# **Servlet**

<http://www.runoob.com/servlet/servlet-first-example.html>

<http://www.runoob.com/servlet/servlet-form-data.html>

**JSP**

// ProductServlet.java

// products.jsp

**Thymeleaf**

<https://www.thymeleaf.org/>

**Java Html Template**

<https://www.baeldung.com/spring-template-engines>

**SSR**

**SSR的优缺点**

* 更好的SEO；
* 充分利用服务器计算能力，比破手机上用JS渲染更快；
* 适合首屏直出（不用等JS加载完成即可见页面元素）；

**优化实践**

<http://taobaofed.org/blog/2015/12/17/seller-bigpipe/>

**资料推荐：**

[《Head First Servlets & JSP》](https://book.douban.com/subject/1942934/)

《[How Tomcat Works](https://book.douban.com/subject/1943128/)》

《[看透Spring MVC](https://book.douban.com/subject/26696099/)》

《[HTTP权威指南](https://book.douban.com/subject/10746113/)》

[《Web性能权威指南》](https://book.douban.com/subject/25856314/)

**Ajax**

// ajax.html

// x-jquery-tmpl.html

**Javascript Html Template**

<https://colorlib.com/wp/top-templating-engines-for-javascript/>

**Ajax的优缺点**

* 局部刷新、增删改等场景下用户体验很好
* Not respect to browser&url
* Not friendly to SEO
* 首屏加载不够快
* 单个页面Ajax太多时，手机环境下性能有瓶颈

**Pushstate + Ajax (pjax)**

// pjax.html (csr)

**CSR vs SSR**

CSR not support SEO, because crawler not wait until AJAX complete.

**Another method...**

<https://developer.mozilla.org/en-US/docs/Web/Events/hashchange>

**So..., does this make you think of VUE?**

Keep-alive

<https://cn.vuejs.org/v2/guide/components-dynamic-async.html>

History mode router

<https://router.vuejs.org/zh/guide/essentials/history-mode.html>

**VUE的优缺点**

* 代码模块化
* SPA的优点
* MVVM的优点
* Ajax的缺点

**VUE们是如何诞生的？**

YUI/AngularJs/Backbone/React...

Javascript + ajax + template => MVC => MVP => MVVM

**资料推荐：**

[《现代前端技术解析》](https://book.douban.com/subject/27021790/)

**附：前端技术名词分组**

CSS辅助：

Less/sass/pass/postcss

JS辅助：

Jquery/typescript/babel

JS模块化：

Commonjs/AMD/CMD/ES6/Seajs

<http://www.ruanyifeng.com/blog/2012/10/javascript_module.html>

<https://zhuanlan.zhihu.com/p/22890374>

框架：

YUI/AngularJs/Backbone/React/VUE

构建工具：

Webpack/gulp/grunt/fis3/rollup

<https://juejin.im/entry/5ae5c8c9f265da0b9f400d8e>

语法检查：

Eslint/csslint

测试：

Webdriver/nightwatchjs