

Android App Instructions

The first step is to download/clone the repository. If Flutter is not already installed, instructions and download files can be found here: [Install Flutter](#).

After that, navigate to: [Download Android Studio & App Tools - Android Developers](#) and install the newest version. When it finishes installing, click “More Actions” on the welcome screen, then “Virtual Device Manager.” There should be a “Medium Phone API” there by default, click on its start button to get it running.

Then, inside Visual Studio Code, ensure that you are in the folder called “baby_words_tracker,” as its parent, “Baby Words,” will probably be the default. At this point, “**flutter doctor**” should be run from the terminal to ensure that it is working properly. Resolve any errors reported, there should be clear error messages that can be searched for more information. At this point, enter “**flutter run**” into the terminal. The first build will take some time; successive launches will be faster. The terminal may prompt the user to choose a device at this point; choose the android phone. This should launch the app in the emulator.

iOS App Instructions

To develop for iOS you will need a Macbook capable of running the latest version of Xcode.

[Install Xcode and iOS Simulators](#)

You will first need to clone the WordBuds repo and install Flutter. This follows the same steps as developing for Android.

Then, you will need to navigate to the Baby_Words/baby_word_tracker directory. This is the directory of the Flutter app.

Open your iOS simulator by selecting it in the app tray or run: **open -a Simulator**.

List all devices with the command: **flutter devices**

Run the app using: **flutter run -d <your-device>**

Firebase Instructions

The instructions for developing for firebase are the exact same as deploying.

Alternatively, you can also [run a local firebase emulator](#)

Web App with Docker Instructions (recommended)

Install Docker compose [on your machine](#)

Navigate to Baby_Words/webapp

Use either of the commands:

docker compose up --build -d

docker-compose up --build -d

The former command is used with newer docker versions, while the latter is used for legacy versions of docker.

Now run the command **docker ps** to view all activated docker containers and their associated ports.

Web App Without Docker Instructions (not recommended)

Ensure that nodejs and the node package manager (npm) is [installed on your machine](#)

Navigate to Baby_Words/webapp

Run **npm -install** in the directory

Run the angular app using: **ng serve**

The command should you give an address where the website is served (typically <http://localhost:4200>)