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| C:\Users\Ryabov\Dropbox\Work\Summer Labs\2015\iTechArtLogo.png |
| Web Development Basics | |
| Brief References for Self-Education | |

# Plan

1. Open Web Philosophy
2. Web Browser: Responsibilities, Limitations, Portability of Web Apps/Sites, Vendors
3. Web Server, Application Server
4. Elements of Distributed Network: Proxy/Reverse Proxy Server, Load Balancer, CDN
5. Networking Protocols: HTTP, TCP, DNS
6. Concept of resource: URI, URL, URN
7. Application Development
   1. Basic HTML
   2. Basic CSS
   3. Basic JavaScript
8. Web Application Architecture
9. Modern tendencies in Web Development:
   1. Single-Page Applications
   2. Responsive Web Design

# References

## How to Read

Base Information

Common Ideas (not for deep reading)

Interesting to See

## Links

* [What is Open Web](http://codinginparadise.org/weblog/2008/04/whats-open-web-and-why-is-it-important.html)
* [What is Web Browser](https://en.wikipedia.org/wiki/Web_browser)
* [How browsers work](http://www.html5rocks.com/ru/tutorials/internals/howbrowserswork/)
* [Browsers features support](http://caniuse.com/)
* [Web Server explanation](http://www.webdevelopersnotes.com/basics/what_is_web_server.php)
* [List of web servers](http://www.webdevelopersnotes.com/hosting/list_of_web_servers.php3)
* Application server vs Web server [1](http://www.javaworld.com/article/2077354/learn-java/app-server-web-server-what-s-the-difference.html), [2](http://stackoverflow.com/questions/936197/what-is-the-difference-between-application-server-and-web-server)
* [Insight on proxies](http://stackoverflow.com/questions/224664/difference-between-proxy-server-and-reverse-proxy-server)
* [CDN](http://habrahabr.ru/company/sports_ru/blog/198598/)
* [Scaling, Load Balancing](http://habrahabr.ru/post/210656/)
* [Основы HTTP](http://habrahabr.ru/post/215117/)
* [HTTPS](https://en.wikipedia.org/wiki/HTTPS)
* [IP, TCP, HTTP In Depth](http://www.objc.io/issues/10-syncing-data/ip-tcp-http/)
* [Как работает DNS](http://habrahabr.ru/post/137587/)
* [Что такое URI, URL, URN](http://habrahabr.ru/post/190154/)
* [HTML Introduction](https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/Introduction)
* [DOM Introduction](https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model/Introduction)
* [CSS Introduction](https://msdn.microsoft.com/en-us/library/240ww6sz(v=vs.80).aspx)
* [JavaScript Introduction](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Introduction)
* [AJAX Introduction](http://habrahabr.ru/post/14246/)
* [WebSockets Introduction](http://blog.teamtreehouse.com/an-introduction-to-websockets)
* [Описание архитектуры клиент-сервер](http://www.4stud.info/networking/lecture5.html)
* [Толстый / тонкий клиент](http://www.mightybytes.com/blog/going_mobile_thick_or_thin_client/)
* [SPA Introduction](http://www.slideshare.net/kmstechnology/introduction-to-single-page-application)
* [SPA: a deeper look](http://singlepageappbook.com/goal.html)
* [Responsive Web Design Introduction](http://www.smashingmagazine.com/2011/01/12/guidelines-for-responsive-web-design/)
* [Что на самом деле происходит, когда пользователь вбивает в браузер адрес google.com](http://habrahabr.ru/company/htmlacademy/blog/254825/)