SoSoBot API Definition

Resources

What resources are to be exposed in this API?

Resource	**Motor**
Base Path	/motor/<string:direction>?on=0|1
Functionality	Turn the specified motor of the SoSoBot on (on=1) and off (on=0)
Dependency	Motor control package (GPIO / WiringPi)
Verb(s)	PUT
Scope	WiFi network

Possible values for *<string:direction>*:   left, right, both.

Example

```
.../motor/right?on=1
```

will turn the right motor on.

Authorization

How is access to the API to be controlled.

No authorization process planned so far.

Could be implemented during a long-term internship as additional feature.

Error Handling

Every occurring error returns an error response. The error code as well as the error messages follow the standards as common for REST APIs.

Development

Related user stories:

Backend:

- #14 The user wants a way for communication between mobile phone and robot (REST API)

Frontend:

- #8 UI controls for individual motors
- #9 Press and hold a UI-Button powers the motor