

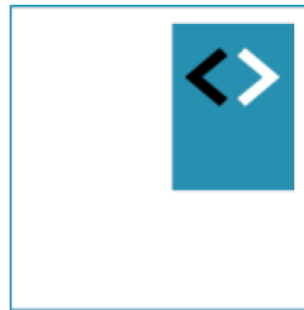


Ministerie van Defensie

Crossplatform Mobile Apps

Module 3 – Framework 7

Components



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Framework 7 - Components

The image displays the Framework7 website and its mobile application interface. The website has an orange background with the Framework7 logo (a red circle with a white '7') and the text "Full featured HTML framework for building iOS & Android apps". It includes "Download" and "Get Started" buttons, a navigation bar with "Docs", "Templates", "Apps Showcase", and "Forum", and a PhpStorm advertisement. The mobile app interface, shown on a smartphone, features a hamburger menu, a search icon, and a list of components: About Framework7, Accordion, Action Sheet, Autocomplete, Badge, Buttons, Calendar / Date Picker, Cards, and Checkbox. The app also shows the status bar with "BELL", "4:21 PM", and "100%" battery.

Framework7

Full featured HTML framework
for building iOS & Android apps

Download Get Started

Docs Templates Apps Showcase Forum

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12,933 stars 2,781 forks Support Framework7

iOS MD

Framework7

About Framework7

COMPONENTS

Accordion

Action Sheet

Autocomplete

Badge

Buttons

Calendar / Date Picker

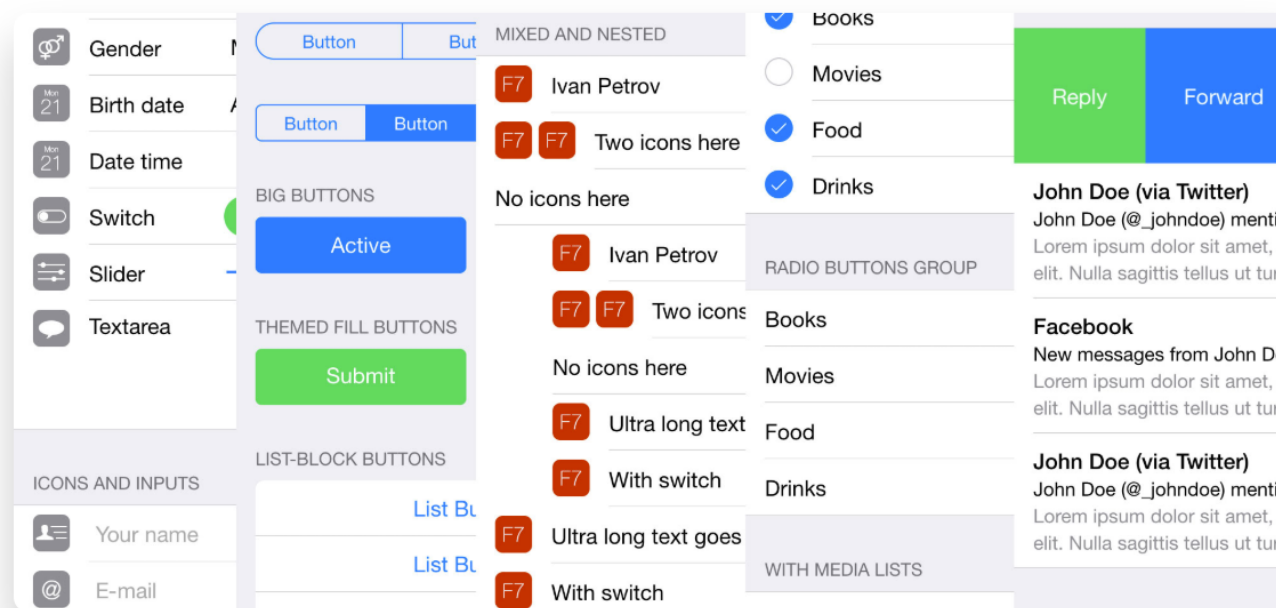
Cards

Checkbox

Grote variëteit in componenten

UI Components

Framework7 comes with a bunch of ready to use UI elements and widgets like modals, popup, action sheet, popover, list views, media lists, tabs, side panels, layout grid, preloader (activity indicator), form elements, etc. The awesome point is that you don't need JavaScript at all for the most of mentioned widgets.



In de documentatie...

Search

Router API

Components

App / Core

Accordion / Collapsible

Action Sheet / Actions

Autocomplete

Badge

Block / Content Block

Button

Calendar / Datepicker

Cards

Checkbox

Chips / Tags

Contacts List

Data Table

Dialog

Elevation

Floating Action Button / FAB

Form Data / Storage

Gauge

Grid / Layout Grid

Icons

Infinite Scroll

Inputs / Form Inputs

Lazy Load

Link

Button layout is pretty simple. Just add `button` class to links or submit/button inputs:

```
<!-- link as button -->
<a class="button">Button</a>

<!-- <button> as button -->
<button class="button">Button</button>

<!-- <input type="submit"> as button -->
<input type="submit" class="button" value="Button">
```

Button Modifier Classes

There is a variety of different buttons in Framework7. Different button styles achieved by additional modifier classes

<code>button-fill</code>	Filled-style button
<code>button-fill-ios</code>	Button will have filled-style only in iOS theme
<code>button-fill-md</code>	Button will have filled-style only in MD theme
<code>button-round</code>	Rounded button
<code>button-round-ios</code>	Button will be rounded only in iOS theme
<code>button-round-md</code>	Button will be rounded only in MD theme
<code>button-small</code>	Small button
<code>button-small-ios</code>	Button will be small only in iOS theme
<code>button-small-md</code>	Button will be small only in MD theme
<code>button-big</code>	Big button
<code>button-big-ios</code>	Button will be big only in iOS theme

Algemene werkwijze

- Meestal: net zoals Bootstrap: classes toevoegen voor toepassen van lay-out-kenmerken
- **Passieve componenten**
 - ...hebben alleen maar CSS nodig voor opmaak:
 - Button
 - List View
 - Card
 - En meer...
- **Actieve componenten**
 - ...hebben JavaScript nodig om te kunnen werken
 - Popover
 - Dialog
 - Action Sheet
 - En meer...

Component Button

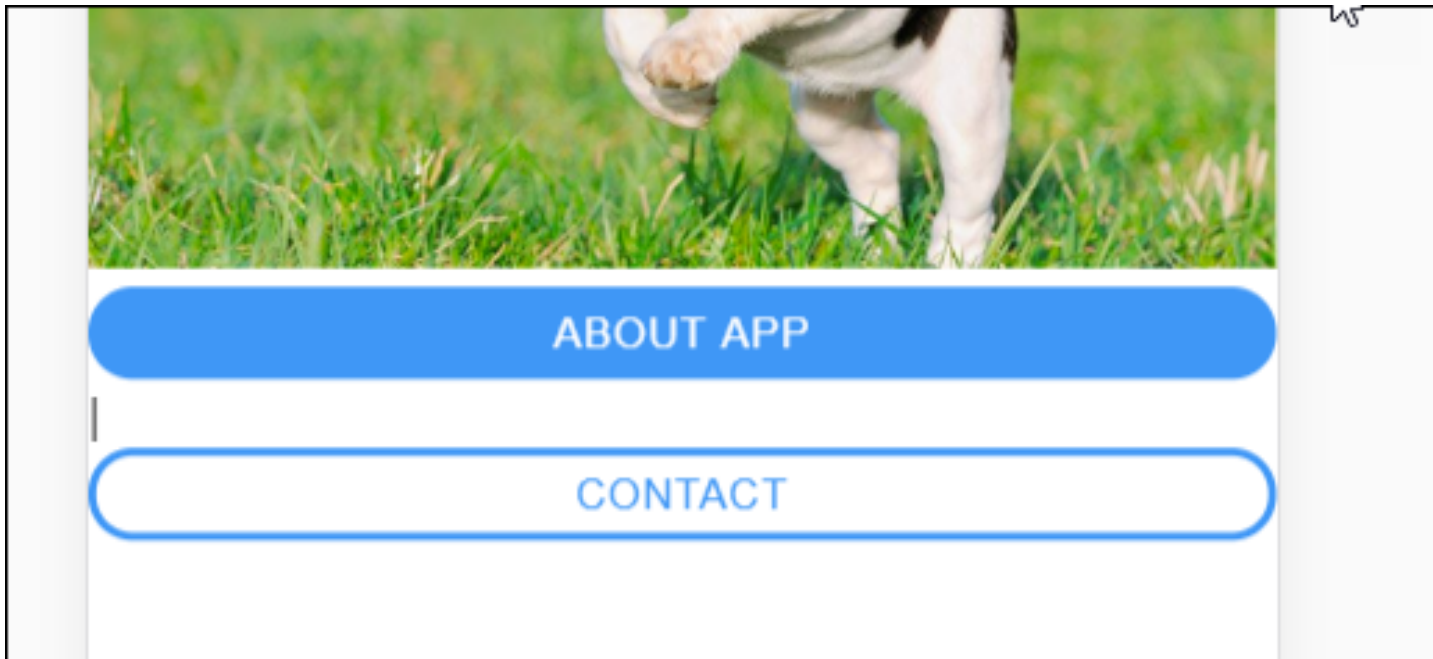
- Gebruik `class="button"` voor
 - Hyperlinks (`<a href>`)
 - Knoppen (`<button>`)
 - Invoervelden (`<input type="button">`)
- Tal van varianten
 - `button-fill`
 - `button-round`
 - `button-small`
 - `button-raised`
 - enzovoort

<https://framework7.io/docs/button.html>

<code>button-fill</code>	Filled-style button
<code>button-fill-ios</code>	Button will have filled-style only in iOS theme
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<code>button-round-md</code>	Button will be rounded only in MD theme
<code>button-small</code>	Small button
<code>button-small-ios</code>	Button will be small only in iOS theme
<code>button-small-md</code>	Button will be small only in MD theme
<code>button-big</code>	Big button

```
<a class="button button-small button-fill button-round" href="/about/">About app</a>
```

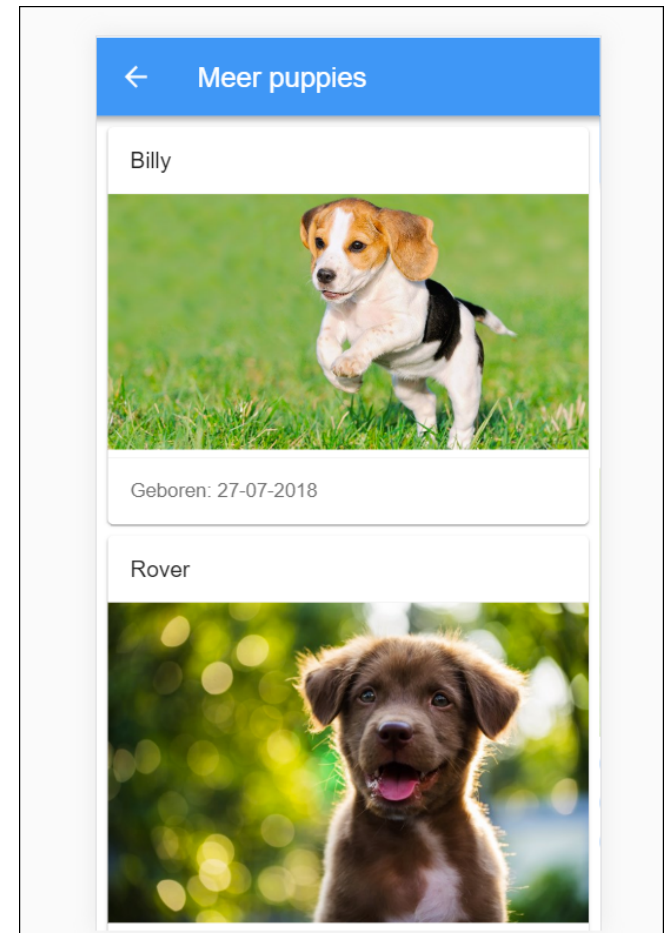
```
<a class="button button-small button-outline button-round" href="/contact/">Contact</a>
```



Component Card

- Voor groeperen van informatie in visitekaartjes-lay-out.
 - Desgewenst met header, footer en (altijd) inhoud
 - `Class="card"`
 - Overige `card-*` classes

```
<div class="card">  
  <div class="card-header">Header</div>  
  <div class="card-content">  
    <!-- Card content -->  
  </div>  
  <div class="card-footer">Footer</div>  
</div>
```



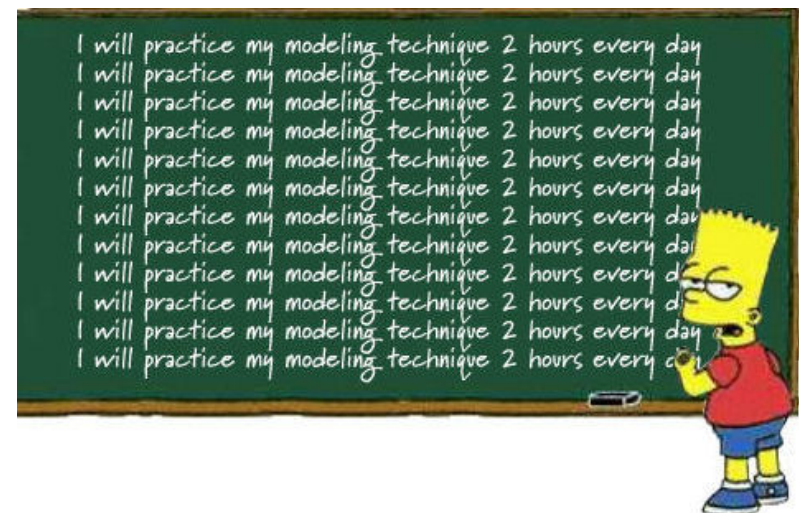
Meer passieve componenten

- Badge
- Block (gebruik om extra witruimte te creëren!)
- Checkbox
- Chip
- Data Table
- List View
- Tabs

Lees altijd de documentatie en kopieer/plak voorbeelden om zelf mee te oefenen.

Oefeningen

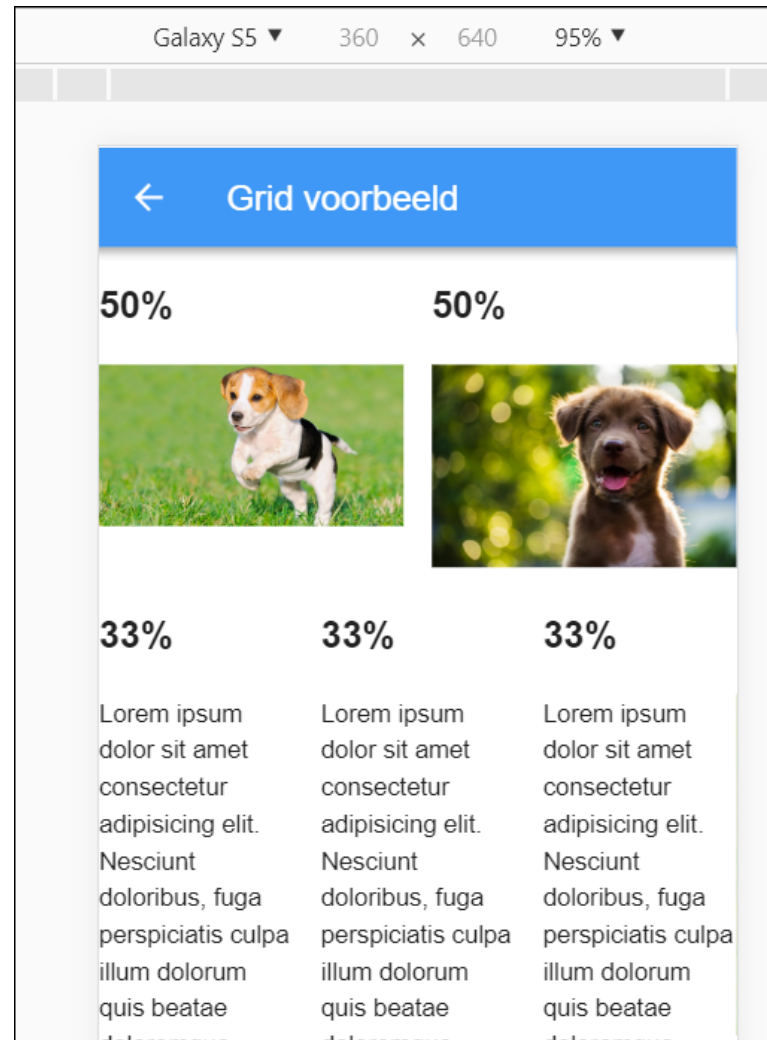
- Maak nieuwe pagina met content en componenten
 - Buttons
 - Block
 - Card, etc.
- Zie documentatie voor voorbeelden
- Gebruik nu nog alleen *statische* componenten



Lay-out : Grid component

Grid component : om rijen en kolommen toe te voegen

```
<div class="row">  
  <div class="col-*">  
    ...  
  </div>  
</div>
```



Rijen en kolommen

- *Anders* dan Bootstrap: geen verdeling in 12 kolommen
- Verdeling in percentages:
 - 5%, 10%, 15%, enzovoort.
 - Geen marge tussen rijen/kolommen? Gebruik `class="row no-gap"`
- Voor tablet en desktop, gebruik `class="tablet-*` en `class="desktop-*`

Column Sizes			
The following columns size are available:			
Class	Tablet Class width >= 768px	Desktop Class width >= 1025px	Width
col-5	tablet-5	desktop-5	5%
col-10	tablet-10	desktop-10	10%
col-15	tablet-15	desktop-15	15%
col-20	tablet-20	desktop-20	20%
col-25	tablet-25	desktop-25	25%

Toegestaan – geneste rijen/kolommen

```
<div class="block-title">Nested</div>
<div class="block">
  <div class="row">
    <div class="col">50% (.col)
      <div class="row">
        <div class="col">50% (.col)</div>
        <div class="col">50% (.col)</div>
      </div>
    </div>
  </div>
  <div class="col">50% (.col)
    <div class="row">
      <div class="col-33">33% (.col-33)</div>
      <div class="col-66">66% (.col-66)</div>
    </div>
  </div>
</div>
```

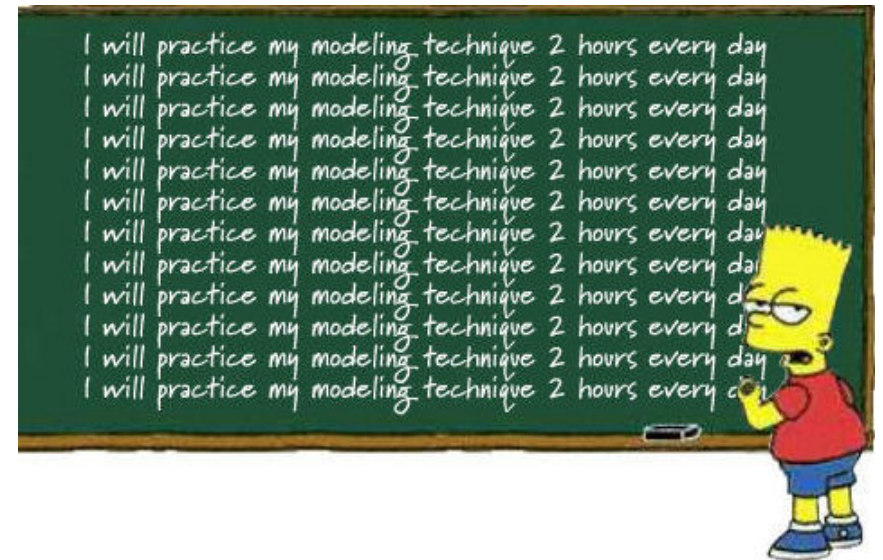
Genest

Responsive

```
<div class="block-title">Responsive Grid</div>
<div class="block">
  <p>Grid cells have different size on Phone/Tablet</p>
  <div class="row">
    <div class="col-100 tablet-50">.col-100.tablet-50</div>
    <div class="col-100 tablet-50">.col-100.tablet-50</div>
  </div>
  <div class="row">
    <div class="col-50 tablet-25">.col-50.tablet-25</div>
    <div class="col-50 tablet-25">.col-50.tablet-25</div>
    <div class="col-50 tablet-25">.col-50.tablet-25</div>
    <div class="col-50 tablet-25">.col-50.tablet-25</div>
  </div>
  <div class="row">
    <div class="col-100 tablet-40">.col-100.tablet-40</div>
    <div class="col-50 tablet-60">.col-50.tablet-60</div>
    <div class="col-50 tablet-66">.col-50.tablet-66</div>
    <div class="col-100 tablet-33">.col-100.tablet-33</div>
  </div>
</div>
```

Oefening

- Maak een nieuwe pagina, met drie rijen:
 - De bovenste rij heeft een verdeling van 50/50%
 - De middelste rij heeft een verdeling van 33/33/33%
 - De onderste rij is 100% breed
- Plaats zelf inhoud
- Check hoe de pagina er uitziet op verschillende devices



Dynamische componenten

- Altijd: in combinatie met JavaScript
- Je maakt dan als het ware zelf componenten, met de tag `<template>`
- Daarna schrijf je script om de component te programmeren
- Krachtig, flexibel, maar heel lastig!
- Doen we later nog...

