

MERN FSD - REFERENCES and CHEATSHEETS

WEB PROGRAMMING

HTML

*****HTML CHEATSHEET*****

- [HTML Basics](#)
- [HTML Structuring the web](#)

CSS

*****CSS CHEATSHEET*****

- [CSS basics](#)
- [Adding Fonts | Styling Text - Fundamental text and font styling](#)
- [CSS values and units](#)
- [CSS Specificity](#)
- [Deep understanding on CSS selectors](#)
- [Adding Images to Web Documents](#)
- [CSS Flexbox | CSS Grid](#)
- [ChromeDev Tools](#)
- [Using Media Queries](#)

BOOTSTRAP

- [Getting Started with Bootstrap](#)
- [Layout using BootStrap](#)

JAVASCRIPT

*****JAVASCRIPT CHEATSHEET*****

JAVASCRIPT BASICS

- [What is JavaScript?](#)
- [Variables, Data types and Literals](#)
- [Control Flow, Loops and iterations](#)

ARRAYS, FUNCTIONS, OBJECTS AND DOM

- [Working with arrays](#)
- [Functions | Self-invoking Functions](#)
- [Working with Object | Prototypes and Inheritance](#)
- [Working with JSON](#)
- [Working with String | Working with Numbers](#)
- [JavaScript Document Object Model \(DOM\) and Events](#)

ES6

- [Moving Towards ES6](#)
- [Introducing asynchronous JavaScript](#)
- [JavaScript Asynchronous Programming](#)
- [Fetch API](#)
- [Using the Fetch API](#)
- [Fetch API Introduction](#)

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REACT

****REACT CHEATSHEET****

SPA

- [Why people like SPAs](#)
- [Modern vs Traditional Web Development](#)
- [Single Page Applications vs Multiple Page Applications — Do You Really Need an SPA?](#)

REACT ARCHITECTURE AND BASICS

- [React basics](#)
- [React architecture](#)
- [Babel library](#)
- [Creating simple html page as react application](#)

REACT COMPONENTS

- [What are Components](#)
- [Class Based Approach](#)
- [Functional Approach](#)
- [Components Lifecycle](#)

REACT STATES AND PROPS

- [React States](#)
- [React Props](#)

REACT FORMS:

- [React Forms](#)
- [Formik](#)

REACT ROUTING

- [React-Router](#)
- [Working with Routes](#)
- [Working with Links](#)
- [Working with navigation](#)

REACT HOOKS

- [Hooks Introduction](#)
- [State Hooks](#)
- [Effect Hooks](#)
- [Hooks Rules](#)
- [Working with Hooks](#)

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REACT REDUX

- [Redux Introduction](#)
- [React Redux fundamentals](#)
- [Redux Architecture](#)
- [Redux Store](#)

UNIT TESTING

- [React Test Library](#)
- [Jest Testing](#)
- [Enzyme Testing](#)

E2E TESTING

- [Cypress](#)
- [Selenium](#)

NODE JS

****NODE JS CHEATSHEET****

NODE JS

- [Node Introduction](#)
- [Node Installation](#)
- [Node Architecture](#)
- [Node Modules](#)
- [Http Modules](#)
- [Fs Modules](#)
- [File Uploads](#)
- [Email](#)

EXPRESS JS

****EXPRESS JS CHEATSHEET****

- [Express introduction](#)
- [Express Http](#)
- [Express Routing](#)
- [Express Middleware](#)

MICROSERVICES

- [Microservices Architecture](#)
- [API gateways](#)

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MONGO DB

- [What is MongoDB](#)
- [NoSQL](#)
- [Mongo DB Installation](#)
- [Mongo DB Atlas](#)
- [Mongo Commands](#)

MONGOOSE

- [What is Mongoose](#)
- [Mongoose Schema](#)
- [Mongoose Model](#)
- [Mongoose Documents](#)
- [Mongoose API](#)
- [Mongoose CRUD Operation](#)

AUTHENTICATION AND AUTHORIZATION

- [What is authentication](#)
- [What is Authorization](#)
- [JWT Authentication](#)
- [Implementing JWT Authentication](#)
- [Passport JS](#)
- [Implementing Passport Authentication](#)

EXPRESS SESSION MANAGEMENT

- [Express Session](#)
- [Cookie Parser](#)

UNIT TESTING

- [Node testing](#)
- [Supertest](#)
- [Node Mock](#)

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DOCKER

*****DOCKER CHEATSHEET*****

- [Docker Overview](#)
- [Containerization Samples](#)

BUILD TOOLS

- [npm package manager](#) | [package.json](#)

VERSION CONTROL SYSTEM

*****GIT CHEAT SHEET*****

- [What is version control](#)
- [Getting Started](#)
- [Saving Changes](#)
- [Undoing Changes](#)
- [Collaborating](#)
- [Branching](#)