

# Frameworks

# Required Features

OSS	Open Source Software (GPL, MIT, BSD) (Free, inspect and extend source, Community)
Template Engine	RWD, (Web-)Components
Scaffolding (bootstrapping)	MVC, SPA
Translations	Internationalisation (l18n), localisation (l10n)
Testing	Unit Tests, UI Tests, Integration Tests, ...
PWA	Partial Page Refresh, AJAX, Offline ReSTful web service endpoints

# Selected Features

<b>Performance</b>	Caching, Scalable, Content Delivery Network
<b>Migrate to Mobile Apps</b>	Embed into Android/iOS WebView
<b>Real-time</b>	Web Socket Connections, Video Chats
<b>Cloud + Sync</b>	Hosted in the Cloud Push Notifications
<b>Server Aspects</b>	Database access (O/R-M)
<b>SWE, Coding, CI, CD</b>	Development lifecycle, Extensibility/Plugins, Integration to company environment
<b>Programming Language</b>	Same Language on Client and Server Agile vs. Stable ;)

# Forgotten Features

Security	Input validation, prevent remote code execution
Security	XSS protection
Security	CSRF protection
Security	SQL injection protection
Security	Clickjacking
....	...
Privacy	?

# Selected Paradigms

Abbreviation	Paradigm	Description
DRY	Don't Repeat Yourself	Place Logic in ONE place only.
CoC	Convention over Configuration	Use conventions to avoid too much of XML configuration or code annotation.
MVC	Model View Controller (and MVVP, ...)	Separate Layout (Presentation) from Code (Logic)

# Frameworks compared

Focus Server	Focus WebApp	Front-end Libraries
Django, Flask (Py)	Angular JS	React JS
Spring, Play (Java)	Vue.js	JQuery
Laravel, Symfony (PHP)	Ember	Werkzeug (Python)
Rails (Ruby)	Backbone	
Express (Node.js)		

# Frameworks

**Angular JS**

# Angular JS

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# Frameworks

**React**

# React

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E.g. Bootstrapping

<https://github.com/facebook/create-react-app>

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# Frameworks

**Vue.js**

# Vue.js

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