



# Front end API

This page gathers all the API calls that can be used by the backend.

Backend -> Front end

## Warning

The functions can only be called if they are available on the `web/build` directory, therefore if you make a change using `npm run serve` won't show it, you will need to rebuild the front end with `npm run buildWeb` or by using `npm run start`.

## Note

These functions can only be called after eel is initiated with `eel.init()`.

## Core API

Collection of all functions/API calls available to the backend. You can find them in the `bolinho_api/core.py` file.

The JavaScript file can be found in the api folder.

```
def ping() :
```

Tries to ping the bolinho front-end, returns 1 if it worked

### Python usage example

```
from bolinho_api.core import core_api

while True:
    try:
        if core_api.ping():
            print("got a ping!")
            break
    except:
        eel.sleep(1)
```

```
def get_config_params() :
```

Tries to ping the bolinho front-end, returns 1 if it worked

**Python usage example**

```
from bolinho_api.core import core_api

config = core_api.get_config_params()
current_save_version = config["configVersion"]
print(current_save_version)
```

This function is located at `src/web/src/App.js`

```
def go_to_experiment_page() :
```

Asks the front end to go to the experiment page.

Returns 1 if succeeded.

**Python usage example**

```
from bolinho_api.core import core_api

change_pages = True
if change_pages:
    core_api.go_to_experiment_page()
```

```
def go_to_home_page() :
```

Asks the front end to go to the home page.

Returns 1 if succeeded.

**Python usage example**

```
from bolinho_api.core import core_api

change_pages = True
if change_pages:
    core_api.go_to_home_page()
```

```
def show_connect_prompt() :
```

Asks the front end to show the connection prompt.

The connection prompt is used to select the serial port.

Returns 1 if succeeded.

#### Python usage example

```
from bolinho_api.core import core_api

config = core_api.get_config_params()
device_port = config["port"]

while not device_port:
    core_api.show_connect_prompt()
    device_port = config["port"]
```

## UI API

Collection of all functions/API calls available to the backend for UI in general. You can find them in the `bolinho_api/ui.py` file.

The JavaScript file can be found in the `api` folder.

```
def success_alert(text) :
```

Uses [React-Toastify](#) to create an success alert.

#### Python usage example

```
from bolinho_api.ui import ui_api

ui_api.success_alert("Success!")
```

```
def error_alert(text) :
```

Uses [React-Toastify](#) to create an error alert.

#### Python usage example

```
from bolinho_api.ui import ui_api

UApi.error_alert("Error!")
```

```
def prompt_user(description, options, callback_func) :
```

Prompts the user with a 'description', and shows the 'options' to the user.

The result is passed to the callback\_function

#### Python usage example

```
from bolinho_api.ui import ui_api

def get_result(result):
    if result == "yes":
        print("The user chose yes")
    print("The user chose no")

Ulapl.prompt_user(
    description="Do you want to pay 1000?",
    options=["yes", "no"],
    callback_func= get_result,
)
```