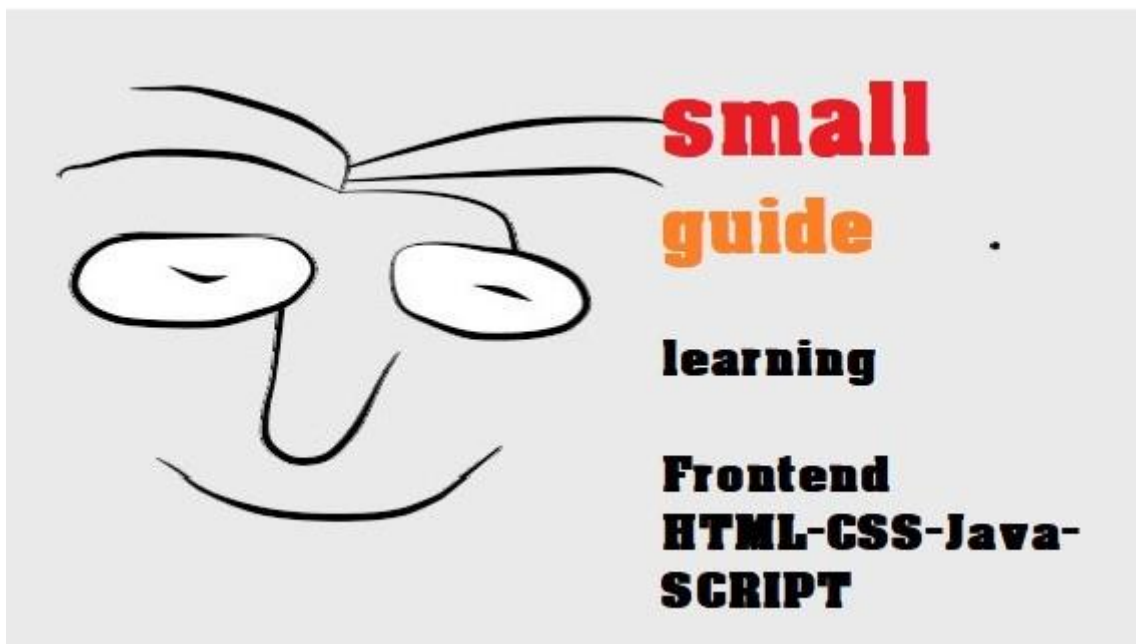# GUIDE- LEARNING

(FRONTEND-DEVELOPER)

For beginner

Point 1

Install Visual – Studio Code

Watching Video Visual-Studio-Code (settings) (extensions)

Learning and working with the live-Server and installing the live-Server. (watch this video on site)

Important: Building a HTML-STRUCTURE WITH AN EXCLAMATION-MARK

Learn how to trigger a basic HTML structure with an exclamation mark and click the enter button. This technique will save you a lot of writing work if you know this trick. (watch the video). An html structure consists of a head and a body.
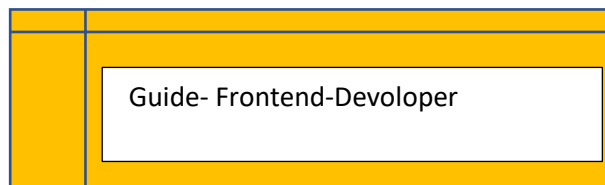
Point 2

Now, starting with a little project. The name of this project is: The purple-soccer-field.

In this simple exercise you will learn the first steps in frontend development, you will learn how to create a basic HTML framework with an exclamation mark and you will learn to work with a live server for the first time, where you can immediately see what you have coded. You will also learn how to easily change the title of a page. The video is currently only available in German, but an attempt will soon be made to offer the video in English as well.

Point 3

Guide- Frontend-Devoloper

Learning & watching

WATCHING VIDEOS – HTML, CSS, JAVA-SCRIPT

To get off to a good start in frontend development, you need **HTML, CSS** for the styling and you can write functions with **java-script.** Take a look at the videos on the site. One video on HTML, one on CSS and one on Java-Script. When you start programming, it is important that you start with a simple project, to program a small app or a website. Make sure to choose something simple to start with. **No big projects.** Try to program a navigation bar of a website. You can find the video on the website.

VERY important!

Note: java-script has nothing to do with java!

Note: HTML is **not** a programming language but a mark-up language.

CSS is **not** a programming language but a **style sheet language!**

There is a difference.

Point 4

Once you've coded the navigation bar, venture into a slightly larger project. Watch the video on how to style and program a complete website in HTML, CSS and java script, or try developing the calculator on the (video) page, or programming an app.
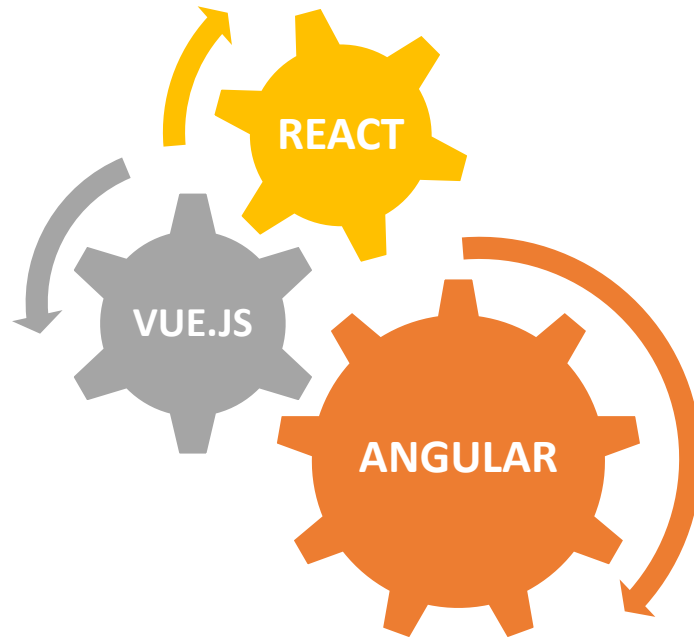
☹ - ☹ - ☹ - ☹ - ☹

Cool – Now, you are a cool programmer?

If you can write Code, HTML you can do CSS and Java script after about half a year and have done many projects and exercises, I will unfortunately have to disappoint you. It is not enough to know these 3 things as a Frontend-developer. In the following passage, I will give you further topics that you should know as a frontend developer.

Point 5 ☺

Learning Frameworks

If you want to be successful in frontend development, you should be good at at least one of the frameworks. The frameworks are also required in some projects. That means you should be familiar with React, or vue.js, or for large business sites, Angular. Angular is very big and not easy at first. In addition, if you learn Angular, you have to work with Typescript.

First, learn to work with **React**. Check out the videos on youtube or here on the website.

POINT 6

GIT – GITHUB

Learn to work with version control systems. Make sure you know how Git - Github works. What are branches, what is a repository? What is version control, etc.?

POINT 7

Clean-Code

When you program, there are so-called clean code guidelines and rules.

KISS - Keep it simple stupid

Keep the source code as simple as possible. If there is an easy way to implement something, that route should be followed. Additional complexity makes the code more difficult to understand and therefore difficult to maintain.

DRY - don't repeat yourself

Any duplication of source code or information in software is bad because it can lead to potential inconsistencies and makes the software difficult to maintain.

Please watch the videos on this site.

Point 8

Learning keyboard-shortcuts – Don´t lose a lot of time….

You have surely seen before that many programmers are extremely fast with their keyboards in videos. Make sure to

learn the **most important keyboard shortcuts** so that you are faster. You simply lose a lot of time if you don't use keyboard shortcuts or if you don't know them at all.

Check the videos on youtube „keyboard shortcuts"

Thank you for your attention

Contact: piereli(at)web.de

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www.schulhof-programmierung.de