



# WEB ENGINEERING

## EINFÜHRUNG BOOTSTRAP

- CSS-Frameworks
- Bootstrap
- UI-Komponenten



CSS is complex and hard to write



Learning from mistakes is painful

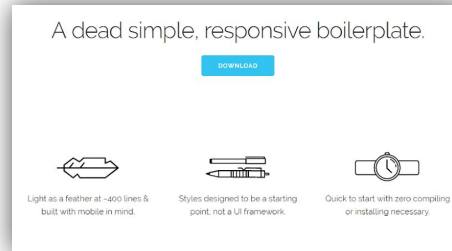


We are no designers

### 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>

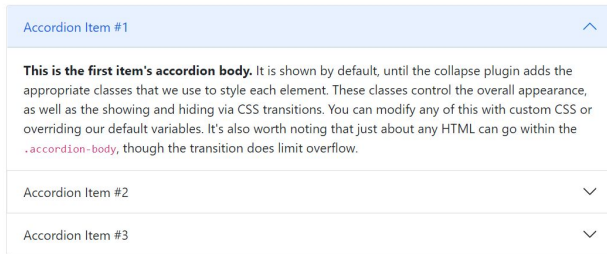
```
<!-- CONTENT -->
```

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

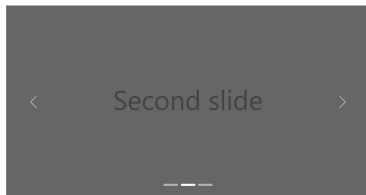
```
<script src="https://... bootstrap.bundle.min.js"></script>
```

</body>

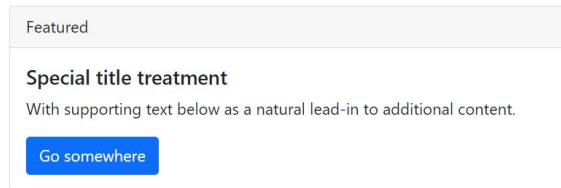
## Accordions



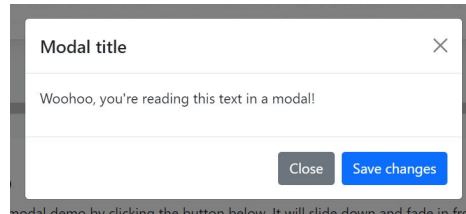
## Carousels



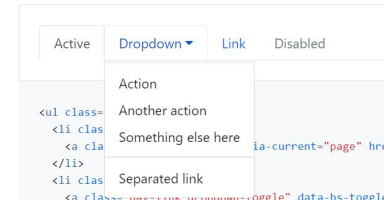
## Cards



## Modals



## Navigation



## Placeholders

