

Web dasturlashga kirish

Ma'ruzachi: Zohidov Jahongir

5-Ma'ruza: CSS xususiyatlari. CSS da sahifalash

- CSS ning asosiy xususiyatlari
- CSS da sahifalash
- CSS da menyular hosil qilish

CSS dagi asosiy xususiyatlari

- Orqa fon xususiyatlari (background)
- Yozuv xususiyatlari (text)
- Chegara xususiyatlari (border)
- Joylashuv xususiyatlari (box-model)

Orqa fon xususiyatlari

(background properties)

- **background-color** - orqa fon rangi
- **background-image** - orqa fonga tasvir joylashtirish
- **background-repeat** - orqa fon tasvirining takrorlanish yoki takrorlanmasligi
- **background-attachment** - orqa fon tasvirining browser masshtabiga muvofiqligi
- **background-position** - orqa fon rasmining browserdagi joylashuv ko'rinishi

background-color

Istalgan turdagi elementning orqa fon rangini o'zgartirish uchun ishlatiladigan xususiyatdir.

```
h1 {  
    background-color: green;  
}  
  
div {  
    background-color: lightblue;  
}  
body {  
    background-color: yellow;  
}
```

background-image

Sahifa orqa foni uchun rasm yoki biror tasvirni joylashtirish xususiyatidir.

```
body{  
    background-image: url("G:\\myCar.jpg");  
}  
h1{  
    color: lightblue;  
}
```

background-repeat

Orqa fondagi rasm yoki tasvirni o'lchami bo'yicha takrorlanib joylashishini ta'minlovchi xususiyat

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: repeat-x;  
}
```

repeat-x: rasmning ekran bo'yicha gorizontal takrorlanishini ta'minlaydi

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: repeat-y;  
}
```

repeat-y: rasmning ekran bo'yicha vertikal takrorlanishini ta'minlaydi

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: no-repeat;  
}
```

no-repeat: rasmning takrorlanmasdan ekran bo'yicha joylashishini ta'minlaydi

background-position

Orqa fondagi rasm yoki tasvirni brauzer oynasining aynan qaysi joyida joylashuvini ta'minlovchi xususiyat.

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: no-repeat;  
    background-position: right top;  
}
```

right top: rasmni yuqori o'ng burchakda joylashtirish

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: no-repeat;  
    background-position: left top;  
}
```

left top: rasmni yuqori chap burchakda joylashtirish

```
body{  
    background-image: url("G:\\doppix.jpg");  
    background-repeat: no-repeat;  
    background-position: top;  
}
```

top: rasmni yuqori markazda joylashtirish

Yozuv xususiyatlari (text properties)

- **color** - yozuv rangi
- **font-size** - yozuv o'lchami
- **font-family** - yozuv shrift turi
- **text-align** - yozuv joylashuv o'rni (**right** - o'ngdan, **left**-chapdan, **center**-o'rtadan, **justify** - ikkala tomondan ham tartiblangan yozuv)
- **text-decoration** - yozuvga bezak berish (**underline** - tagchiziqli yozuv, **overline**-tepa chiziqli yozuv, **linethrough** - chiziq yozuv ustidan o'tishi)
- **text-transform** - yozuv harflarining katta-kichikligi (**uppercase** - katta harfli yozuvlar, **lowercase** - kichik harfli yozuvlar, **capitalize** - faqat bosh harfi katta yozuvlar).
- **text-indent** - yozuv birinchi qatorining ekran yoki boshqa elementdan uzoqlashuvi
- **letter-spacing** - yozuv harflari orasidagi o'zaro masofani o'zgartirish
- **line-height** - yozuv va pastki qator yozulari orasidagi o'zaro masofani o'zgartirish
- **direction** - yozuvning qaysi tomonga yo'nalganligi (**rtl** - o'ngdan chapga, **ltr** - chapdan o'ngga)
- **word-spacing** - yozuvlar oraliq'idagi o'zaro masofani o'zgartirish

```
p{
  color: blue;
  font-size: 20px;
  font-family: Papyrus;
  text-align: justify;
  text-decoration: underline;
  text-indent: 50px;
}
```

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Lorem ipsum dolor sit amet, consectetur adipisicing elit.

Maxime, sapiente tempore rem obcaecati repudiandae nostrum

molestias illo adipisci. Id molestias veniam distinctio inventore

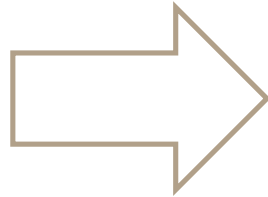
consequuntur impedit aut eos quas. Possimus, provident.

Chegara xususiyatlari

(border properties)

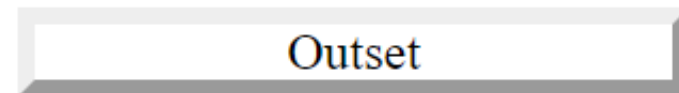
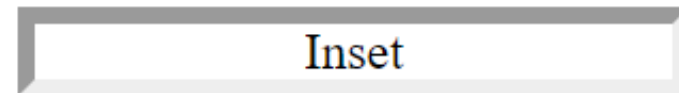
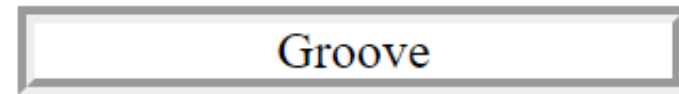
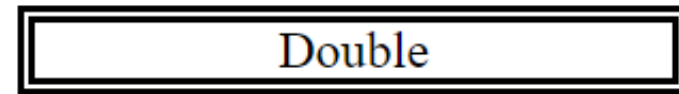
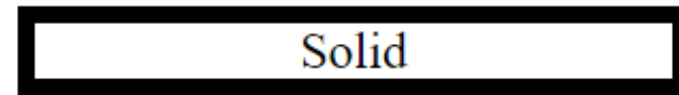
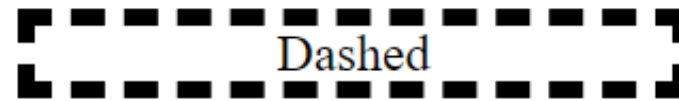
- **border-color** - elementning chegara chizig'i rangi
- **border-style** - element chegara chizig'i turi
- **border-width** - elementning chegara chiziq qalinligi
- **border-radius** - element chegarasining radiusi

```
div{  
  border-color: red;  
  border-style: dotted;  
  border-width: 5px;  
}
```



border-styles

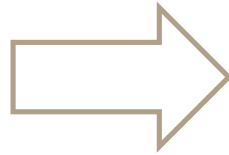
- `border-style: dotted;`
- `border-style: dashed;`
- `border-style: solid;`
- `border-style: double;`
- `border-style: groove;`
- `border-style: ridge;`
- `border-style: inset;`
- `border-style: outset;`
- `border-style: none;`
- `border-style: hidden;`



None
Hidden

border-radius

```
div{  
  border-color: black;  
  border-width: 1px;  
  border-style: solid;  
  border-radius: 10px;  
}
```



```
div{  
  border-color: black;  
  border-width: 1px;  
  border-style: solid;  
  border-radius: 50px;  
}
```



Elementlarning o'zaro joylashuv xususiyatlari (box-model)

Har bir elementning boshqa elementlari bilan o'zaro joylashuvi, shuningdek aynan shu elementning subelementi ya'ni ichki elementlari bilan o'zaro joylashuvi, ular orasidagi masofa, elementning balandligi va kengligini ifodalovchi xususiyatlarga quyidagilar kiradi:

margin: element va tashqi soha, tashqi maydon, tashqi element orasidagi o'zaro masofa

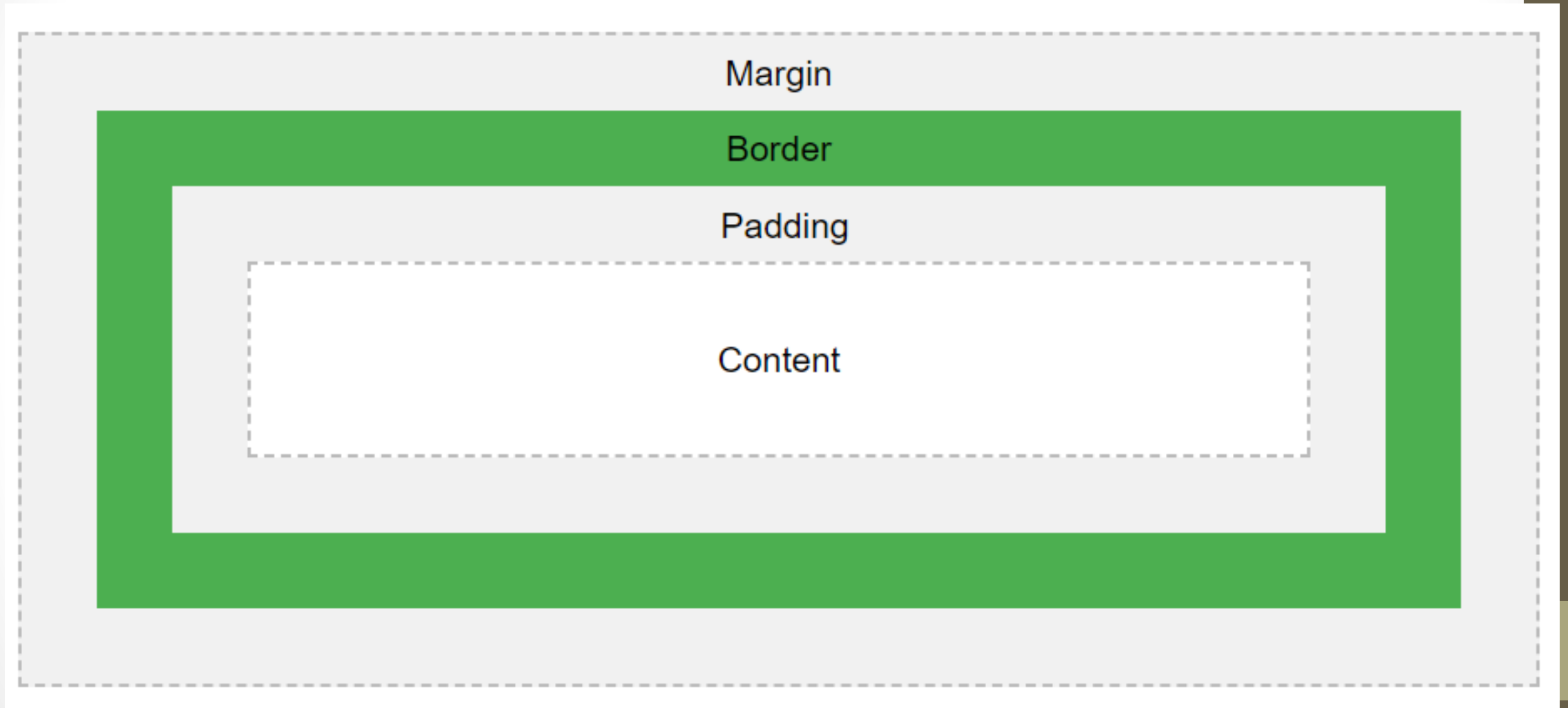
padding: bitta element ichida joylashgan boshqa elementlar orasidagi o'zaro masofasi

height: element balandligi;

width: elementning kengligi.

border: elementning chegarasi (oldingi slaydlarda chegaralar xususiyatlari keltirilgan)

box-model



height / width

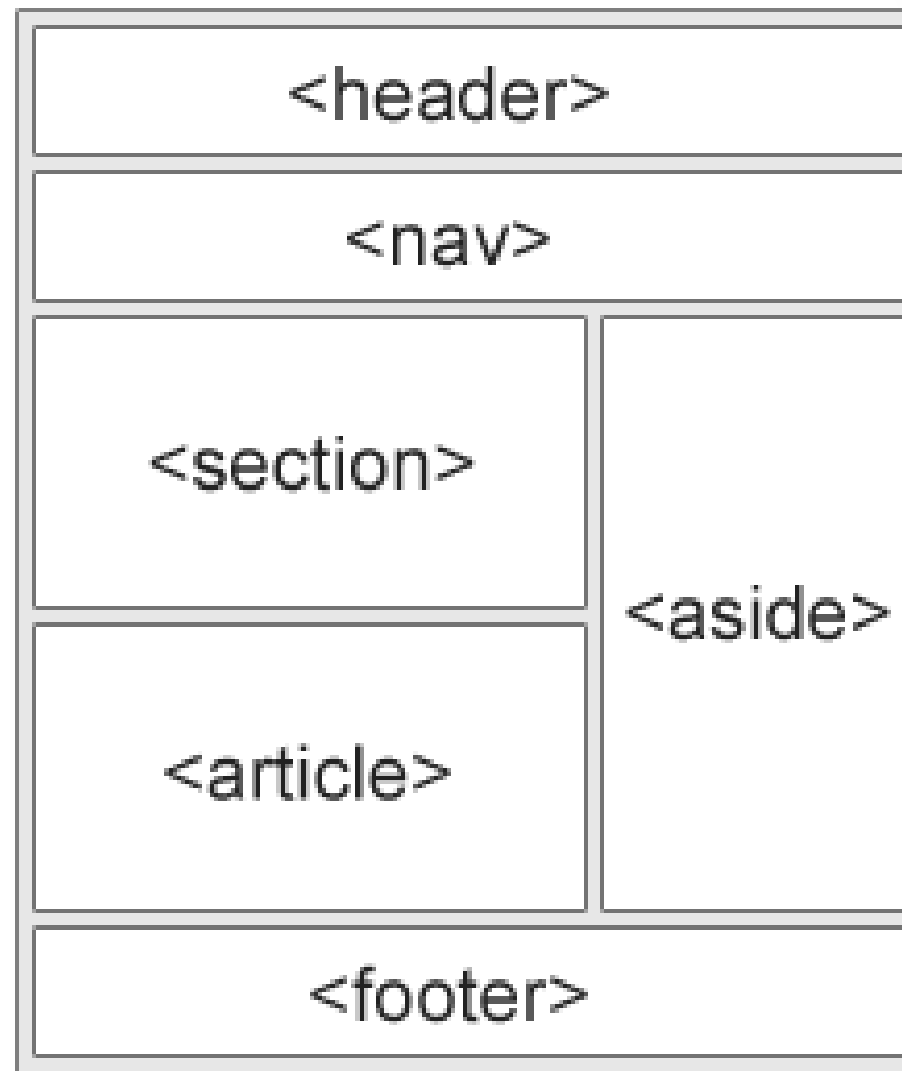
```
div{  
  padding: 10px;  
  height: 50px;  
  width: 150px;  
  border-color: black;  
  border-style: solid;  
}
```



Eni 150px balandligi
50px bo'lgan blok!!!

CSS da sahifalash

HTML va CSS yordamida sahifani turli qismlarga bo'lish va sahifalash uchun HTML5 da mavjud bo'lgan yangi semantik elementlardan foydalaniladi.



```

body{
    margin: 0;
}
header{
    background-color:green;
    color:white;
    text-align:center;
    padding:20px;
    font-family: Papyrus;
}
nav{
    line-height:30px;
    background-color:#eeeeee;
    height:500px;
    width:200px;
    float:left;
    padding:5px;
}
section{
    width:auto;
    float:left;
    padding:10px;
}

```

```

footer{
    background-color:green;
    color:white;
    clear:both;
    text-align:center;
    padding:5px;
}
p{
    display: block;
}
p:hover{
    background-color: green;
    color: white;
    cursor: pointer;
}
</style>
</head>
<body>
    <header>TATU Qarshi filali KI fakulteti!!!</header>
    <nav>
        <p>ATS 11-18</p>
        <p>KI 11-18</p>
        <p>KI 12-18</p>

```

CSS orqali sahifada menyular hosil qilish

Navigation bar

Navigation Bar - Menyular joylashadigan chiziqli maydon.

Navigation bar va menyular asosan tartiblanmagan ro'yxat teglari (ul) yordamida hosil qilinadi. Sahifada turli ko'rinishdagi menyularni hosil qilish mumkin. Gorizontal, Vertikal shuningdek web dizaynerning ijodiy salohiyatidan kelib chiqib animatsion, slaydli, multimediyali ko'rinishdagi menyular ni ham HTML+CSS+JavaScript tillarining hamkorligida yaratish mumkin.

CSS orqali sahifada menyular hosil qilish (*Vertikal menyu*)

HTML fayli

```
sahifa.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 </head>
5 <body>
6 <h2>Vertikal menyular</h2>
7 <ul>
8   <li><a href="#home">Bosh sahifa</a></li>
9   <li><a href="#news">Yangiliklar</a></li>
10  <li><a href="#contact">Kontaktlar</a></li>
11  <li><a href="#about">Biz haqimizda</a></li>
12 </ul>
13 </body>
14 </html>
```

CSS fayli

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 200px;
  background-color: #f1f1f1;
}
li a {
  display: block;
  color: #000;
  padding: 8px 0 8px 16px;
  text-decoration: none;
}
li a:hover {
  background-color: #555;
  color: white;
}
```

CSS orqali sahifada menyular hosil qilish (*Gorizontal menyular*)

HTML fayli

sahifa.html

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<ul>
  <li><a class="active" href="#home">Home</a></li>
  <li><a href="#news">News</a></li>
  <li><a href="#contact">Contact</a></li>
  <li><a href="#about">About</a></li>
</ul>
</body>
</html>
```

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a {
  display: inline-block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover {
  background-color: #111;
}
```