



10 Tools and Techniques Python Web Developers Should Explore



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Take the code with you

The screenshot shows a GitHub repository page for 'mikekennedy/ten-tips-python-web-devs'. The repository has 1 commit, 1 branch, 0 releases, 1 contributor, and is licensed under MIT. It contains files like .gitignore, LICENSE, and README.md. The latest commit was made 32 seconds ago.

mikekennedy / ten-tips-python-web-devs

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

Repo for topics covered during the webcast <https://training.talkpython.fm/>

Manage topics

Branch: master ▾ New pull request

Create new file Upload files Find File Clone or download ▾

File	Commit	Time
.gitignore	Initial commit	32 seconds ago
LICENSE	Initial commit	32 seconds ago
README.md	Initial commit	32 seconds ago

README.md

github.com/mikekennedy/ten-tips-python-web-devs



10 features and tools to explore

#1: HTML 5 Form Features

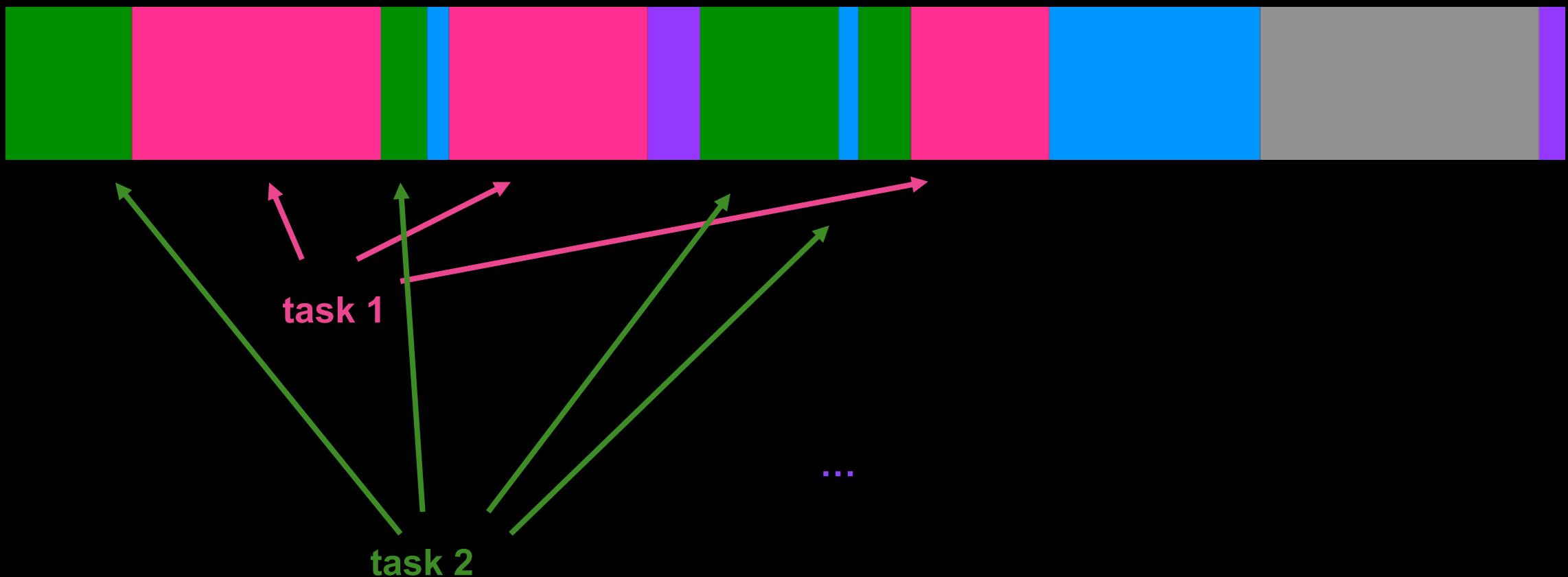




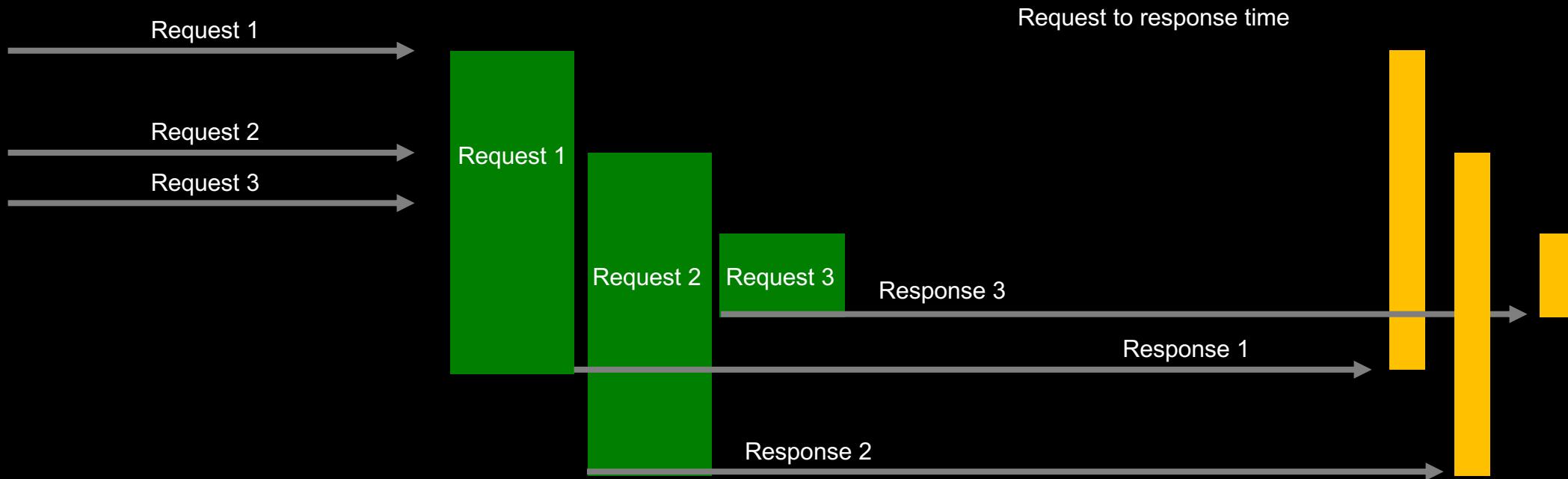
#2: ngrok

ngrok.com

#3: async / await



#4: Quart



#5: Database migrations

The screenshot shows a web browser window displaying the Bitbucket project page for 'alembic'. The URL in the address bar is <https://bitbucket.org/zzeek/alembic>. The page has a dark blue header with the Bitbucket logo and navigation links for 'Overview', 'Source', 'Commits', 'Branches', 'Pull requests', 'Pipelines', 'Issues', and 'Downloads'. On the right, there's a sidebar with a fox icon and sections for 'Recent activity' and 'Recent commits'. The main content area includes details about the project like 'Last updated 2018-05-18', 'Website <http://alembic.zzzcomputing.com/>', 'Language Python', and 'Access level Read'. It also describes Alembic as a database migrations tool and lists its goals and features.

Recent activity

- drop python 2.6 support and bump ve...
Issue #491 commented on in zzeek/alembic
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...
Pull request #79 updated in zzeek/alembic
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...
Pull request #79 updated in zzeek/alembic
hugovk · yesterday
- Drop support for EOL Python 2.6 and ...
Pull request #79 created in zzeek/alembic
hugovk · yesterday
- drop python 2.6 support and bump ve...
Issue #491 watched in zzeek/alembic
hugovk · yesterday
- autogenerate for sequences, as well a...
Issue #60 commented on in zzeek/alembic
Michael Bayer · 2018-06-01
- autogenerate for sequences, as well a...
Issue #60 commented on in zzeek/alembic
Anton Kazak · 2018-05-31
- Use IDENTITY INSERT for MS SQL Ser...
Issue #105 commented on in zzeek/alembic

Overview

Last updated 2018-05-18

Website <http://alembic.zzzcomputing.com/>

Language Python

Access level Read

2 Open PRs

14 Branches

Alembic is a database migrations tool written by the author of [SQLAlchemy](#). A migrations tool offers the following functionality:

- Can emit ALTER statements to a database in order to change the structure of tables and other constructs
- Provides a system whereby "migration scripts" may be constructed; each script indicates a particular series of steps that can "upgrade" a target database to a new version, and optionally a series of steps that can "downgrade" similarly, doing the same steps in reverse.
- Allows the scripts to execute in some sequential manner.

The goals of Alembic are:

- Very open ended and transparent configuration and operation. A new Alembic environment is generated from a set of templates which is selected among a set of options when setup first occurs. The templates then deposit a series of scripts that define fully how

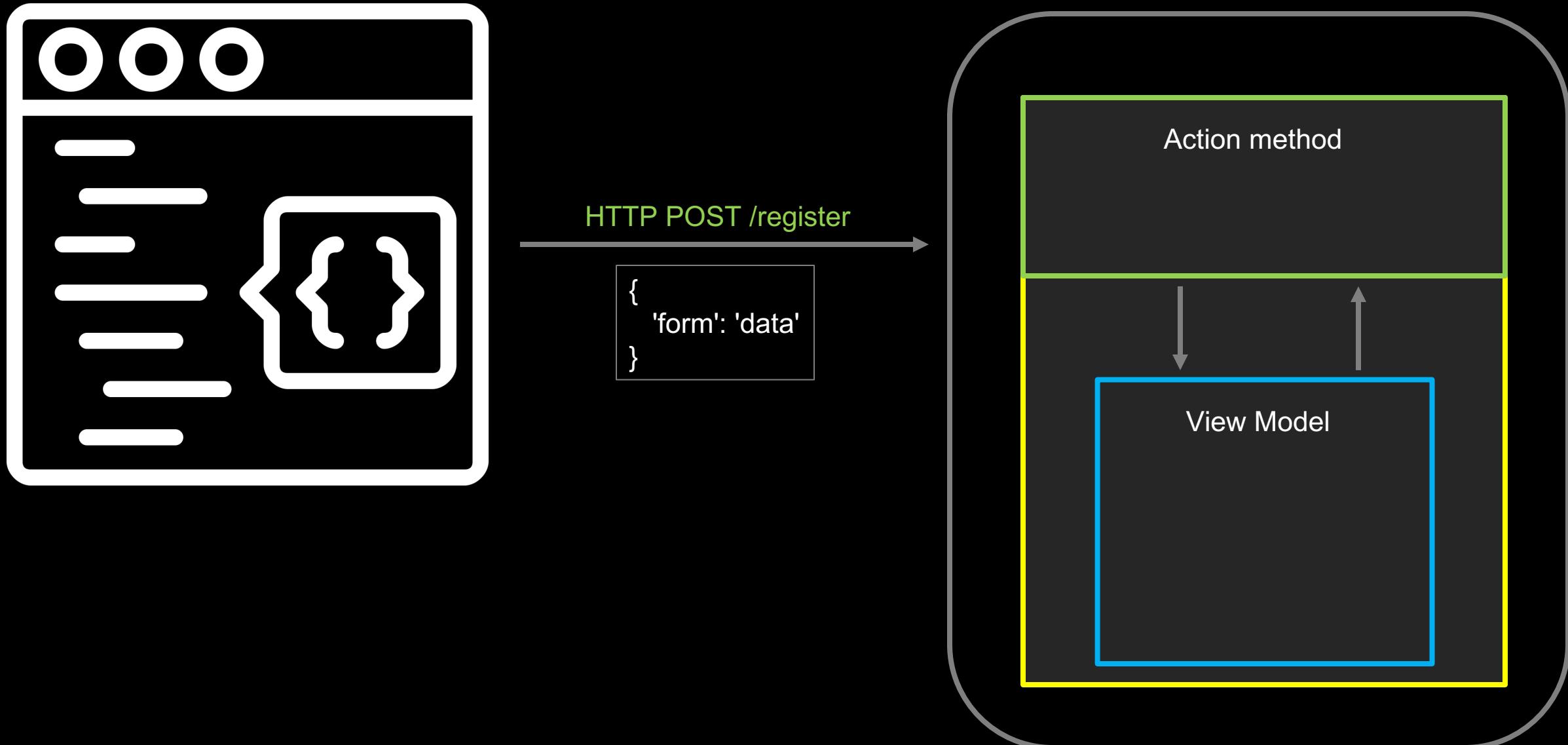
<https://bitbucket.org/zzeek/alembic>

#6: Vue.js



vuejs.org

#7: View model pattern



#8: Docker



docker.com

#9: Let's Encrypt



letsencrypt.org

#10: secure.py

secure.py

pypi v0.2.1

python 3

license MIT

code style black

secure.py  is a lightweight package that adds optional security headers and cookie attributes for Python web frameworks.

Supported Python web frameworks: ¶

[aiohttp](#), [Bottle](#), [CherryPy](#), [Django](#), [Falcon](#), [Flask](#), [hug](#), [Masonite](#), [Pyramid](#), [Quart](#), [Responder](#), [Sanic](#), [Starlette](#), [Tornado](#)

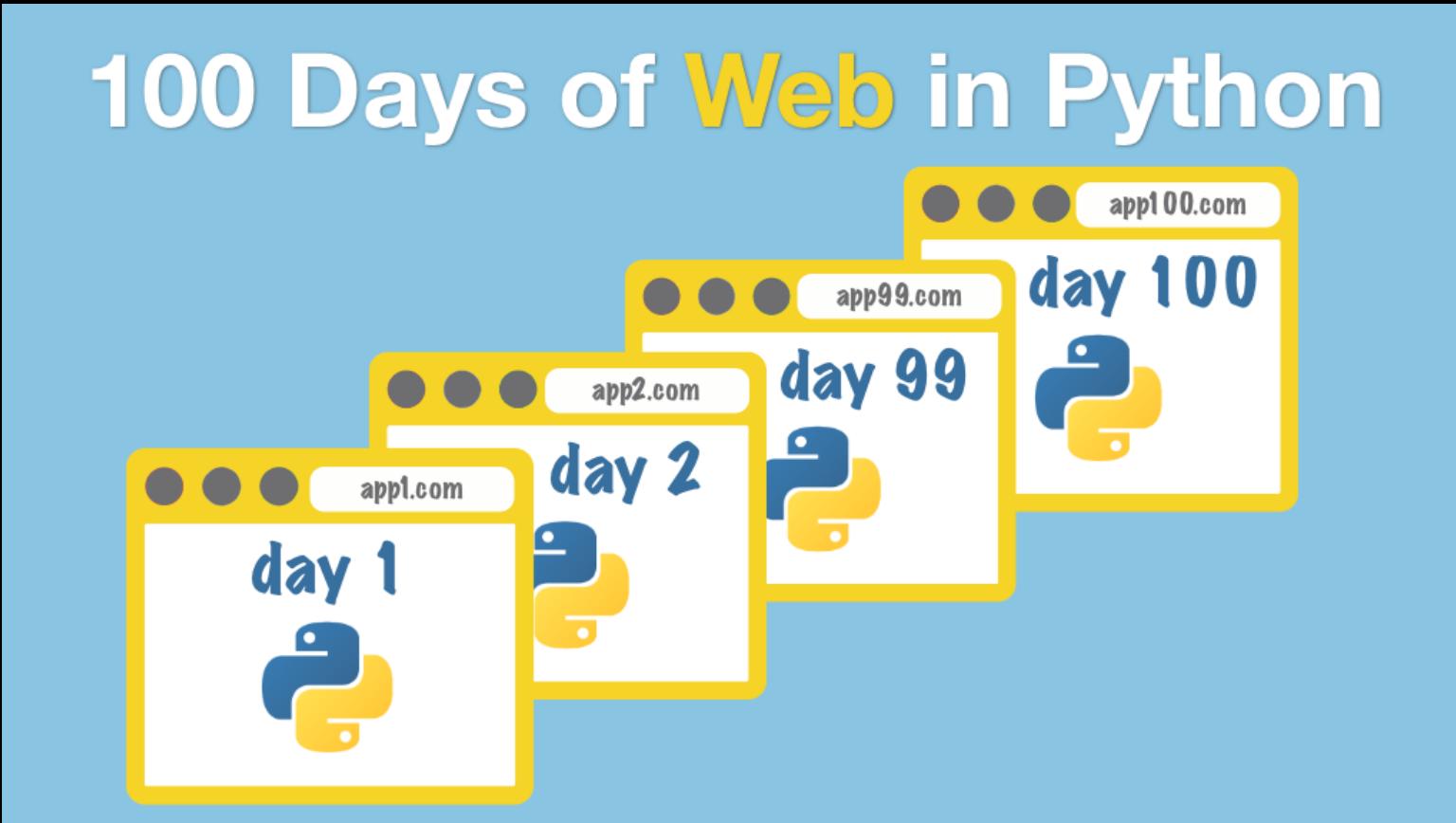
github.com/TypeError/secure.py

THANK YOU



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Want to go deep? Check out my online course



talkpython.fm/100web

Want to go deep? Check out my PyCharm book



effectivepycharm.com