

Church of Scyence

Software Learning JS



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Church of scyence

https://github.com/churchofscyence

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# Introduction

We used the Google Angular framework to build a Learning JavaScript Application. No database is connected to this application, so any code you write to the text box will not be persistent. This application is meant to be used at all skill levels, from high school to college. This application can be used to practice the JavaScript language. Users using this application are encouraged to write their tutorial to understand the language better. There will be no tutorial provided with this application. To start this application, use the Docker Script or Angular CLI. The student must install Angular CLI and NodeJS on the command line to start the application with the Angular CLI.  It is recommended that the user install an editor such as Microsoft Visual Studio Code or IntelliJ Jet Brains WebStorn. To use the Docker Script, the user must install the Docker Desktop.

A screenshot of a computer

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# Starting Learning JavaScript Application

## Start the Application with Angular CLI

The first step is to install NodeJS on the computer. Install instructions are in the Reference section of the Software Learning JS document on the Church of Scynce GitHub in the Script Repository. The next step is to populate the node modules folder by running the npm install command, the Node Package Manager (NPM), from the Windows Command Line or Mac Terminal Windows. The first step is to populate the node modules folder by running the npm install command, the Node Package Manager (NPM), from the Windows Command Line or Mac Terminal Windows. Node Package Manager reads the angular JSON file to download all the necessary libraries.

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The 'ng service' command builds, deploys, serves, and watches your angular code changes. Angular CLI runs Webpack to build and bundle all JavaScript and CSS code. In turn, Webpack calls the TypeScript loaders, which fetches all .ts files in the Angular project and then transpiles them to JavaScript, i.e., to a .js file, which browsers can understand.

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## Start the Application with Docker Script

# References

* [How to Install Node.js on Window 10](https://www.youtube.com/watch?v=__7eOCxJyow)
* [How to install Nodejs on Mac [Any version & Easy method]](https://www.youtube.com/watch?v=SwUKKCS3r3c)
* [Running a project with ng serve](https://www.youtube.com/watch?v=-w-RfHcLt5U)