Cli script guidebook

Available commands:

User:

register <user\_name> <password> // Register a new user

login <user\_name> <password> // Login to a user

remove\_user <user\_name> // remove a user (you have to be admin to do that)

make\_admin <user\_name> // make a user as an admin (you have to be admin to do that)

Project:

create\_project <project\_name> // create a project

select\_project <project\_id> // select an existing project

remove\_project <project\_id> // remove a project

deselect\_project // deselect a project

list\_projects // list all projects

clear\_project <project\_id> // clear all nodes in a project

load\_project <project\_id> // loads a poject from database

get\_project <project\_id> // get all nodes in a project

node:

make <node\_name> <args> // create a node

edit <node\_name> <node\_id> <args> // update an existing node

remove <node\_name> <node\_id> // remove an existing node

show <node\_name> <node\_id> <output\_port> // get a node

list // list all nodes

General:

recent // get recent project with recent user automatically

help // list all possible commands

exit // exit the program

expected output for each command:

register:

Success: “User {username} created.”

Fail: "User {username} already exists."

login:

Success: "User {username} selected."

Fail: "Invalid username or password."

remove\_user:

Success: "User {username} removed."

Fail: "User does not exist." Or "You must be an admin to remove users."

make\_admin:

Success: "User {username} is now an admin."

Fail: "You must be an admin to make other users admins." Or "User does not exist."

create\_project:

Success: "Project {project\_id} created."

select\_project:

Success: "Project {project\_id} selected."

Fail: "No user selected." Or "Project does not exist."

deselect\_project:

Success: "Project deselected."

list\_projects:

Success: "Projects: "

Fail: "No user selected."

remove\_project:

Success: "Project {project\_id} removed.")

Fail: "Project does not exist." Or "No user selected."

clear\_project:

Success: "Project {project\_id} cleared."

Fail: "No user selected."

load\_project:

Success: a list of json format

get\_project:

Success: a list of json format

make:

Success: json format for the created node

Fail: "Error creating Node" Or "No Project selected." Or "Node {node\_name} not found in the mapper."

Edit:

Success: json format for the updated node

Fail: "No Project selected." Or "Node {node\_name} not found in the mapper." Or "Node {block\_id} not found." Or "Error Updating Node"

remove:

Success: "Node {block\_id} removed."

Fail: "No Project selected." Or "Node {node\_name} not found in mapper." Or "Node {block\_id} not found." Or "Error Removing Node"

Show:

Success: a json format for the node

Fail: "No Project selected." Or "Node {node\_name} not found in the mapper." Or "Node {block\_id} not found." Or "Error getting Node"

All Possible node\_name values:

ridge

lasso

linear\_regression

sgd\_regression

elastic\_net

sgd\_classifier

ridge\_classifier

logistic\_regression

rbf\_svr

linear\_svr

poly\_svr

sigmoid\_svr

rbf\_svc

linear\_svc

poly\_svc

sigmoid\_svc

bagging\_regressor

adaboost\_regressor

gradient\_boosting\_regressor

decision\_tree\_regressor

random\_forest\_regressor

bagging\_classifier

adaboost\_classifier

gradient\_boosting\_classifier

decision\_tree\_classifier

random\_forest\_classifier

gaussian\_nb

bernoulli\_nb

multinomial\_nb

knn\_regressor

knn\_classifier

model\_fitter

predictor

evaluator

maxabs\_scaler

normalizer

minmax\_scaler

robust\_scaler

standard\_scaler

label\_encoder

onehot\_encoder

ordinal\_encoder

label\_binarizer

knn\_imputer

simple\_imputer

binarizer

preprocessor\_fitter

transformer

fitter\_transformer

data\_loader

splitter

joiner

train\_test\_split

input\_layer

conv2d\_layer

maxpool2d\_layer

flatten\_layer

dense\_layer

dropout\_layer

sequential\_model

nn\_fitter

model\_compiler