



WEB ENGINEERING

EINFÜHRUNG BOOTSTRAP

- CSS-Frameworks
- Bootstrap
- UI-Komponenten



CSS is complex and hard to write



Learning from mistakes is painful

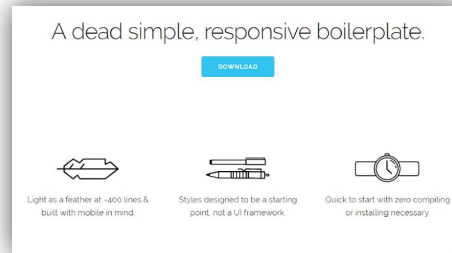


We are no designers

HTML5 BOILERPLATE



SKELETON



BOOTSTRAP





12 Column Grid Layout



Responsiveness



CSS Normalization



Pretty HTML Elements



UI Components

- Buttons
- Collapse
- Card
- Carousel
- Jumbotrons
- Tooltips
- etc.

```
<head>
```

```
<!-- Bootstrap CSS -->
```

```
<link rel="stylesheet" href="https://... bootstrap.min.css">
```

```
</head>
```

```
<body>
```

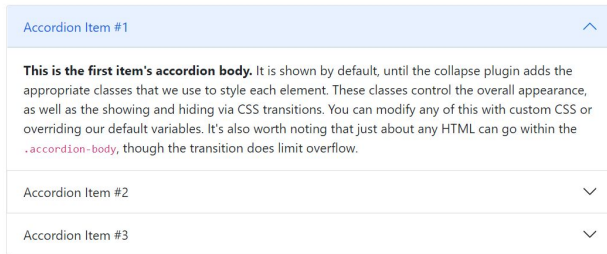
```
<!-- CONTENT -->
```

```
<!-- Bootstrap JS bundle -->
```

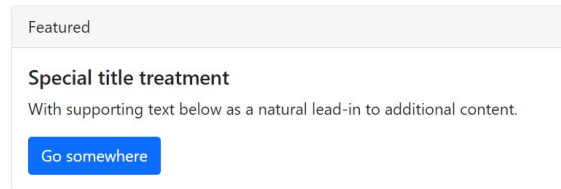
```
<script src="https://... bootstrap.bundle.min.js"></script>
```

```
</body>
```

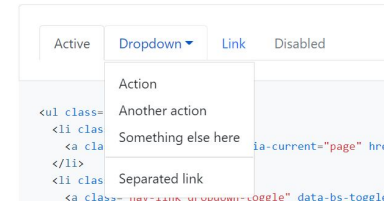
Accordions



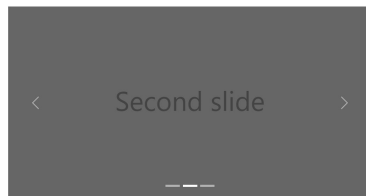
Cards



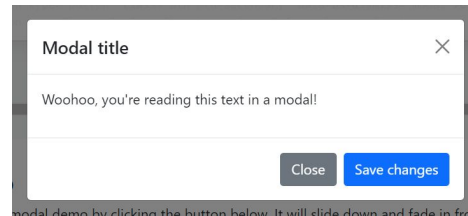
Navigation



Carousels



Modals



Placeholders

