Robots from Jupyter

the future of authoring Tests and Tasks in Robot Framework

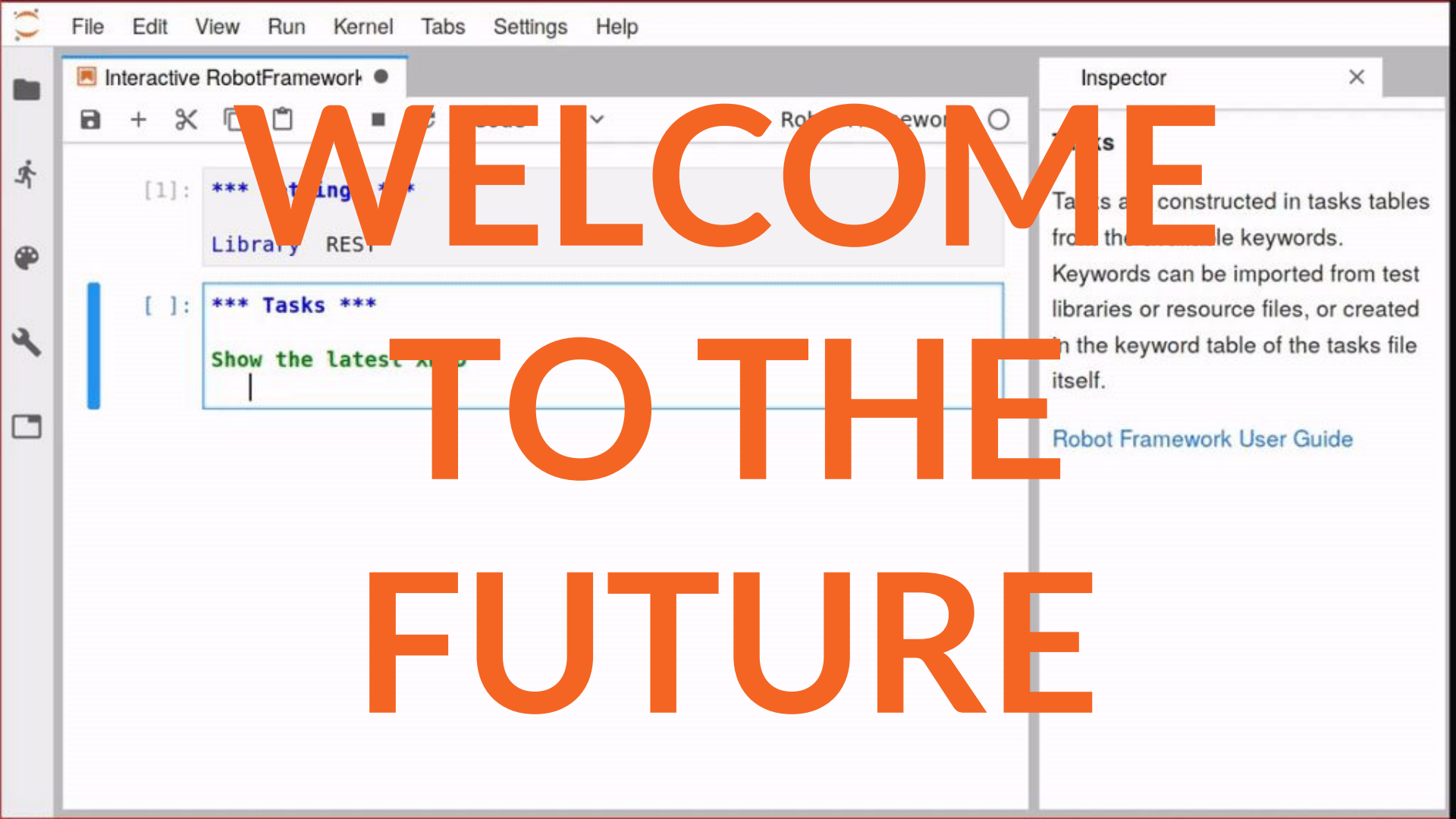
Introducing

KERNELS robots-from-jupyter/**robotkernel**

gtri/**irobotframework**

LIBRARY robots-from-jupyter/**robotframework-jupyterlibrary**

ENVIRONMENT robots-from-jupyter/**robotlab**

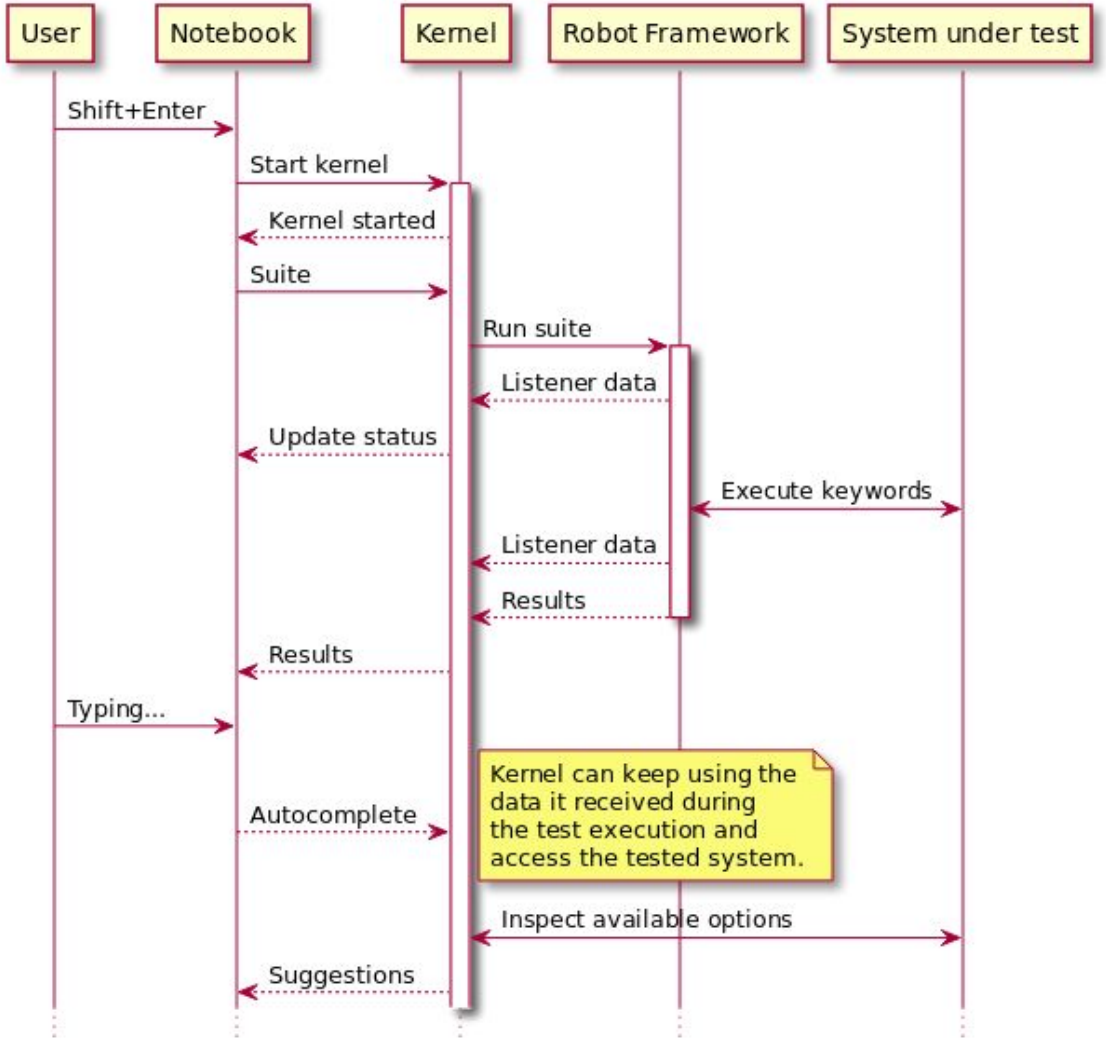

File Edit View Run Kernel Tabs Settings Help
Interactive RobotFramework
[1]:
Library REST
[ ]:
*** Tasks ***
Show the latest
Inspector
Tasks are constructed in tasks tables from the available keywords. Keywords can be imported from test libraries or resource files, or created in the keyword table of the tasks file itself.
Robot Framework User Guide
WELCOME
TO THE
FUTURE

WHAT IS JUPYTER?

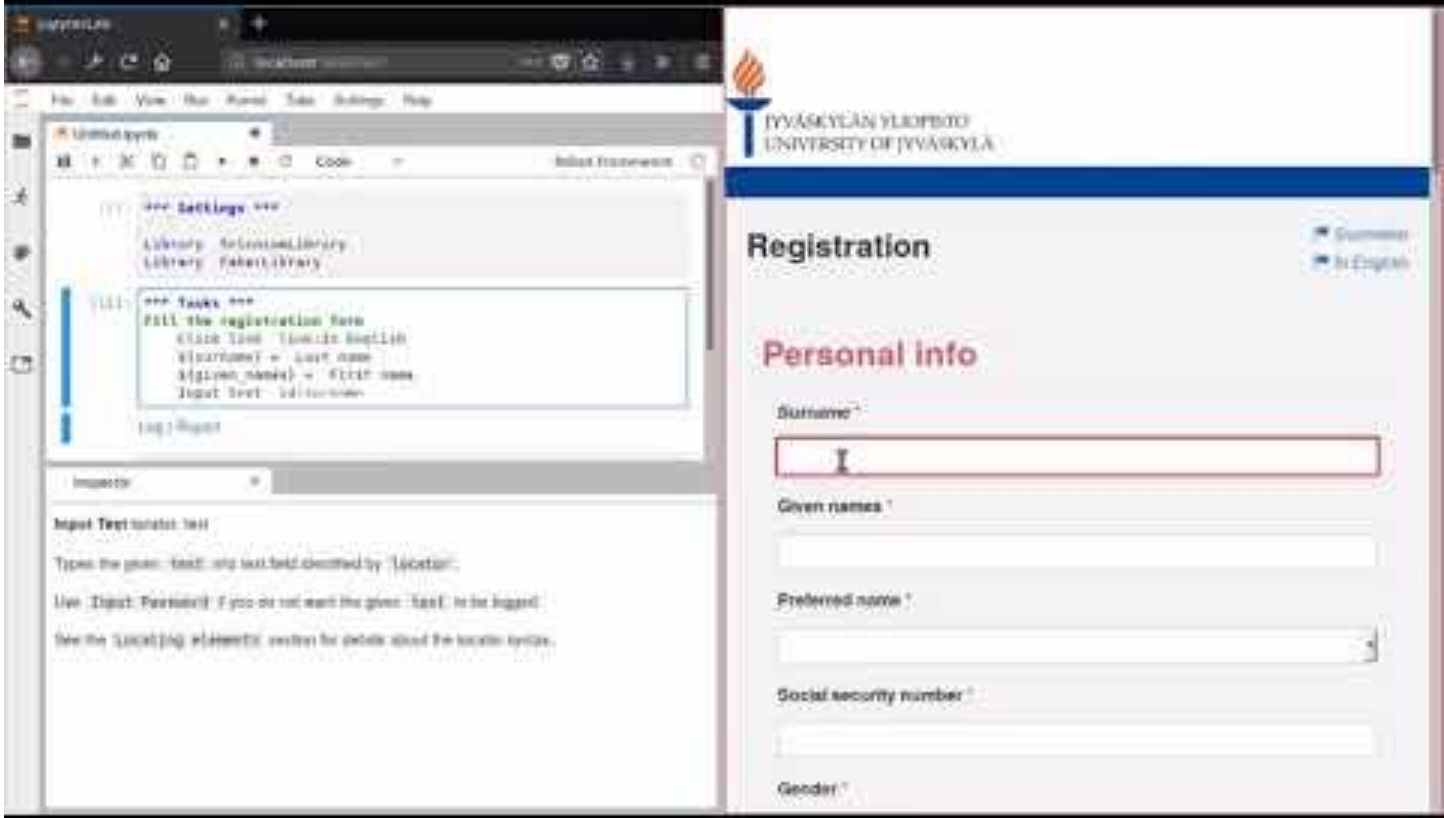
KERNELS PROTOCOLS CLIENTS

SERVICES PEOPLE .IPYNB

KERNELS


User
Notebook
Kernel
Robot Framework
System under test
Shift+Enter
Start kernel
Kernel started
Suite
Run suite
Listener data
Update status
Execute keywords
Listener data
Results
Results
Typing...
Kernel can keep using the data it received during the test execution and access the tested system.
Autocomplete
Inspect available options
Suggestions

Complete selectors directly from the system under test



.IPYNB

EDIT

EXECUTE

SHARE

CONVERT

PUBLISH

JUPYTER USERS

SCIENTISTS	ANALYSTS	ARTISTS
TEACHERS	?	STUDENTS

SCIENTISTS

ANALYSTS

ARTISTS

TEACHERS

POWER USERS

STUDENTS

WHAT DID WE DO BEFORE?

RIDE

RED

ATOM

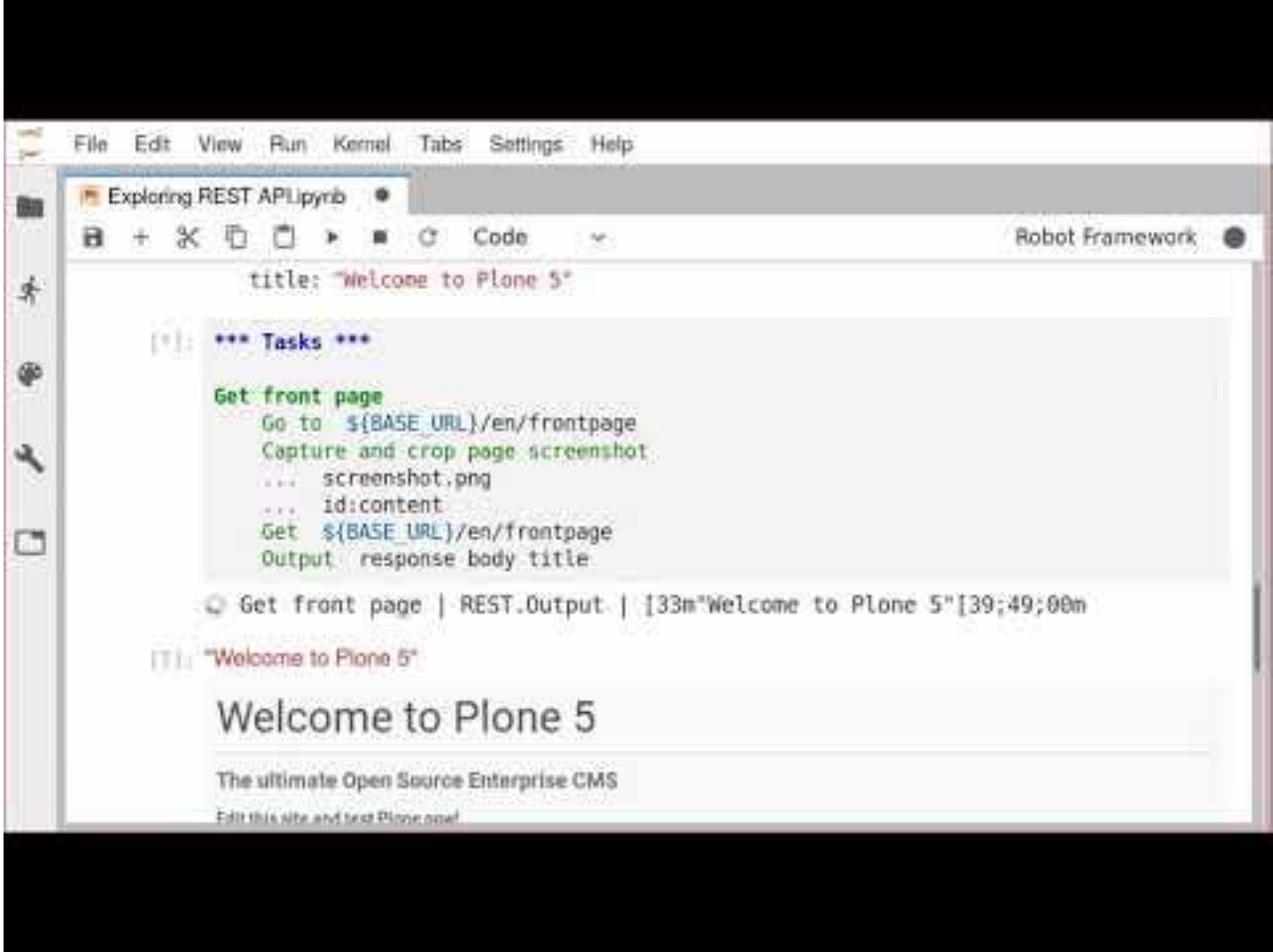
VSCODE

.ROBOT

BRACKETS

WHAT CAN WE DO NOW?

Rapid iteration on Web API Interaction with REST Instance

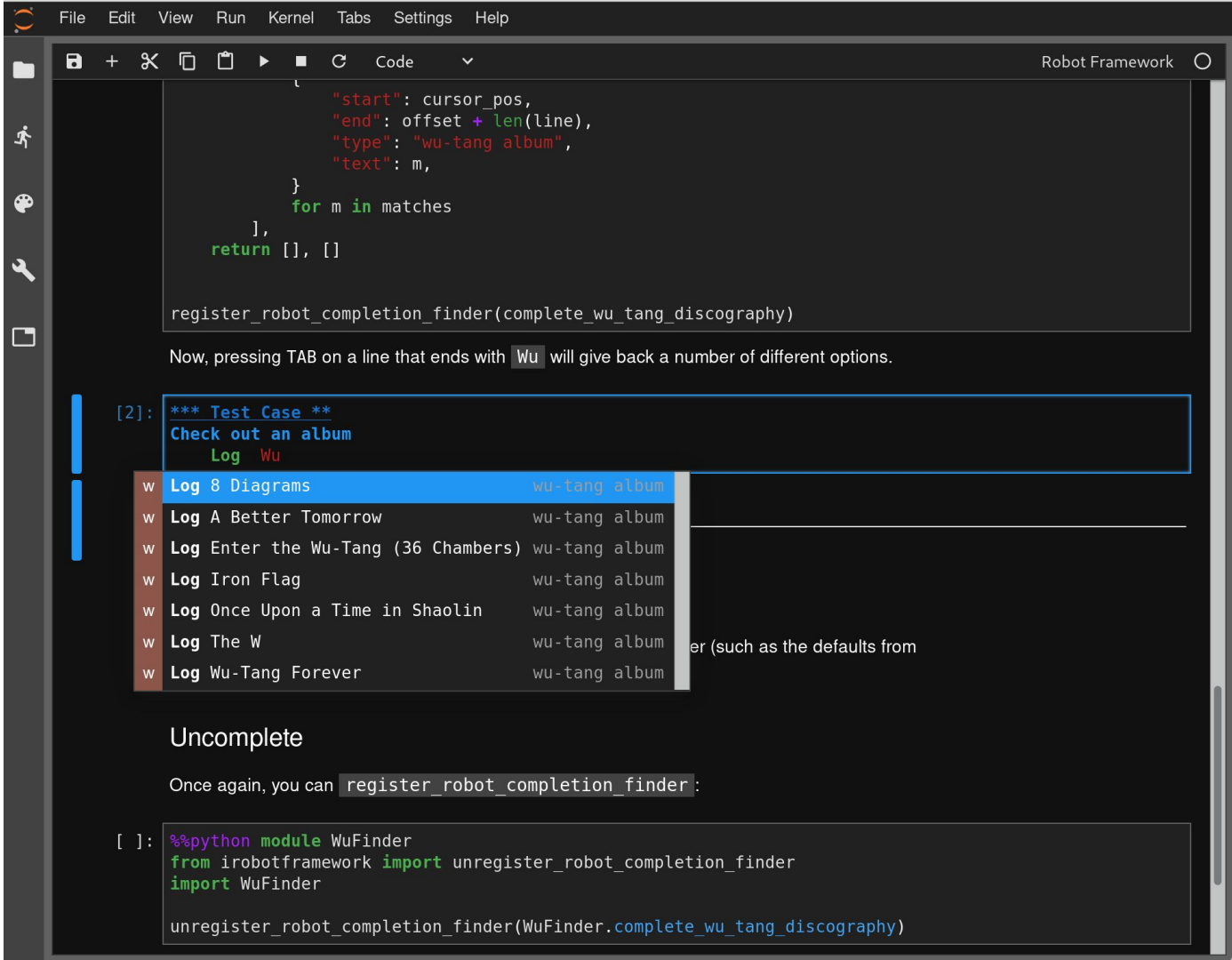


ITERATE COMPLETE INSPECT

DOCUMENT REUSE EXTEND

COLLABORATE ANNOTAT
E

Extend and customize your Robot runtime



INTERACTIVE TUTORIALS

FAST LIBRARY PROTOTYPING

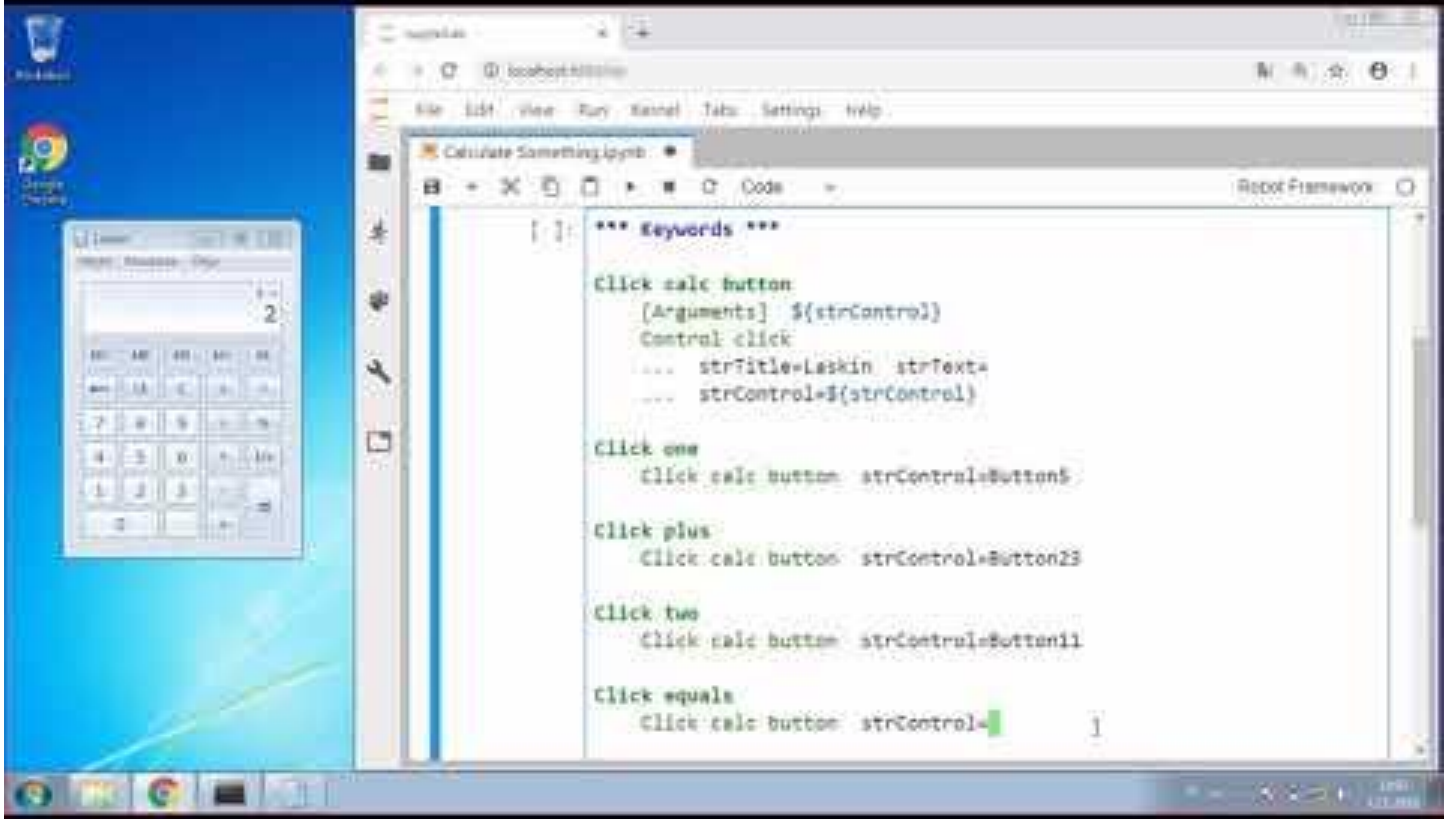
WORKFLOW AUTOMATION

SCRIPTED SCREENSHOTS

Visual Feedback In the System-Under-Test

MORE. FUN.

More Than Just web Stuff!



RobotLab

robots-from-jupyter/**robotlab**

A curated, ready-to-install environment for Robot Framework & Jupyter on Windows, MacOS and Linux

Python 3.6
Robot Framework
robotkernel
JupyterLab
SeleniumLibrary
JupyterLibrary
RESTInstance
[Chrome|Gecko]Driver
OpenCV
Conda
Nodejs
Pip
etc...

GO GET‘EM ROBOTS

```
pip3 install   robotkernel
               robotframework-jupyterlibrary
               irobotframework # COMING SOON
```

robots-from-jupyter.github.io

DEMO