

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 project 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