
jira-agile-toolbox

Release unknown

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CONTENTS

1	API documentation	3
2	Indices and tables	7
	Index	9


```
pip install jira-agile-toolbox
```


API DOCUMENTATION

class `jira_agile_toolbox.JiraAgileToolBox(jira_client)`

a class which helps you do agile things with jira

Parameters `jira_client` (*jira.JIRA*) – an instance of *jira.JIRA*

Example

```
>>> from jira import JIRA
>>> jira_client = JIRA("https://jira.atlassian.org")
>>> jat = JiraAgileToolBox(jira_client)
```

add_labels_to_all_sub_items_of_epic(*epic, labels*)

adds labels to all ‘Issues in Epic’

Parameters

- **epic** (*str jira.Issue*) – and epic key as a string or the epic as a *jira.Issue*
- **labels** (*str list*) – the label to set as a string or the labels to set as a list

Example

```
>>> from jira_agile_toolbox import JiraAgileToolBox
>>> from jira import JIRA
>>> my_jira_client = JIRA("https://my-jira-server.com", basic_auth=(
    ↪ "MYUSERNAME", "MYPASSWORD")
>>> tb = JiraAgileToolBox(my_jira_client)
>>> tb.add_labels_to_all_sub_items_of_epic("PROJ001-001", ["label_to_set
    ↪ "])
```

this will append the “label_to_set” to all existing labels of all Issues in Epic

get_all_issues_in_epic(*epic, fields=None*)

gets all ‘Issues in Epic’ as a list

Example

```
>>> from jira_agile_toolbox import JiraAgileToolBox
>>> from jira import JIRA
>>> my_jira_client = JIRA("https://my-jira-server.com", basic_auth=(
    ↪ "MYUSERNAME", "MYPASSWORD")
>>> tb = JiraAgileToolBox(my_jira_client)
>>> tb.get_all_issues_in_epic("JAT-001")
[<JIRA Issue: key='JAT-002', id='67'>, <JIRA Issue: key='JAT-003', id='68
    ↪ '>, <JIRA Issue: key='JAT-004', id='69'>]
```

Parameters

- **epic** (*str jira.Issue*) – and epic key as a string or the epic as a jira.Issue
- **fields** (*str list*) – a string or list of strings to limit the fields to get this helps to lower the amount of data to be sent around

Returns a list of jira.Issues**Return type** list**get_storypoints_from_epic(epic)**

searches for the epic and returns the number of storypoints as a dict

Parameters **epic** (*str jira.Issue*) – and epic key as a string or the epic as a jira.Issue**Returns** a dictionary containing total story points**Return type** dict

Example

```
>>> from jira_agile_toolbox import JiraAgileToolBox
>>> from jira import JIRA
>>> my_jira_client = JIRA("https://my-jira-server.com", basic_auth=(
    ↪ "MYUSERNAME", "MYPASSWORD")
>>> tb = JiraAgileToolBox(my_jira_client)
>>> tb.get_storypoints_from_epic("JAT-001")
{'total': 100, "Reported": 50, "Closed": 50}
```

rank_issues_at_top_of_project(ranked_list, project)

moves the provided ranked_list at the top of the backlog of the given project

Parameters

- **ranked_list** – a list of jira Issues
- **project** (*str*) – project key

Example

```
>>> from jira_agile_toolbox import JiraAgileToolBox
>>> from jira import JIRA
>>> my_jira_client = JIRA("https://my-jira-server.com", basic_auth=(
    ↪ "MYUSERNAME", "MYPASSWORD")
>>> tb = JiraAgileToolBox(my_jira_client)
>>> tb.rank_issues_by_list([my_jira_client.issue("JAT-001"), my_jira_
    ↪ client.issue("JAT-003")])
```

will produce following result

before	after
JAT-010	JAT-001
JAT-005	JAT-003
JAT-003	JAT-010
JAT-002	JAT-005
JAT-001	JAT-002

rank_issues_by_list(ranked_list, on_top_of_issue)

sorts the provided list by rank on top of the latter issue

Parameters

- **ranked_list** – list of issues to be sorted by rank index 0 has highest rank
- **on_top_of_issue** – issue on top of which these issues need to land

Example

```
>>> from jira_agile_toolbox import JiraAgileToolBox
>>> from jira import JIRA
>>> my_jira_client = JIRA("https://my-jira-server.com", basic_auth=(
    ↪ "MYUSERNAME", "MYPASSWORD")
>>> tb = JiraAgileToolBox(my_jira_client)
>>> tb.rank_issues_by_list([my_jira_client.issue("JAT-001"), my_jira_
    ↪ client.issue("JAT-003")], my_jira_client.issue("JAT-005"))
```

will rank issues like:

before	after
JAT-010	JAT-010
JAT-005	JAT-001
JAT-003	JAT-003
JAT-002	JAT-005
JAT-001	JAT-002

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

INDEX

A

`add_labels_to_all_sub_items_of_epic()`
(*jira_agile_toolbox.JiraAgileToolBox* method),
3

G

`get_all_issues_in_epic()`
(*jira_agile_toolbox.JiraAgileToolBox* method),
3

`get_storypoints_from_epic()`
(*jira_agile_toolbox.JiraAgileToolBox* method),
4

J

`JiraAgileToolBox` (class in *jira_agile_toolbox*), 3

R

`rank_issues_at_top_of_project()`
(*jira_agile_toolbox.JiraAgileToolBox* method),
4

`rank_issues_by_list()`
(*jira_agile_toolbox.JiraAgileToolBox* method),
4