# Contributing

Pull requests are welcome from everyone.

This project is written in [TypeScript](https://www.typescriptlang.org/) and uses [Nest.js](https://nestjs.com/) for the server and [Angular](https://angular.io/) for the client UI.

## Getting Setup

\*Note: The Raspberry Pi and similar boards do not meet the memory or CPU requirements required to setup the development environment.\*

First, remove any globally installed versions of `homebridge-config-ui-x` you may have installed on your development machine:

```

npm uninstall -g homebridge-config-ui-x

```

Fork, then clone the repo:

```

git clone git@github.com:your-username/homebridge-config-ui-x.git

```

Install npm dependencies for the plugin:

```

npm install

```

Install the npm dependencies for the UI:

```

npm run install:ui

```

Build the plugin, it may take sometime to compile the UI:

```

npm run build

```

Symlink your development directory to global:

```

npm link

```

You can now run `homebridge` and it will use `homebridge-config-ui-x` from your development directory. Make sure you have setup `homebridge-config-ui-x` in your `config.json` and that the plugin is configured to run on port `8080`. Here is a good template to use:

```json

"platforms": [

{

"platform": "config",

"name": "Config",

"port": 8080,

"standalone": true

}

]

```

## Watching For Changes

This will start the Angular development server on port `4200` and a standalone server on port 8080. It will also watch and compile changes made to the server side TypeScript code:

```

npm run watch

```

You should now be able to navigate to `https://localhost:4200` in your browser which will connect to your `homebridge` instance running on port `8080`. The UI will automatically reload whenever you make changes to the code.

## Contributing To Translations

Additional language translations, or improvements to existing translations are most welcome. Translations can be found here:

https://github.com/oznu/homebridge-config-ui-x/tree/master/ui/src/i18n