

Getting started with your pool application

1. Prerequisites

To make your pool project work, you will need:

➔ Raspberry PI3,

➔ Three temperature sensors:



SunFounder Photoresistor Light Sensor Module for Arduino and Raspberry Pi.

➔ One luminosity sensor:



SunFounder Photoresistor Light Sensor Module for Arduino and Raspberry Pi.

➔ Two relays,



tinxi® 8 Canaux Relais Module 5V DC 230 Optocoupleur approprié pour Arduino Raspberry Pi

➔ A waterproof box to put your equipment,

➔ A board for the electronic connections

This project is developed with the framework Symfony 3.3.5 and PHP7.

2. Installation

To make your pool project work, clone the Github repository :

```
git clone </path/to/existing/git/repository> </path/where/it/should/be/cloned>
```

Once you've done this, some command need to be executed to start your project:

➔ Run composer:

```
./composer.phar update
```

➔ Create the project database in PhpMyAdmin and set it up in Symfony

➔ Update database with ORM

```
php bin/console doctrine:schema:update --force
```

➔ Load fixtures

```
php bin/console doctrine:fixtures:load
```