JS in Midterm and homework

\* Jquery: js framework, the inclusion of the library is this,

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

\* $(“#test\_me”).click(); → event handler for action that is clicking on the button called “test\_me”

$(“#identifier”) is a usage of Jquery library, a js library for quick development.

\* What about the standard js? What we call it vanilla js.

\* JS is by default lamda language

\* JS is by default is asynchronous language

\* JS does not need compiler but only a transpiler built in browser. Every browser has a parser and interpreter. Transpiler = parser + interpreter.

\* Look for browser sourcecode of linx, opera or chrome for the parsing JS module, to see how it was implemented.

Ref

\* <https://lynx.invisible-island.net/>(open source)

\* <https://www.chromium.org/chromium-projects/> (open source)

1/ https://chromium.googlesource.com/chromium/src.git

2/ <https://chromium.googlesource.com/chromium/src/+/refs/heads/main/docs/linux/build_instructions.md>(Linux)

3/ <https://chromium.googlesource.com/chromium/src/+/refs/heads/main/docs/windows_build_instructions.md> (Windows)

4/ <https://chromium.googlesource.com/chromium/src/+/refs/heads/main/docs/mac_build_instructions.md> (Mac)

\* https://www.opera.com/?utm\_campaign=%2301%20-%20US%20-%20Search%20-%20EN%20-%20Branded%20-%202017&utm\_content=41781089684&gad\_source=1&gclid=Cj0KCQjw4Oe4BhCcARIsADQ0csng27tQ-Ua1ZtNXhhf05kITVbMoneZZX6Nf9rV6-JD8GKMgsleS5bQaAnb1EALw\_wcB

SPA – Single page application

1/ Vanilla JS really well and try to understand the most powerful feature of javascript. (1 week)

2/ VueJS (<https://vuejs.org/guide/introduction.html>)(2 weeks)

3/ Typescript (<https://www.typescriptlang.org/>)(1 week)

4/ ReactJS (https://react.dev/learn)

5/ AngularJS (??)

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**Undergrad**

Python3\*/Java(Streams, Lambda) - Undergrad

Frameworks: Django/Flask or Springboot(JPA, Lombok).

Linux – 10-20 days (cheatsheet, basic)

**Grad**

Whole JS(Vanilla + Vuejs|ReactJs + Typescript) – One month (cheatsheet) + Jquery (2 days)

Docker – 3 days (devOps skills)

K8s – (Nice to have) 10 days (devOps skills)

**Interview**

Leetcode (use this)

Hackrank(dont’ use it)

\* If you are a JS developer and you are looking for JS job, choose Java as the primary language to program data structures.

\* Brush up with JS interview questions as well.

\* Practice writing small app or games without looking at syntax references in using ReactJS or VueJS.

**Jobs and Companies**

\* GC|Citizen , find jobs not in linkedin. Indeed.com. Gov jobs or with clearance. (Easy side)

\* International, Banks, Insurance are using more Java, 1/3 are using Python.

Contract to hire (staffing) – Judge Group Inc. (Easy side)

\* TCS, Infosys, Global Insight, VirtuUSA (good for skills, but a bit travels).

\* US based consulting companies, Cognizant, Bain & company, Mckinsey & company,

BCG(boston), KMGP...etc. (hard)

\* Smaller local companies, startup, or Fintech. (some might be easy, some are very picky)

\* Mid-size pharmaceuticals (jobs, referrals from friends)

\* FANNG (hard) - Microsoft first, Walmart, Amazon, Google, Facebook. (hard)

WebMD, iCIMS, New york times, a lot of companies in NYC.