

HTML i CSS

Predavanje 4

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Sadržaj

- **Bootstrap v4 layout**
- **Flexbox layout**

Bootstrap

- najpopularniji HTML, CSS i JS framework za razvoj responsive, mobile-first web stranica.
- čini front-end web razvoj brži i lakši
- jednostavno i učinkovito skalira web stranicu i programe sa jednim baznim kodom, od telefona do tableta i stolnih računala s CSS media queries
- open source

Zašto koristiti Bootstrap ?

Prednosti Bootstrap-a:

- Jednostavan za uporabu
- Responsive karakteristike
- Mobil-first pristup
- Kompatibilnost browsera

Kako uključiti Bootstrap?

Postoji više načina kako početi koristiti Bootstrap na web stranicama:

- preuzimanje Bootstrap-a sa getbootstrap.com
- uključiti Bootstrap iz CDN-a([click here](#))
- `npm install bootstrap`

Kako napraviti prvu web stranicu sa Bootstrap-om?

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
  <title></title>
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>
</body>
</html>
```

2. Bootstrap je mobile-first

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

3. Containers

Bootstrap zahtjeva element koji obuhvata sadržaj stranice.

.container - automatski mjenja max-width u odnosu na breakpoint-e

.container-fluid - uvijek ima max-width:100%;

Responsive breakpoints - #documentation

```
// Extra small devices (portrait phones, less than  
576px)  
// No media query for `xs` since this is the default in  
Bootstrap
```

```
// Small devices (landscape phones, 576px and up)  
@media (min-width: 576px) { ... } //sm
```

```
// Medium devices (tablets, 768px and up)  
@media (min-width: 768px) { ... } //md
```

```
// Large devices (desktops, 992px and up)  
@media (min-width: 992px) { ... } //lg
```

```
// Extra large devices (large desktops, 1200px and  
up)  
@media (min-width: 1200px) { ... } //xl
```

```
// Extra small devices (portrait phones, less than  
576px)
```

```
@media (max-width: 575.98px) { ... } //xs
```

```
// Small devices (landscape phones, less than 768px)  
@media (max-width: 767.98px) { ... } //sm
```

```
// Medium devices (tablets, less than 992px)  
@media (max-width: 991.98px) { ... } //md
```

```
// Large devices (desktops, less than 1200px)  
@media (max-width: 1199.98px) { ... } //lg
```





```
// Extra large devices (large desktops)  
// No media query since the extra-large breakpoint  
has no upper bound on its width
```


Grid #documentation

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
Max container width	None (auto)	540px	720px	960px	1140px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-
# of columns	12				
Gutter width	30px (15px on each side of a column)				
Nestable	Yes				
Column ordering	Yes				

Flexbox layout

Omogućuje efikasniju manipulaciju sa elementima: [#documentation](#)

-  Display:flex (.d-flex)
-  Problem vertikalnog poravnavanja
-  Dinamička visina i širina elemenata
-  Redoslijed elemenata

Flexbox layout

Parent svojstva:

- ❑ flex-direction
- ❑ flex-wrap
- ❑ justify-content
- ❑ align-items
- ❑ align-content

Child svojstva:

- ❑ order
- ❑ flex-grow
- ❑ flex-shrink
- ❑ flex-basis
- ❑ align-self

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THANK YOU
for attention