

Answers to Q1

1- According to W3C “**TypeScript** is a syntactic super-set of JavaScript which adds static typing.” which means unlike javascript which has loosely defined types typescript is power languages that allows devs to specify types and build large scalable web applications.

2- **Github** is a cloud based collaboration tool for developers; using version control among-st its users a stable code base can be maintained and iterated to allow scale and redundancy.

3- The website toptal.com summarizes inVision app as for being the go-to platform for quickly turning static interface designs into clickable and shareable prototypes. That can be integrated and piped into other design systems like photo-shop and sketch.

4- Wikipedia defines codePen as an online community for testing and showcasing user-created HTML, CSS and JavaScript code snippets. It functions as an online code editor and open-source learning environment, where developers can create code snippets, called "pens," and test them. All materials are shareable between its users through the MIT creatives license.

5- Novibuilder seems to be a no code solution to website design. Using a drag and drop functionality the user can design robust websites.

6- “Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites,” according to W3C schools.

7- Grunt is a JavaScript task runner, a tool used to automatically perform frequent tasks such as compilation, unit testing, and linting. It uses a command-line interface to run custom tasks defined in a Gruntfile. Thats according to wikipedia definition.

8- The redis website declares Redis is the open-source, in-memory data store used by millions of developers as a cache, vector database, document database, streaming engine, and message broker.

9- The documentation for laragon on its site states: Laragon is a portable, isolated, fast & powerful universal development environment for PHP, Node.js, Python, Java, Go, Ruby. It is fast, lightweight, easy-to-use and easy-to-extend. Laragon is great for building and managing modern web applications.

10- A google product with a mission to build a design language that combines the classic principles of successful design along with innovation and technology.

MY Choices

- GITHUB with its version control and cloud based nature, makes collaboration easier. Removes are ambiguity when pair programming on large scale apps.
- Grunt, all the tools and frameworks on this list, Grunt is the only dedicated testing tool. Deploying large scale systems error free is rarely achieved in the industry. With a testing integral in the dev process would minimize errors in the final product.

WHY is VB Not on the list?

- Vb primary use case was in windows desktop applications like excel and access. While the other tools are more portable and designed for collaboration across different systems. The other tools tools are also very web friendly.

