





Model (Daten)

```
graph LR; A[Model (Daten)] --- B[Client-Server- Kommunikation (REST, json)]; A --- C[Server: Symfony und Java-Backend]; A --- D[Datenbanken]; A --- E[Caching (Daten-Requests)]; D --- F[Indizierung (SOLR)]; D --- G[X Persistenz]; B --- H[Microservices]
```

Client-Server- Kommunikation
(REST, json)

Microservices

Server: Symfony und
Java-Backend

Datenbanken

Indizierung (SOLR)

X Persistenz

Caching (Daten-Requests)

DOM

Templates(= > Serienbrief),
Template-Engine

HTML5

Barrierefreiheit

Media Queries

Responsive Design

X Grid

X SASS

CSS

Bitmap vs. Vektorgrafik, SVG

Resources (Bilder, Musik,
Videos)

Rad nicht neu erfinden

Module, Abhängigkeiten und
Versionen (npm)

Libraries (z.B. jQuery)

Precompiling (gulp,
browserify)

Javascript

X Frameworks => Schnelle
DOM-Operationen

X Frameworks => MVC im Browser
Angular2

X TypeScript

**View (GUI / UX /
Darstellungslogik)**

Browser-Besonderheiten, z.B.
IE

Styleguide, am besten
dynamisch (z.B Patternlab2)

Caching und Cachebusting

Performance

Dateigrößen

Software oder App statt
Browser

Controller

```
graph LR; Controller[Controller] --- Session[Session]; Controller --- Permissions[Permissions]; Controller --- Routing[Routing (URLs)]; Controller --- Requests[Requests]; Controller --- Caching[Caching (Seiten)]; Requests --- Seite[Seite]; Requests --- AJAX[Innerhalb (AJAX)]; AJAX --- MVC[Model- View- Controller- Clientside];
```

Session

Permissions

Routing (URLs)

Seite

Requests

Innerhalb (AJAX)

Model- View- Controller-
Clientside

Caching (Seiten)

Deployment

```
graph LR; Deployment --- VV["Verteilte Versionsverwaltung (git)"]; Deployment --- BP["Build-Prozess (gulp, maven, scripting)"]; Deployment --- DP["Deploybare Pakete"]; Deployment --- CD["Continuous Delivery (Jenkins)"];
```

Verteilte Versionsverwaltung
(git)

Build-Prozess (gulp, maven,
scripting)

Deploybare Pakete

Continuous Delivery (Jenkins)

TCP/IP

Domain Name Server

HTTP HTTPS HTTP2

Webserver ServletContainer
ApplicationServer

Netzwerk

Web2Web

```
graph LR; Web2Web --- SEO[SEO (Verlinkung, Content, Linkjuice)]; Web2Web --- Tracking[Tracking]; Web2Web --- DW[Data Warehouse]; Web2Web --- AB[AB-Tests]; Tracking --- GA[Google Analytics, Webtrekk, etc.]; AB --- MM[Maxymiser, etc.]
```

SEO (Verlinkung, Content, Linkjuice)

Tracking

Google Analytics, Webtrekk, etc.

Data Warehouse

AB-Tests

Maxymiser, etc.

UnitTests

Integrationstests und
API-Tests

GUI-Tests

Manuelle Tests

Testing

```
graph LR; Testing((Testing)) --- UnitTests[UnitTests]; Testing --- IntegrationstestsundAPI[Integrationstests und API-Tests]; Testing --- GUI[GUI-Tests]; Testing --- ManuelleTests[Manuelle Tests]; Testing --- IntegrationstestsundAPI2[Integrationstests und API-Tests];
```