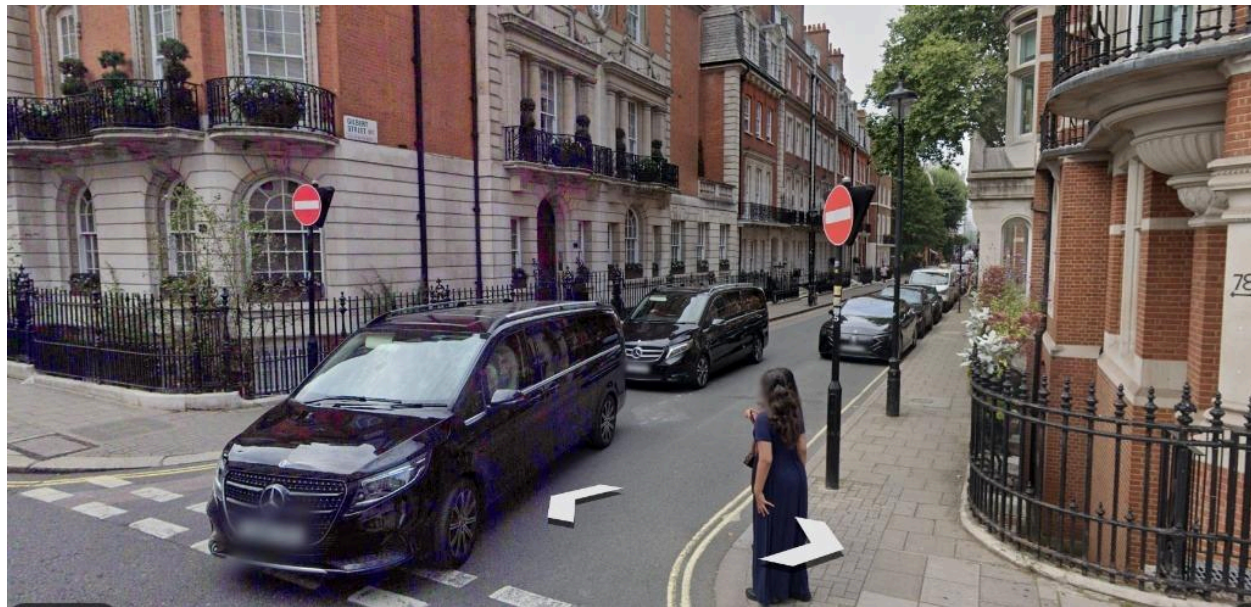
#### Remarks

All relevant data secured. This summary is intended for internal archival purposes only. Full documentation restricted to authorized review personnel.

- 
- Torn Bill : *Critical hint is the location (**London**) and appearance (**Orange Hair dye was bought**)*. This hint will give a rough idea of where the challenge is based and how our victim looked.



- Location image : Indicating the last location of the victim. Players will have to find out the area (**Mayfair, UK**) which can be deduced by the “*Gilbert Street*” sign visible in the image, as well as the fact that the challenge is set up in London.



- Another image of a bloody scarf is placed, but that is irrelevant as well
- So this leaves us with the following hints : Victim's name is Elena Davis, her last location was Mayfair, she has orange hair.

### 3. Phase 3 : Tumblr

- The digital footprint Osint is primarily based on tumblr.
- Our victim's username is @elenadavismayfair, having the profile picture of a redhead woman, so that players know they are on the right track.

- Looking through her account, there are a lot of eerie and cryptic posts. She has 4 friends : **Angela Parker, Toby Scott and Brittney Silver**, who regularly interact with her account.
- *Critical hint : She is a vintage jewellery collector and has even linked her pinterest displaying her collection in one of the post comments.*
- *Toby Scott : On analysing his account, he has posted an image of the cafe he works at. The cafe is located in Mayfair, UK, marking him as our first suspect.*

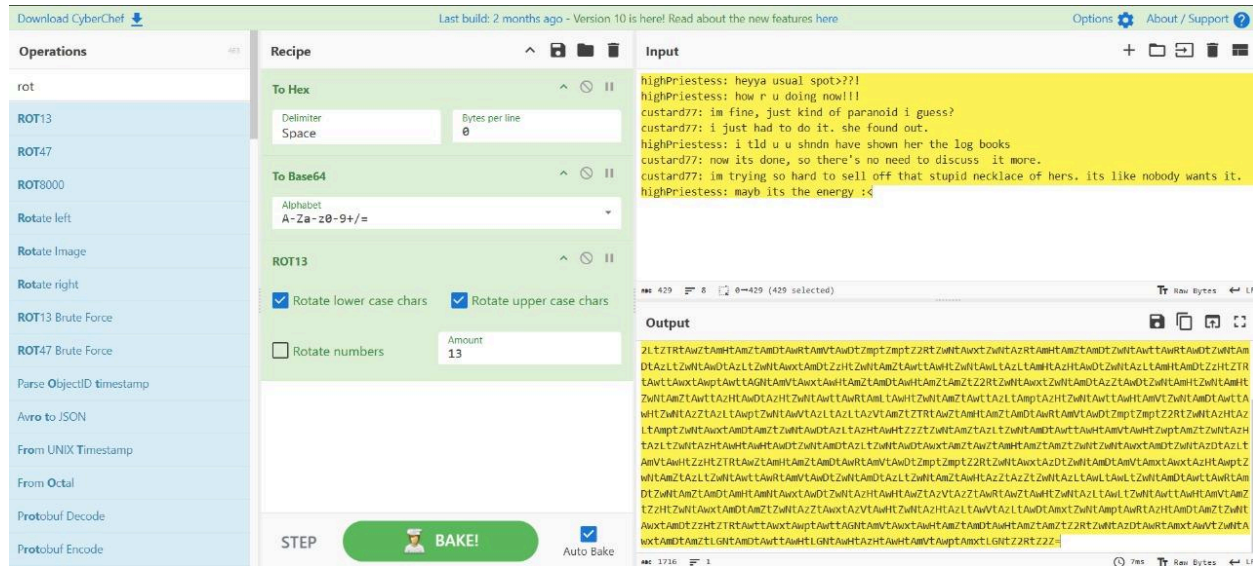


- Another hint his account provides is an interaction between Angela and Elena under one of this posts where the victim and Angela have an inside joke about the dessert '**Crème Brûlée**'.
- *Angela Parker* : Her account gives off the vibe of a typical rich girl, she posted an image of the view from her house, which is also located in Mayfair, making her our second suspect.





- Brittney Silver : She's a tarot enthusiast, bad with technology, posting random links, bad with spellings.  
*Critical hint : She accidentally posts a link, leading to an encoded conversation between highPriestess and custard77 as a comment.*
- A Creme Brulee is also called custard. **Angela was related to this word as seen on Elena's tumblr account.** So this conversation is clearly between Brittney and Angela.



#### 4. Phase 4 : Analysing the conversation

- The conversation between them is essentially a confession that Angela did something bad to Elena.
- She speaks about a particular necklace; which leads back to the victim's pinterest account, particularly the model of the necklace : **Amulet of Seraphina**.

#### 5. Phase 5 : The final Phase

- Searching the name of the necklace, a post on reddit reveals that it is disposed of in the river **Thames**.
- *We now have both the flags : The name of the killer and where the evidence was buried.*

*FINAL FLAG : DJSISACA{AngelaParker\_Thames}*

**Disabled commenting and user inputs everywhere.**

**Hints:**

1. **Tumblr**
2. **Steg**