

## 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_id>    // 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