adam-s / **js-interview-review**

The JS interview review. As I'm reviewing several resources I've bookmarked on JavaScript development, I'll share them here.

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adam-s Update README.md | Latest commit `61069b7` on Oct 19, 2017

README.md	Update README.md	2 years ago

README.md

What Do I Need to Know to Ace a JavaScript Interview?

Often there are threads posted around the internet about how to answer the top 10 gotcha JavaScript developer interview questions. Studying these the day before an interview is pointless like pulling an all-nighter studying for the SATs in 10th grade. We know what we know and these tests measure the culmination over the years of that knowledge. Nonetheless, I'm putting together a resource for review that covers some of the important concepts a JavaScript developer should know.

I'm reviewing material I have in my bookmark manager and listing it here.

Examples of blog posts about Javascript interview questions

- 21 Essential JavaScript Interview Questions
- 10 Interview Questions Every JavaScript Developer Should Know
- Javascript Interview Questions

What are the most important JavaScript concepts in no order?

Most of these concepts will overlap. Here is a catagorized list of JavaScript develoment resources

- Functional programming
- What is the event loop? The asynchronous nature of JavaScript
- Javascript. The core. Scope chain, prototype chain, scope, closure, constructor, and this.
- Design patterns and inheritance
- Build tools
- REST API design
- DOM: HTML / CSS / Twitter Bootstrap / jQuery
- Search Engine Optimization
- MongoDB, Express, AngularJS, Node.js
- Regular expressions
- Testing
- Databases
- Problem solving process

Functional programming

Mattias Petter Johansson puts the **fun** in functional programming. This is also a primer on Array functions, i.g. map, reduce, filter.

- Functional programming in JavaScript

What is the event loop? The asynchronous nature of JavaScript

- Philip Roberts: What the heck is the event loop anyway? | JSConf EU 2014
- Promises in Detail
- Promises - Part 8 of Functional Programming in JavaScript

Javascript. The core. Scope chain, prototype chain, closure, constructor, and this.

- JavaScript. The core
  - Execution contexts
  - Variable object
  - this
  - Scope chain
  - Functions
  - Closures
- You don't know JS
  - Scope & closures
  - this & object prototypes

Design patterns and inheritance

- Extending classes in JavaScript
- You Don't Know JS: Mixing (Up) "Class" Objects
- Essential JS Design Patterns

REST API design

- json:api
- Best Practices for Designing a Pragmatic RESTful API
- Swagger RESTful API Documentation
- Stripe API

DOM: HTML / CSS / Twitter Bootstrap / jQuery

- You Might Not Need jQuery
- CSS: Specificity Wars
- Flexbox Froggy

Search Engine Optimization

- Search Engine Optimization Starter Guide
- Structured Data

MongoDB, Express, AngularJS, Node.js

MongoDB

- Aggregation Pipeline
- mongoose.js documentation

AngularJS

- AngularJS Developer Guide

- Understanding NgModelController
- A Guide to Transclusion in AngularJS
- Advanced Directives with AngularJS

Node.js

- What is Node.js?

Regular expressions

- RegexOne
- Regex Crossword

Testing

Mocha, Chai, Sinon

- Testing Javascript with Mocha, Chai, and Sinon
- Test automation
- Mocking Requests with Mocha, Chai and Sinon
- Sinon Spies vs. Stubs

AngularJS, Karma, Jasmine

- Mocking Dependencies in AngularJS Tests
- Unit Testing in AngularJS: Services, Controllers & Providers
- AngularJS Testing Tips: Testing Directives
- AngularJS Testing: Bootstrap Blocks, Routes, Events, and Animations

Databases

SQL

- A Visual Explanation of SQL Joins
- SQL Teaching
- SQL Bolt -- Learn SQL with Simple, Interactive Exercises

Postgres

- PostgresSQL Exercises

Problem solving process

- Boyd's Law of Iteration