

# RECON 2021 REMOTE EVENT



MAR 2021



#ROBOCON2021



Robot  
Framework  
Foundation



MAR 2021



<https://robocon.io>

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# WHAT'S NEW IN REQUESTSLIBRARY 0.9

Luca Giovenzana — Head of Agile Delivery at CHILI



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# ONCE UPON A TIME



# REQUESTS SESSION HACKING

ROBICON  
2019

○ . . . . .





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# NEEDED TO FORK

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2019





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# FIRST PULL REQUEST

## Fix Travis CI to work with latest RobotFramework #225

Merged

asyrjasalo merged 3 commits into `MarketSquare:master` from `chilispa:fix-travis-rf3.1` on Sep 26, 2019

Conversation 0

Commits 3

Checks 0

Files changed 5



**lucagiove** commented on Mar 4, 2019

Member



- replaced deprecated pybot with robot
- deprecated discovery of \*.txt, renamed to \*.robot
- fixed broken test



**lucagiove** added 3 commits on Mar 4, 2019



Fixed travis CI



c7a0c45



Fixed test warnings



e657304



Fixed broken test with RobotFramework 3.1



d0ea3e7







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# MULTIPLE PULL REQUESTS

## Fixed and updated documentation and GitHub Pages

#240 by lucagiove was merged on Sep 25, 2019

## Retry status all commits ●

#237 by lucagiove was merged on Sep 26, 2019



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## Retry request in case of specific http statuses (eg 502) ●

#236 by lucagiove was merged on Sep 14, 2019

2

## Log refactor ✖

#235 by lucagiove was merged on Sep 26, 2019

## Fix header case ●

#228 by lucagiove was merged on Sep 26, 2019

## Remove duplicated code (conflict solved and PR review) ●

#227 by lucagiove was merged on Sep 26, 2019

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## Session exists ✖

#226 by lucagiove was merged on Sep 26, 2019

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## Fix Travis CI to work with latest RobotFramework ●

#225 by lucagiove was merged on Sep 26, 2019





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# FINALLY MERGED

## Fix Travis CI to work with latest RobotFramework #225

Merged

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Conversation 0

Commits 3

Checks 0

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e657304



Fixed broken test with RobotFramework 3.1



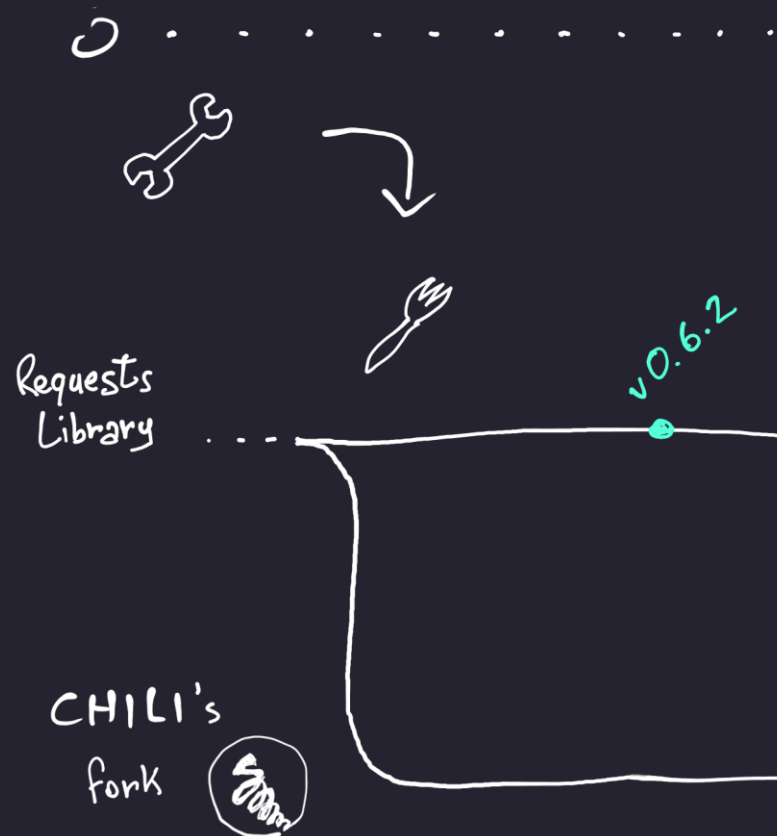
d0ea3e7





# RETRY

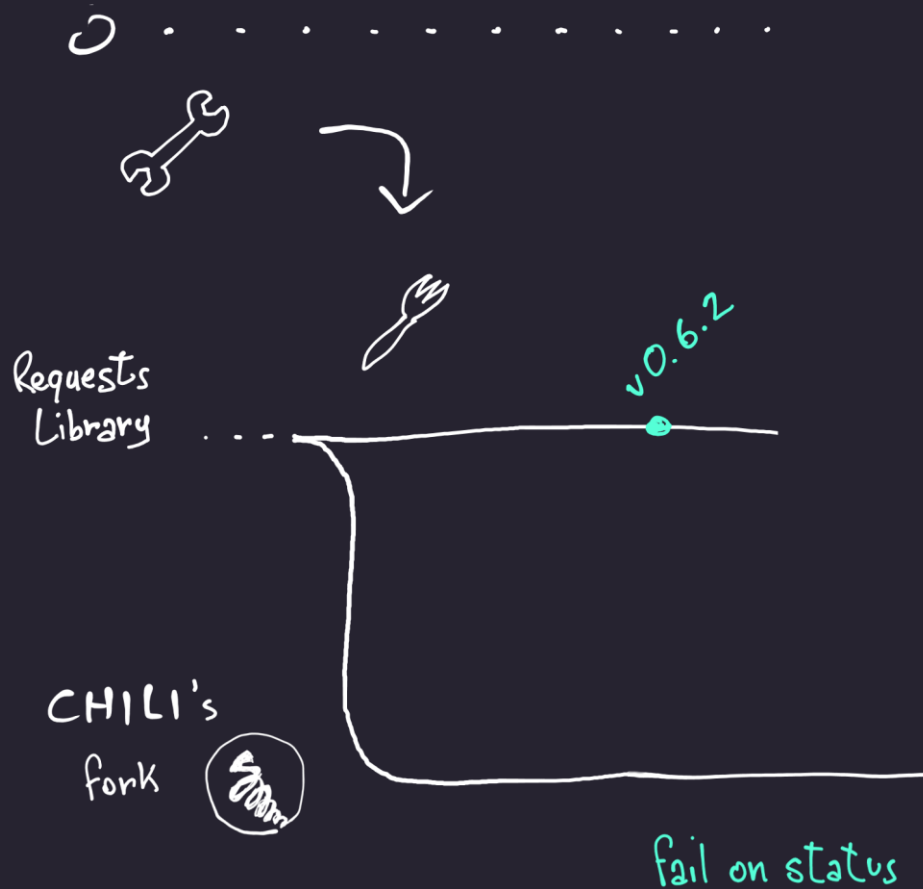
2039 CON  
2019





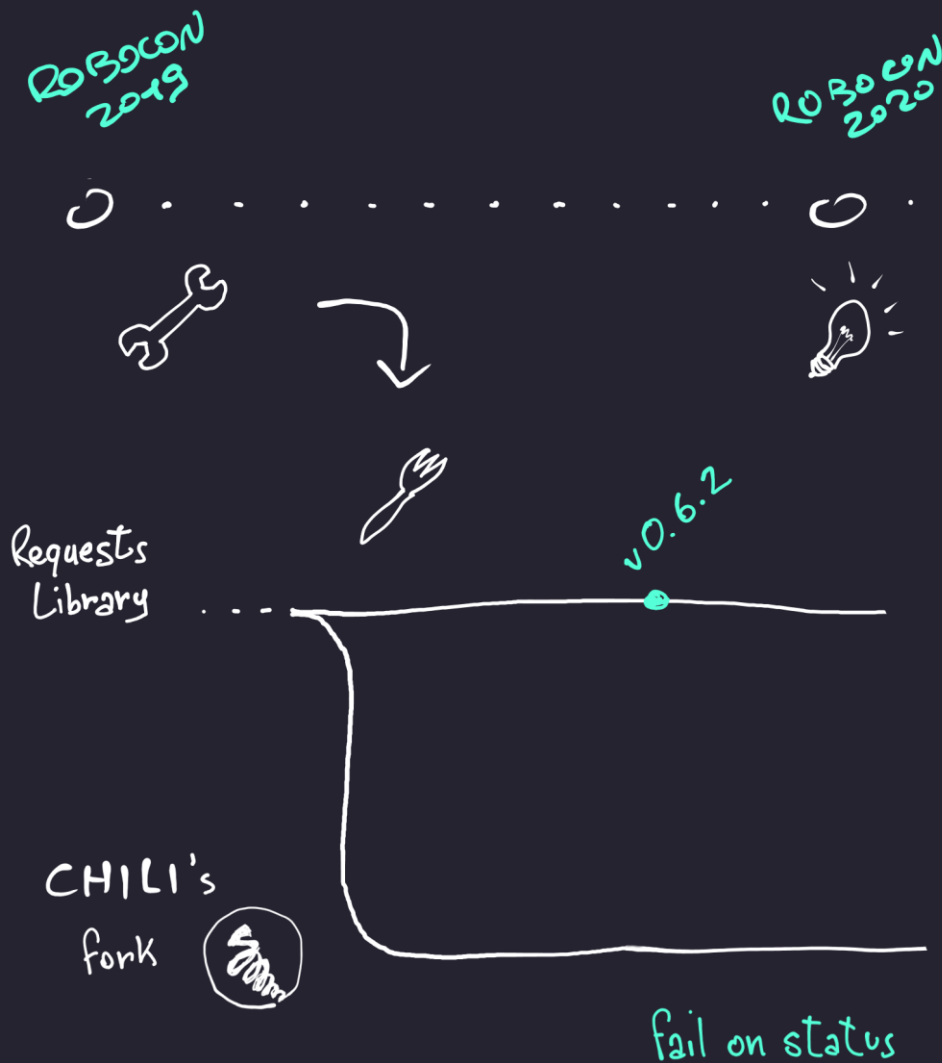
# FAIL ON ERROR

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2019





# ROBOCON 2020: TALKS AND IDEAS

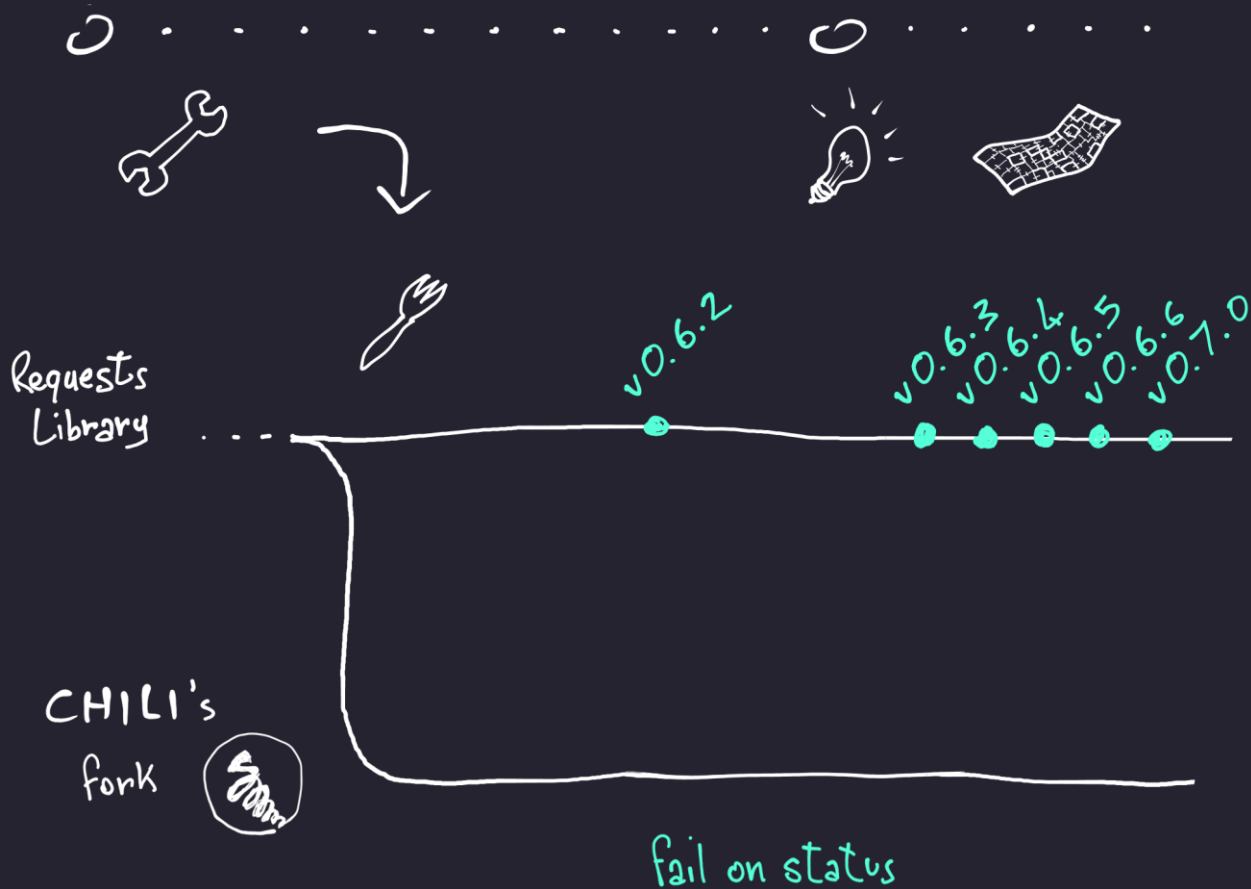




# CODE WAS A PATCHWORK

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2019

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2020

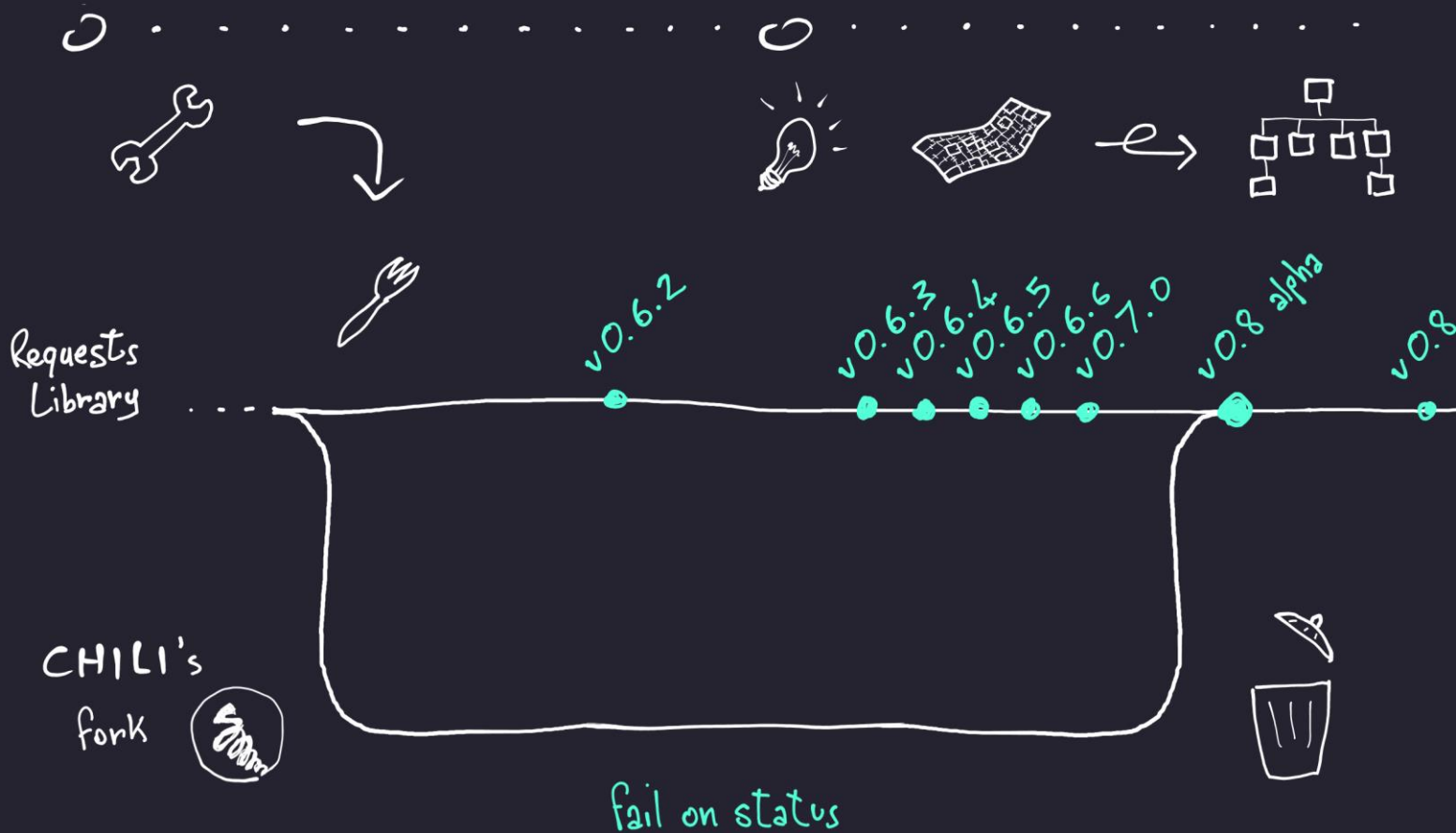




# RADICAL APPROACH: NEW KEYWORDS STRUCTURE

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2019

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2020





# IMPLICIT ASSERT

```
def raise_for_status(self): [docs]
    """Raises :class:`HTTPError`, if one occurred."""

    http_error_msg = ''
    if isinstance(self.reason, bytes):
        # We attempt to decode utf-8 first because some servers
        # choose to localize their reason strings. If the string
        # isn't utf-8, we fall back to iso-8859-1 for all other
        # encodings. (See PR #3538)
        try:
            reason = self.reason.decode('utf-8')
        except UnicodeDecodeError:
            reason = self.reason.decode('iso-8859-1')
    else:
        reason = self.reason

    if 400 <= self.status_code < 500:
        http_error_msg = u'%s Client Error: %s for url: %s' % (self.status_code, reason, self.url)

    elif 500 <= self.status_code < 600:
        http_error_msg = u'%s Server Error: %s for url: %s' % (self.status_code, reason, self.url)

    if http_error_msg:
        raise HTTPError(http_error_msg, response=self)
```





# BEST PRACTICES AND COMMON PITFALLS

- Embed requests in nested keywords

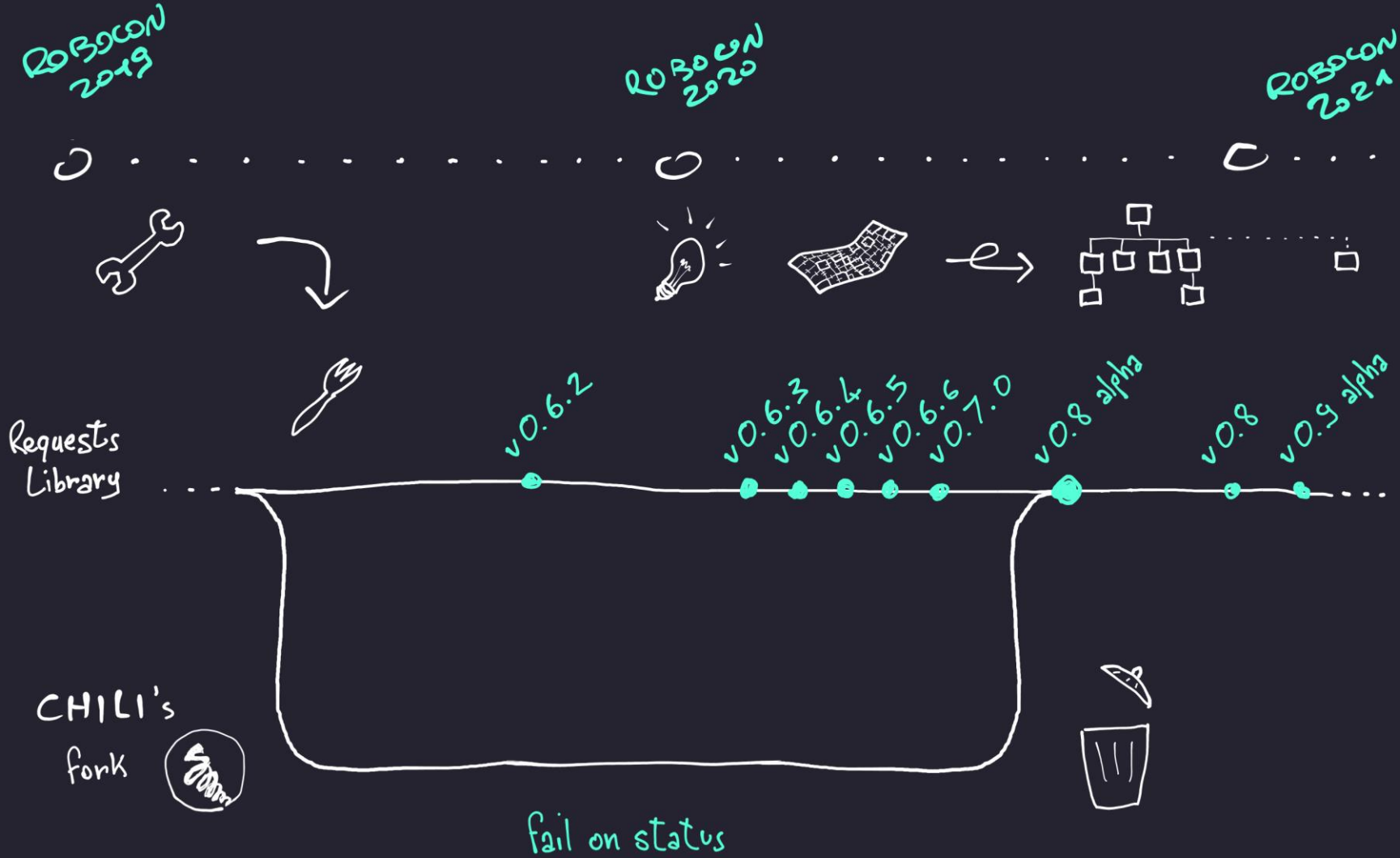
[see an example](#)

- Positional url with = symbol (ex. /endpoint?sort=asc) will fail because of RobotFramework handling with `kwargs**`

- Wrong named argument won't cause an error because everything is accepted by original requests library with `**kwargs`



# UPCOMING 0.9 VERSION - README



# That's ROBOCON 2021



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