

# Weather Assistant Tool - Developer Documents

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June 2024

## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Source Code</b>	<b>2</b>
2.1	Front End . . . . .	2
2.2	Back End . . . . .	2
<b>3</b>	<b>Layout</b>	<b>2</b>
<b>4</b>	<b>Building the Software</b>	<b>2</b>
4.1	Front End . . . . .	2
4.2	Back End . . . . .	2
<b>5</b>	<b>Testing and New Tests</b>	<b>3</b>

# 1 Introduction

Welcome to our Weather Assistant App!

The goal of this document is to assist you in building, changing, testing, and expanding this project. If you are looking on how to install or run the program, please refer to the User Manual.

# 2 Source Code

## 2.1 Front End

All of the code for the front end is located within the /App-Files in the repository.

## 2.2 Back End

Backend interaction code is within the front end files. To set up your own backend, you will need to view the installation instructions in the User Manual.

# 3 Layout

The layout follows the Vue.js layout, consisting of components, pages, images, scripts, themes and more. All files you are likely to modify are within /App-files/src.

# 4 Building the Software

## 4.1 Front End

Running the front end is as simple as insuring you have installed prerequisite dependencies seen in the User Manual, navigating to the /App-Files Directory, and entering "Ionic Serve". There is no need to build compress the program into a executable using this method, however you can do so to host it on firebase using the following backend instructions.

## 4.2 Back End

You only need to build if you want to host on firebase. You can run the program locally fine without building it for production and distribution. If you do want to host it however:

1. Navigate to project folder
2. npm run build
3. npm install -g firebase-tools
4. firebase login (this command opens your browser to login to google account)
5. firebase init (Select hosting option where you can configure files, use dist folder as directory, select yes option to make it a single page app, select no to setup automatic builds and deploys with github, select no to overwriting index.html)
6. firebase deploy

You can also view this link [HERE](#) for detailed instructions.

## 5 Testing and New Tests

To test the program, install prerequisites and then simply choose a location.