

About

WeatherIO is a weather app for Android, Windows and Web. It is built on .NET MAUI and Blazor.

Features

- View current weather conditions for your location
- View hourly and daily weather forecast

Contents

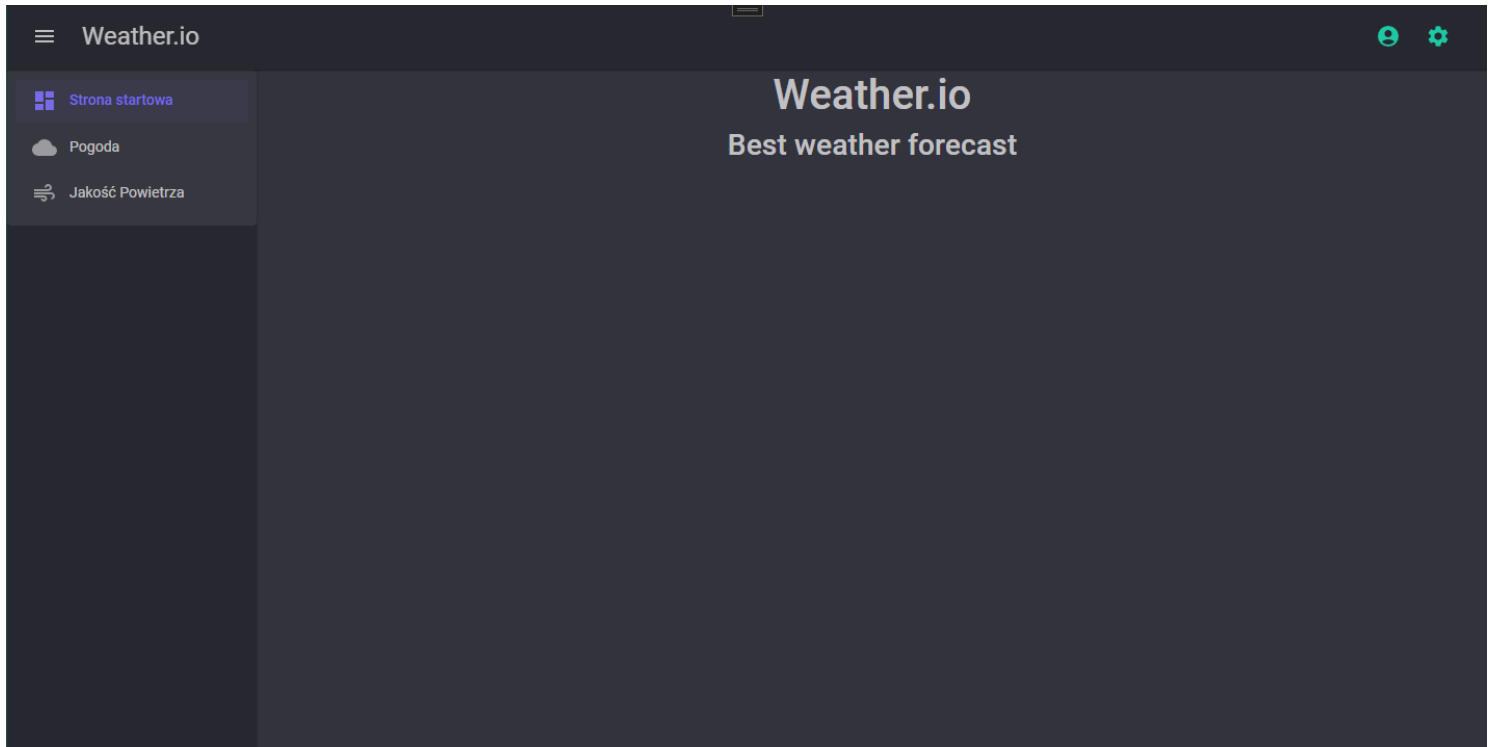
This project contains the source code for the following projects:

- [WeatherIO App](#) - .NET MAUI Blazor app for Android, Windows
- [WeatherIO Common](#) - Razor Class Library with common code for all projects
- [WeatherIO Server](#) - ASP.NET Core Web API for server side logic
- [WeatherIO Web](#) - ASP.NET Core Blazor WebAssembly app for Web

User Guide

This guide is intended to help users of WeatherIO app to get started with the app and to learn about its features.

Main Page



API Documentation

Here you can find the documentation for the WeatherIO API. The API is built using ASP.NET Core Web API and dockerized using Docker.

Deployment guide for administrators

Prerequisites:

- docker

To begin with you need to have docker installed on the machine. A guide on docker installation can be found at: <https://docs.docker.com/engine/install/>. Next you need to clone the repository with command:

```
git clone https://github.com/pcz-io/weather-io.git
```

This will download repository with application code.

Running server

The easiest way to start server is to run `run-compose.sh` script located in `WeatherIO/` folder. So to do that change working directory to `WeatherIO` and run script by typing commands:

```
cd WeatherIO
sudo ./run-compose.sh --detach
```

It is necessary to add `--detach` argument to run docker compose in detached mode, otherwise it would not run in background. If your user is not in `docker` group you need to run script in privileged mode e.g. by running with `sudo`.

Help message

To show a script help message you can run:

```
./run-compose.sh --help
```

Updating application

To update the application you need to pull new version from the remote repository and run `run-compose.sh` with additional `--update` argument.

```
git pull
sudo ./run-compose.sh --update --detach
```

By adding `--update`, script will stop application containers, delete them (database will be preserved), remove old images, build new version and start all necessary containers.

Technical Documentation

This document contains all the technical documentation for the WeatherIO project. It is divided into sections based on project namespacing.