Databases:

-Relational (SQL) or document-based (MongoDB)?

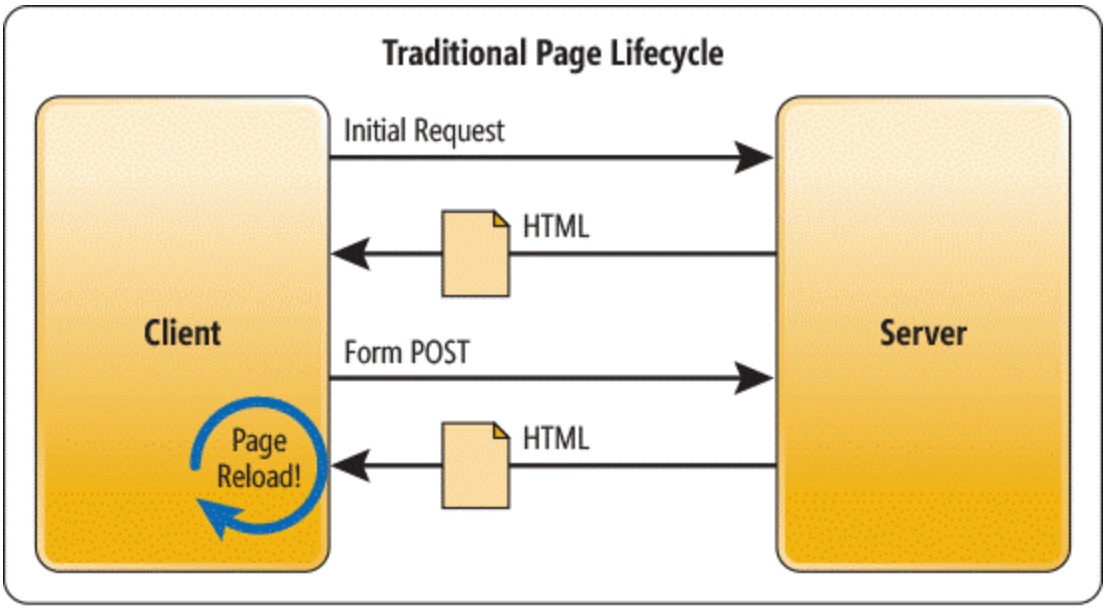
-Security is an issue with all info stored on a single database instead of locally. Needs proper logins.

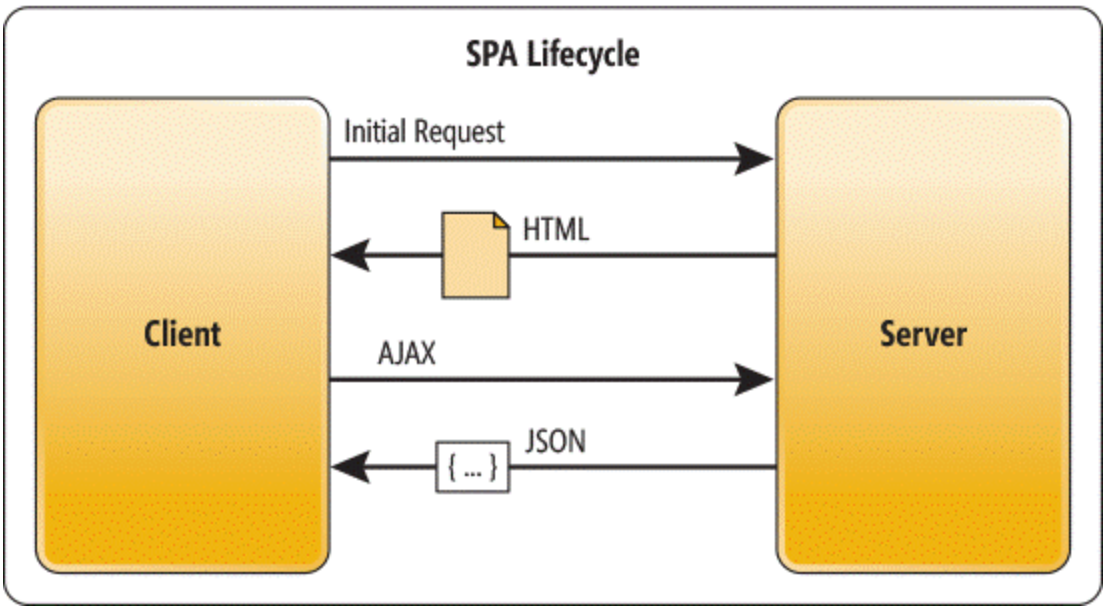
Front-end with HTML, CSS, and JS (dynamic Single Page Application (SPA)):

-need a compilation and packaging framework like Webpack, Grunt, etc. This is used to compile and serve the application on a nodeJS web server using localhost.

-Choose a front-end framework like Angular or React. (Not completely necessary, but helpful)

-Set up a development environment for an SPA. Most frameworks have support for this, but additional customization is almost always required.





Back-end (Single Page Application):

-Can use Java (Java Enterprise Edition) or another familiar back-end language

-Handles authentication, Creation and Editing of data, and other functions for the front-end

Hosting:

1. Buy a domain - Namecheap
2. Buy/Setup an SSL certificate - Let's Encrypt
3. Choose a cloud provider:
    1. Amazon
    2. MS Azure
    3. Google Cloud Platform
    4. Lower cost: Digital Ocean / Linode - if you are happy managing your own VMs
    5. Zeit Now, Heroku, Firebase are interesting alternatives that aim to be faster and easier to get things done - you should read about what they offer.

Deployment using:

-gitlab

-bitbucket

-etc

Web to mobile:

-Apache Cordova and Phonegap allow a hybrid mobile app to be built using HTML, CSS, and JS.

-If we use React JS to create a web app, then there is a framework to build a hybrid phone app already in React JS

https://hackernoon.com/web-apps-turn-website-into-mobile-app-your-four-best-options-78fcb2277be8

https://www.budibase.com/blog/how-to-make-a-web-app/

https://en.wikipedia.org/wiki/Single-page_application