

# Supercharging Charity Livestreaming (using Python)

PyMalta Meetup

24/08/17

# Show of hands!

Raise your hand if you have heard, read or been told any of the following statements

# Games are:

- Waste of time
- Waste of money
- Only for children
- Unhealthy
- Addictive
- The cause of child obesity
- Promote violence, drugs, sex, <insert controversial topic here>
- Are the cause of violent tendencies

# Gamers are:

- Lazy
- Self obsessed
- Entitled
- Unproductive
- Not contributing members of society

# Gaming for Good

What? Who? Why? How much? Who/What for? How can I do it?

# What is Gaming for Good

The use of games (video, digital, board, card, etc) for the raising of funds for charitable or philanthropic purposes

# Who is Gaming for Good

Anyone and everyone who has run, has donated or has participated in a charity livestream of some sort

A movement of like-minded gaming individuals who are forming the next generation of charitable fundraiser as we speak

# How is Gaming for Good happening?

Barrier to entry in terms of costs has gone down

Technology is widely available to anyone

Everyone enjoys games 😊



# Cost comparison

- TV Studio
  - Dedicated studio
  - Professional cameras, lighting, sound equipment
  - Technical staff for operation and maintenance
  - Writers, producers, etc
  - Licencing costs?
- Live-streamer
  - Some bloke
  - Half decent PC / Console
  - Internet connection
  - MAYBE a webcam

# STORY TIME

- How I got involved...

# Charitybot

- A stream in aid of the Marie Curie foundation by a streamer called Dave Seizen
- Quickly evolved to enable more than one stream
- Gameblast 2015/16 + various smaller streams
- I took it further to enable any arbitrary number of streams
- Gameblast 2017 / Frontier Developments Christmas 2016

# Charitybot

- Started as a quick project to automate donation announcements by:
  - Display current donation amount on screen, without requiring any input from the streamer

# Charitybot1

- Gameblast 2015
- CMDR Hughmann + TIIQ

 12 HOUR CHARITY STREAM - !Gameblast @Gameblast16 @SpecialEffect @Twitch  
CMDRHughMann playing American Truck Simulator on Team4fun

TEAM TIIQ CMDRHUGHMANN CMDR HUGH MANN STREAM TEAM TIIQ TEAM FUN

SUB GOAL: 0/3

!GAMEBLAST

DONATE GAMEBLAST

£347.24

TIME LEFT 08:13:20

FOLLOW GOAL: 3,420/4000 LATEST SUB: AMAEL1983 ISH LATEST DONATOR: AYER: £20.00 LATEST FOLLOW: KAPPATO

cmdrhughmann

thankfully not by a semi

ishamael1983: Does ATS have the same thing as ETS2 where "gamepad" mode for steering is actually the worst thing for gamepads?

Cmdr\_JohnnyS: Shame you can't do a replay from the car drivers point of view!

jsutton: Car driver: "butt clenches intensifies"

SomeFrenchDude: Does anybody know how long it takes to get across the US in this game?

MrSwedishAstronaut: u cant

MrSwedishAstronaut: yet

SomeFrenchDude: Ah, sorry I Got it.

MrSwedishAstronaut: I think it will be pretty big when the whole game is in the so lets hope 🙄

Danbot9000: Ask me anything here!  
<https://ask.fm/CMDRHughMann>

SomeFrenchDude: Yeah, fingers crossed, I'm sure a lot of people enjoy these games for the super long hauls

Symonjon: I love this song

Moobot: If you wanna check out a great stream team then go to <http://www.twitch.tv/team/team4fun> and have a nose around

tiqhuntergames: £347.24 has been raised by team tiq for Gameblast so far! You too can donate at <https://gameblast16.everydayhero.com/uk/tiq>

ishamael1983: TIIQ has so far raised £347.24!

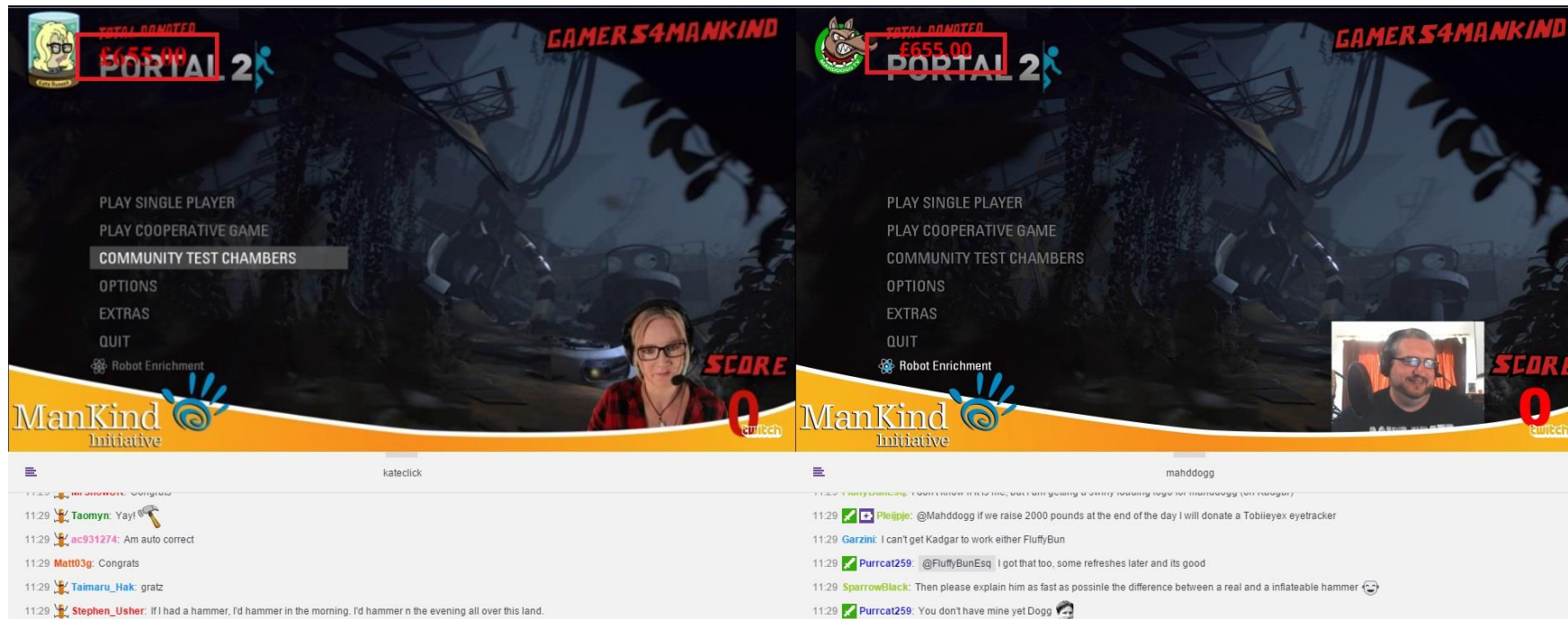
CMDR\_Lens\_Larque: You could call it Google Streetview

MrSwedishAstronaut: lol

trishwolf2k3: 🍷🍷🍷

# Charitybot1

- Gamers 4 Mankind
- Kate Russell + Mahddogg



# Charitybot1

- Misfits Enterprises
- Gameblast 2016

NSFW The Solo Trip Home for Gameblast16 w/ Giveaways!  
Misfits\_Enterprises playing Elite: Dangerous on TIIQ

GAMEBLAST 16  
GAMERS CHANGING LIVES

www.tinyurl.com/SagARace

IN AID OF SpecialEffect

8:47 [Purrcat259] w00f

8:47 [ChlanasGeek] w00f

8:47 [ChlanasGeek] Bubble is RIB

8:47 [MahdDogg] Where is the TWAT™?

8:47 [Purrcat259] he lost the twat at sag A

8:47 [Taimaru\_Hak] w00f MahdDogg

8:48 [MahdDogg] o7 sir

8:48 [Taimaru\_Hak] The twat had 7 accidents

8:48 [MahdDogg] you have more integrity than the TWAT™

8:48 [MahdDogg] I've seen twitter this morning

8:51 [Purrcat259] NEW DONATION OF £10.65!

£797.12 out of £1000 raised! 79.71% of the goal has been reached. Visit <https://gameblast16.everydayhero.com/uk/SagARace> to donate!

8:51 [MahdDogg] You may have ten more of my british pounds

8:52 [Purrcat259] thorn

8:52 [MahdDogg] boom

8:52 [Purrcat259] where's a list of these sounds?

8:53 [Purrcat259] Irish

8:53 [Purrcat259] Irish

8:54 [MahdDogg] Yeah but I'm off out in a minute

8:54 [MahdDogg] I was in the top 4

8:54 [Purrcat259] purrb0t9000 is online at 28/02/2016 08:54:36, watching for donations.

8:54 [MahdDogg] Myself and Vigor eliminated a bunch of targets

£797 / £1000 80%

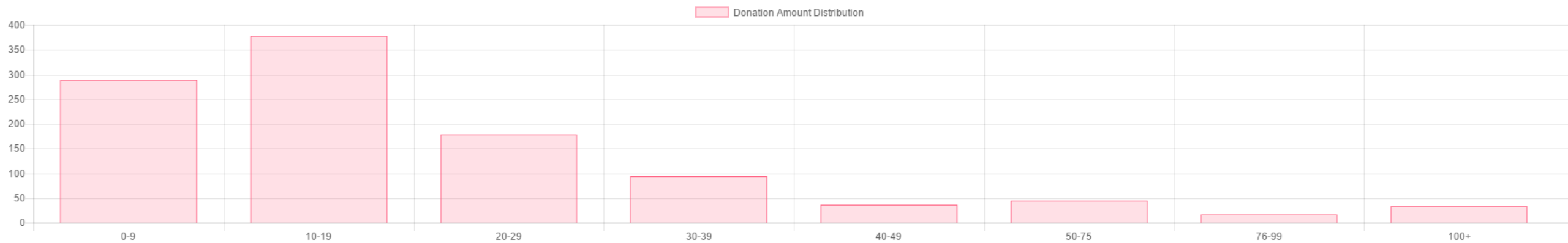
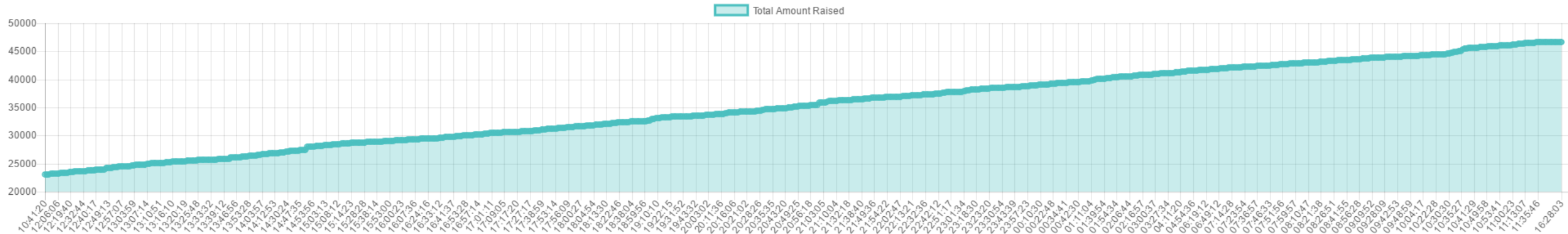
# Charitybot Event

## fdevchristmas16

Amount Raised: £46,670  
1071 donations so far

1 donations in the last hour  
Average donation: £22.07

Last donation: £18  
Largest donation: £554



Switch to test mode



# Charitybot Event Statistics Console

## Event: test

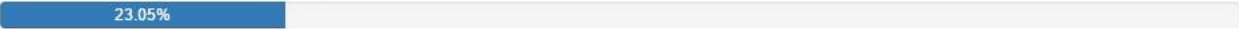
Start Time: 01/01/1970 01:00:00End Time: 20/11/2286 18:46:39

Duration: 2,777,777.78 hoursTime Remaining: 8,516,025,239 hours



## Donations

Amount Raised: £230.5Target Amount: £1,000



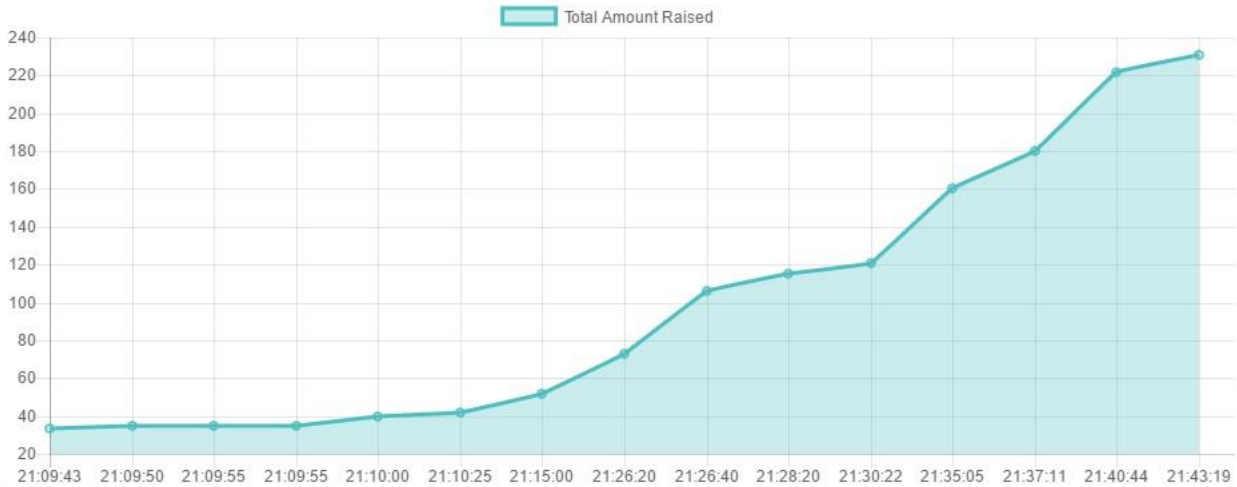
15 donations in total

0 donations in the last hour

Average Donation: £13.92

Largest Donation: £42 at: 23/10/2016 23:40:44

Last Donation: £8.5 at: 23/10/2016 23:43:19



Switch to test mode



No fire zone entered.

IGAMER17

◎ SLOUGH ORBITAL

PURRCAT

◎ SLOUGH ORBITAL

BEVERLY HUNTER

◎ SLOUGH ORBITAL

INFO

- 1 new contact

- contact lost

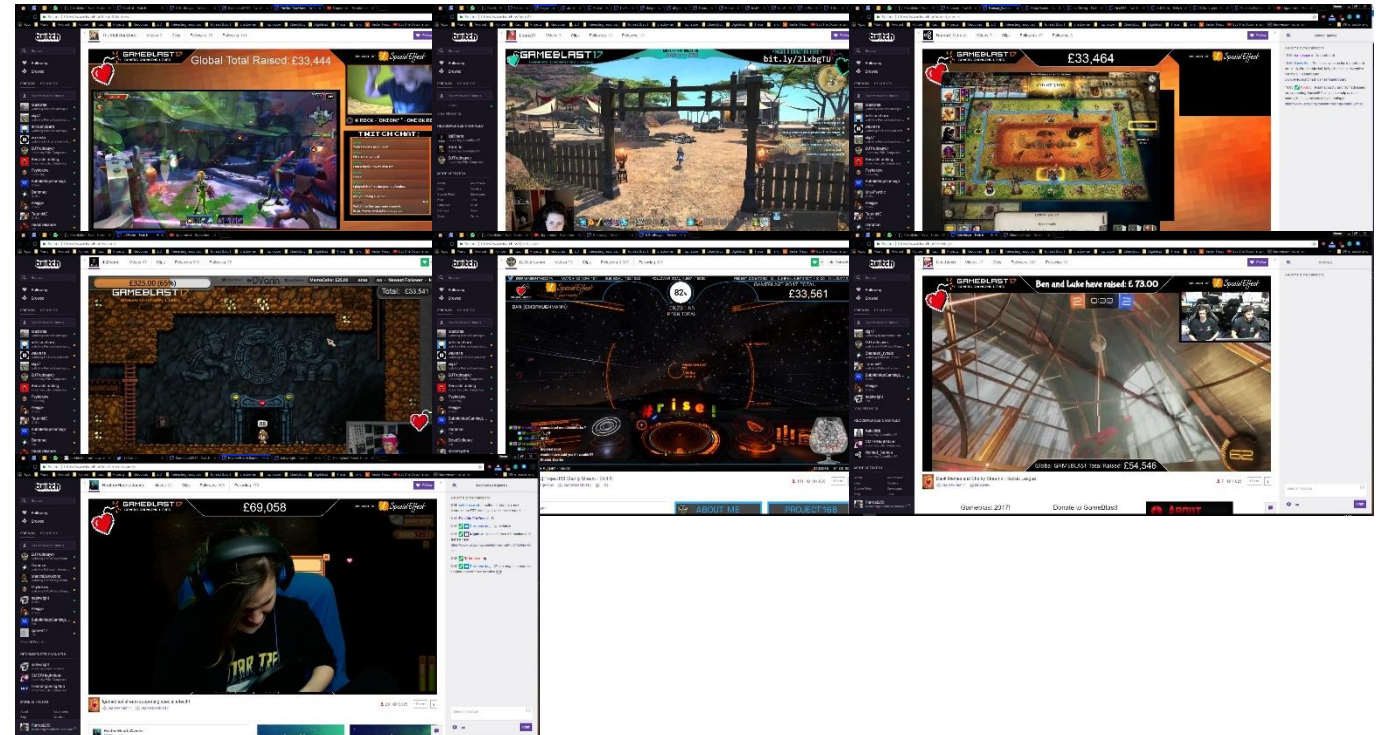
- new contact

8.55km  
CMDR IGAMER17  
8.82km  
CMDR PURRCAT

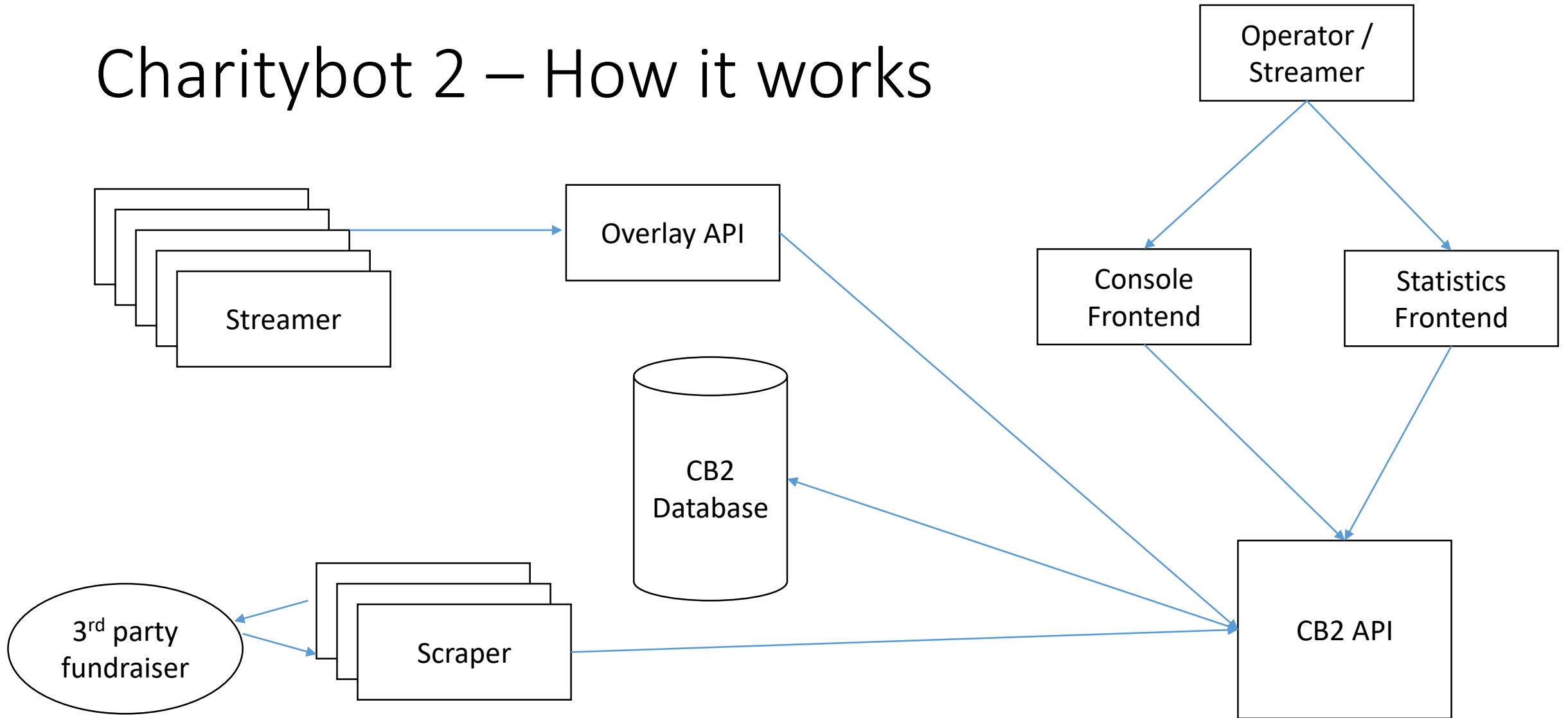
SLOUGH ORBITAL  
NARCHY  
ESPER-M4 SYSTEM  
NARCHY  
DOUBT

# Charitybot 2

- Only total raised due to logistical constraints
- This confused some people
- Logs show that around 100 streamers used CB2 during Gameblast 2017



# Charitybot 2 – How it works



# Charitybot 2 – what is it made of

- Python 3 backend
- Javascript frontend – all clientside, currently hodgepodge of JQuery and Vanilla JS
- SQLite for persistence

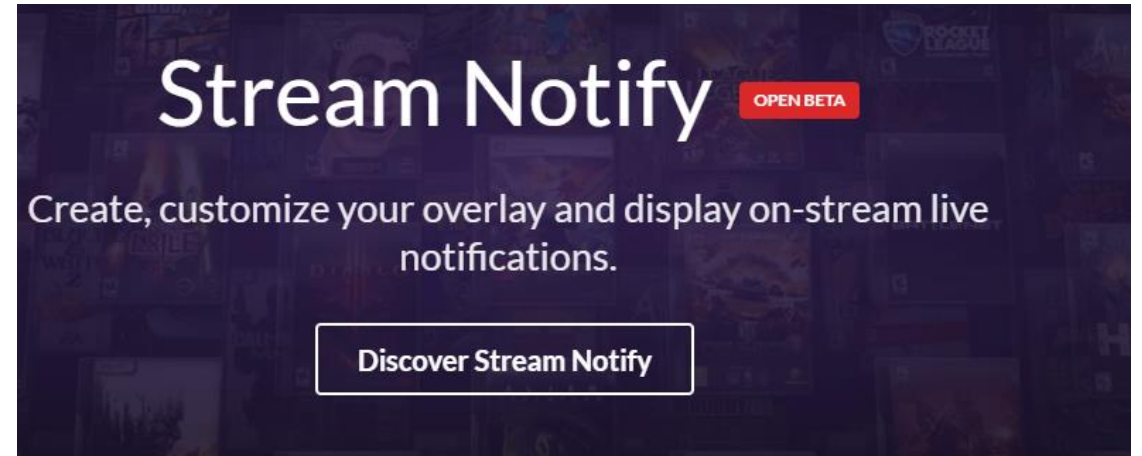


# Charitybot 2 – why?

- Because I'm a student, I'm poor
- Because I'm restoring a 400 year old house, I'm poor
- Because I'm planning a wedding I'm poor
- But I have time and skills

# Alternatives

- Provides various overlays
- Not focused solely on charity
- Has Justgiving integration



# Charitybot 2 – what next?

- If you're running a charity stream, get in touch! 😊
- One Special Day, Gameblast 2018 😊
- Improvements and polishing of the backend
- Better 3<sup>rd</sup> party integration
- Offering the API to other third parties



Thank you for your time 😊

Questions? Feedback?