

*Web-dasturlashga kirish fani  
bo'yicha elektron resurs uchun  
taqdimot materiallari*

12-Ma'ruza. Bootstrap framework  
texnologiyasi. Bazaviy shablonlarni  
sozlash. Komponentlar.

# Reja:

1. Bootstrap framework texnologiyasi.
2. Frameworkni ulash, bazaviy shablonlarni sozlash.
3. Bootstrap frameworkda tugmalar, ro'yxatlar, navigatsiya menyulari, formalar bilan ishlash.
4. Bootstrap komponentlari.

## **1. Bootstrap framework texnologiyasi.**

Bootstrapga twitterning asoschisi asos solgan va shuning uchun ham nomi twitter bootstrap deb nomlangan. Bootstrap bu sodda va oson quriladigan HTML, CSS va Javascript framework hisoblanadi. Zamonaviy, standartlashgan, qulay va tez ishlaydigan saytlarni qurishimiz uchun yordam beradi.

## Bootstrapning qulayliklari:

1. Qisqa vaqt ichida sayni va shablonlarni noldan, osongina qurish.
2. Adaptiv saytlarni va shablonlarni qurishda yengillik.
3. Aloqalarni tashkil qilishda qo'shimcha kutubxonalarning ko'pligi.
4. Tayyor CSS fayllar

Bu bootstrapning bizga kerak bo'ladigan, asosiy qulayliklari edi.

## Bootstrapning asosiy qurilmalari:

- ✓ Setkalar- bu Grid system deyiladi
- ✓ Shablonlar- feksirovanniy yoki dokumentning rezina shablони
- ✓ Tipografika- shriftlar haqida ma'lumot
- ✓ Media- rasmlar va videolarni boshqarish uchun
- ✓ Tablitsalar- tablitsalarni oformleniya qilish, ularni saralash uchun
- ✓ Formalar- faqatgina formalarni oformit qilish uchun va ular ustida ish olib boorish uchun
- ✓ Navigatsiya- Navigation bar yoki navbar deyiladi. Saytlarning yuqori qismidagi instrumentlar paneli xisoblanadi. U orqali web saytning boshqa sahifalarini ko'rishimiz mumkin.
- ✓ Alertlar- ogohlantiruvchi vosita

## 2. Frameworkni ulash, bazaviy shablonlarni sozlash.

Bootstrapning fayllar strukturası quyidagicha:

Bootstrap/

css/

bootstrap.css

bootstrap.min.css

js/

bootstrap.js

bootstrap.min.js

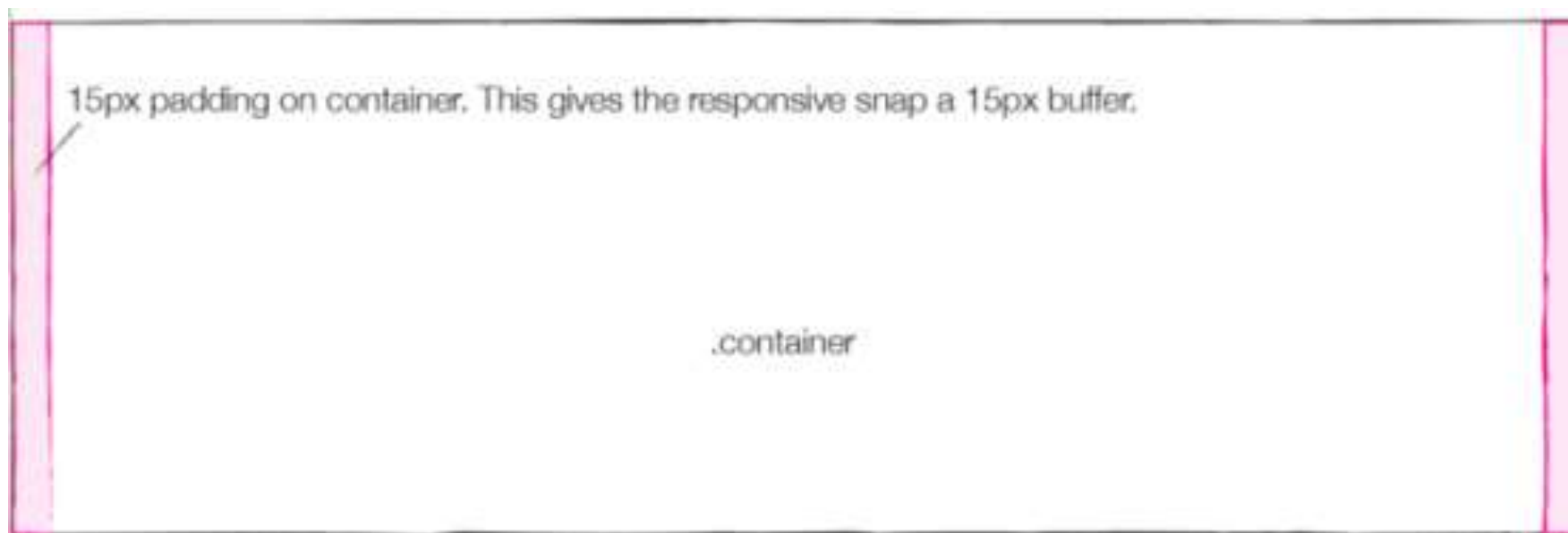
img/

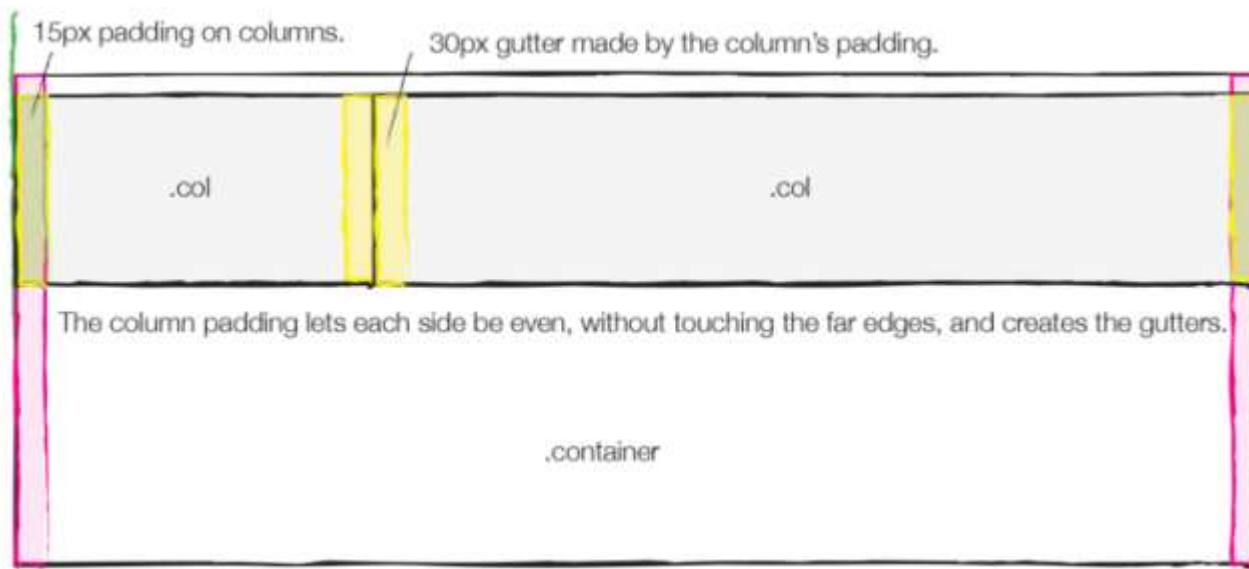
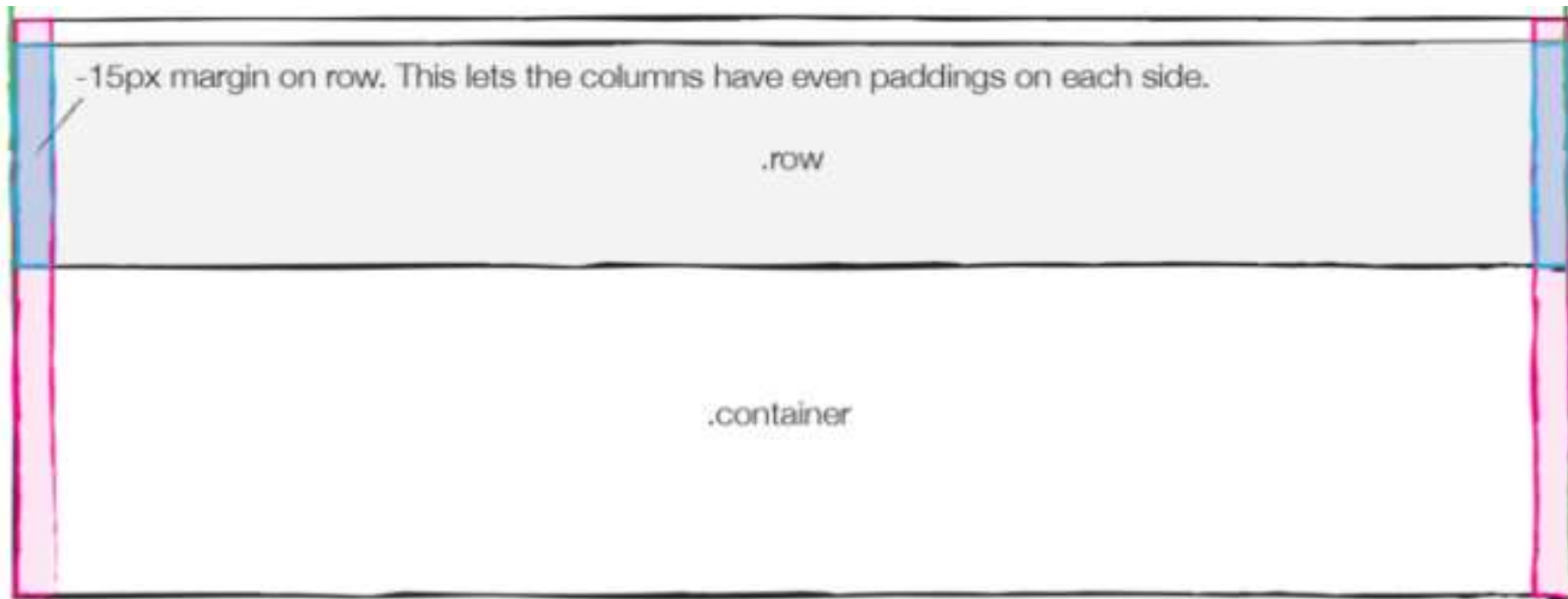
glyphicon-halflings.png

glyphicon-halflings.whi

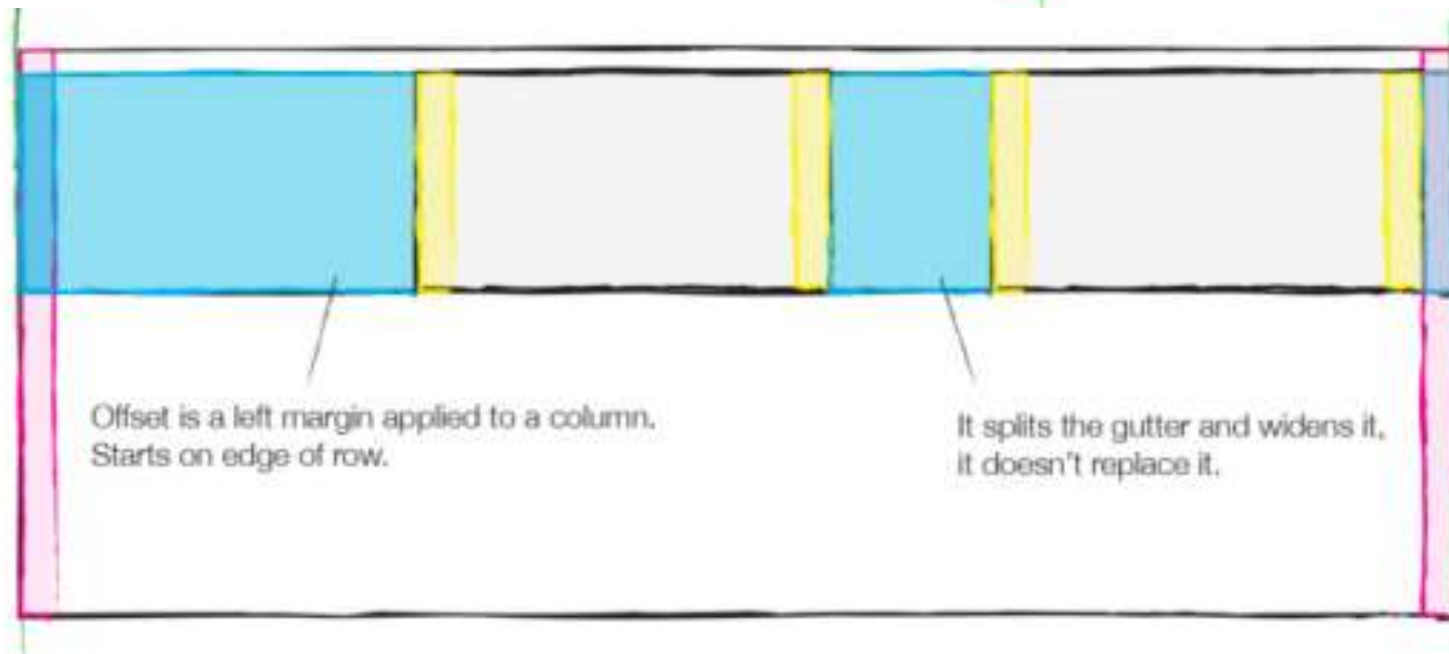
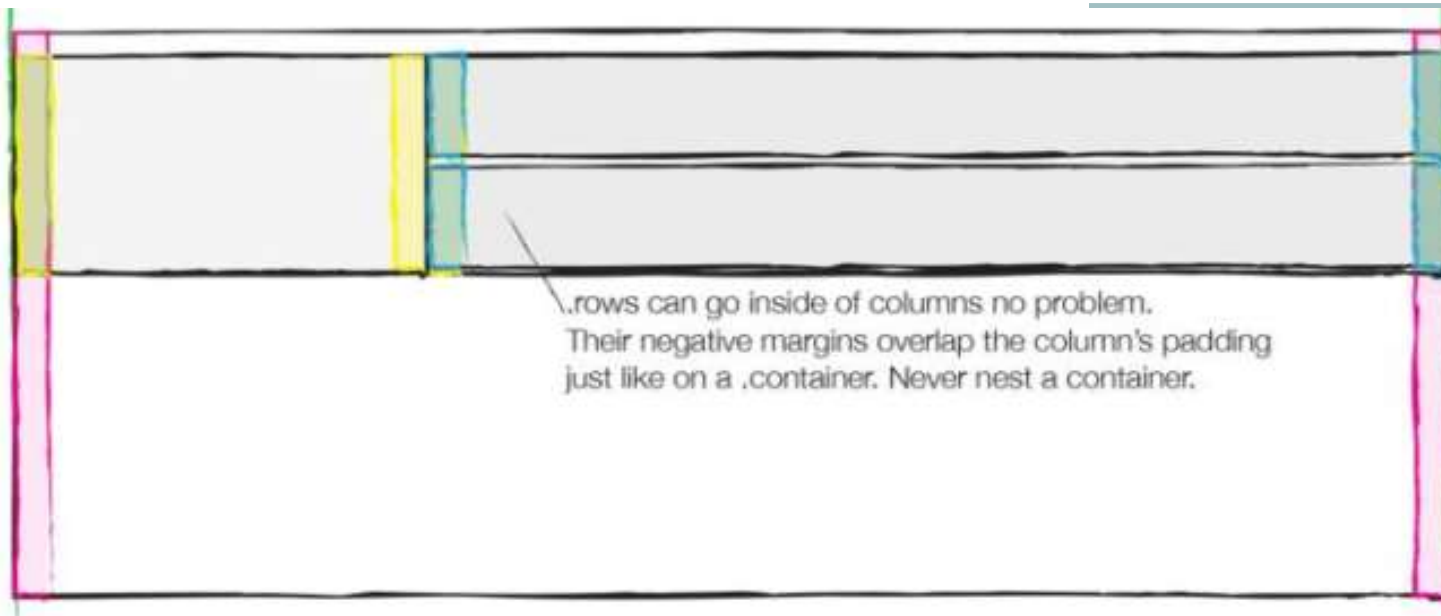
README.md

Grid systemda container, row, col-lg-2, col-md-6, col-sm-3, col-xs-4, col-offcet-lg-1 va shu kabi boshqa asosiy tushunchalar bor. Ular saytlarning standart holda bo'lishini taminlab beradi.



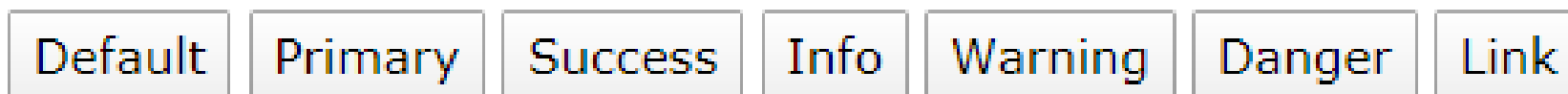






### 3. Bootstrap frameworkda tugmalar, ro'yxatlar, navigatsiya menyulari, formalar bilan ishlash.

*Bootstrap frameworkida tugmalar stillari*



*.btn-default*

*.btn-primary*

*.btn-success*

*.btn-info*

*.btn-warning*

*.btn-danger*

*.btn-link*

**Misol:**

```
<button type="button" class="btn btn-default">Default</button>
```

## *Bootstrap frameworkida ro'yxatlar stillari*

```
<ul class="list-group">
```

```
  <li class="list-group-item">First item</li>
```

```
  <li class="list-group-item">Second item</li>
```

```
  <li class="list-group-item">Third item</li>
```

```
</ul>
```

- First item
- Second item
- Third item

*Bootstrap frameworkida navigatsiya menyular stillari*

```
<nav class="navbar navbar-default">  
  <div class="container-fluid">  
    <div class="navbar-header">  
      <a class="navbar-brand" href="#">  
WebSiteName</a>  
    </div>  
    <ul class="nav navbar-nav">  
      <li class="active"><a href="#">Home</a></li>  
      <li><a href="#">Page 1</a></li>  
      <li><a href="#">Page 2</a></li>  
      <li><a href="#">Page 3</a></li>  
    </ul>  
  </div>  
</nav>
```

## *Bootstrap frameworkida formalar bilan ishlash*



Email:

Password:

☐ Remember me

```
<form class="form-horizontal" role="form">
  <div class="form-group">
    <label class="control-label col-sm-2" for="email">Email:</label>
    <div class="col-sm-10">
      <input type="email" class="form-control" id="email" placeholder="Enter email">
    </div>
  </div>
  <div class="form-group">
    <label class="control-label col-sm-2" for="pwd">Password:</label>
    <div class="col-sm-10">
      <input type="password" class="form-control" id="pwd" placeholder="Enter password">
    </div>
  </div>
  <div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
      <div class="checkbox">
        <label><input type="checkbox"> Remember me</label>
      </div>
    </div>
  </div>
  <div class="form-group">
    <div class="col-sm-offset-2 col-sm-10">
      <button type="submit" class="btn btn-default">Submit</button>
    </div>
  </div>
</form>
```

## 4. Bootstrap komponentlari.

Bootstrap frameworkda quyidagi komponentalar mavjud:

- Bootstrap Glyphs komponentalari
- Bootstrap Dropdowns komponentalari
- Bootstrap Navs komponentalari

## Bootstrap Glyphs komponentalari

glyphicon glyphicon-plus

glyphicon glyphicon-minus

glyphicon glyphicon-euro

glyphicon glyphicon-cloud

glyphicon glyphicon-envelope

glyphicon glyphicon-pencil

glyphicon glyphicon-glass

...



glyphicon glyphicon-object-align-left

glyphicon glyphicon-object-align-vertical

glyphicon glyphicon-object-align-right

glyphicon glyphicon-triangle-right

glyphicon glyphicon-triangle-left

glyphicon glyphicon-triangle-bottom

glyphicon glyphicon-triangle-top

glyphicon glyphicon-superscript

glyphicon glyphicon-subscript

glyphicon glyphicon-menu-left

glyphicon glyphicon-menu-right

glyphicon glyphicon-menu-down

glyphicon glyphicon-menu-up

## Bootstrap Dropdowns komponentalari

<code>.dropdown</code>	Indicates a dropdown menu
<code>.dropdown-menu</code>	Builds the dropdown menu
<code>.dropdown-menu-right</code>	Right-aligns a dropdown menu
<code>.dropdown-header</code>	Adds a header inside the dropdown menu
<code>.dropup</code>	Indicates a dropup menu
<code>.disabled</code>	Disables an item in the dropdown menu
<code>.divider</code>	Separates items inside the dropdown menu with a horizontal line

## Bootstrap Navs komponentalari

Class	Description
<code>.nav nav-tabs</code>	Creates navigation tabs
<code>.nav nav-pills</code>	Creates navigation pills
<code>.nav nav-pills nav-stacked</code>	Creates vertical navigation pills
<code>.nav-justified</code>	Makes navigation tabs/pills equal widths of their parent, at screens wider than 768px. On smaller screens, the nav tabs/pills are stacked
<code>.disabled</code>	Indicates a disabled (unclickable) tab/pill
Navigation tabs with dropdown menu	
Navigation pills with dropdown menu	
<code>.tab-content</code>	Together with <code>.tab-pane</code> and <code>data-toggle="tab"</code> ( <code>data-toggle="pill"</code> for pills), it makes the tab/pill toggleable
<code>.tab-pane</code>	Together with <code>.tab-content</code> and <code>data-toggle="tab"</code> ( <code>data-toggle="pill"</code> for pills), it makes the tab/pill toggleable

## Bootstrap Navs komponentalari

Class	Description
<code>.breadcrumb</code>	Makes a breadcrumb
<code>.pager</code>	Provides simple pagination links (Previous/Next)
<code>.previous</code>	Aligns the <code>.pager</code> previous button to the left
<code>.next</code>	Aligns the <code>.pager</code> next button to the right
<code>.disabled</code>	Indicates an unclickable link
<code>.pagination</code>	Provides pagination links
<code>.pagination-lg</code>	Used together with the <code>.pagination</code> class to provide larger pagination links
<code>.pagination-sm</code>	Used together with the <code>.pagination</code> class to provide smaller pagination links
<code>.disabled</code>	Indicates an unclickable link
<code>.active</code>	Indicates the current page

## Bootstrap Navs komponentalari

Class	Description
<code>.label label-default</code>	Indicates a default grey label
<code>.label label-primary</code>	Indicates a blue label of type "primary"
<code>.label label-success</code>	Indicates a green label of type "success"
<code>.label label-info</code>	Indicates a light blue label of type "info"
<code>.label label-warning</code>	Indicates a yellow label of type "warning"
<code>.label label-danger</code>	Indicates a red label of type "danger"
<code>.badge</code>	Indicates new or unread items
<code>.jumbotron</code>	Indicates a big box for calling extra attention to featured content or information
<code>.jumbotron (extra)</code>	To let the <code>.jumbotron</code> box span the full width, and without rounded corners, place it outside the <code>.container</code> class

## **Nazorat savollari:**

1. Bootstrap frameworkini tushuntirib bering.
2. Bootstrapni qanday imkoniyatlari bor?
3. Bootstrapni qanday qurilmalarini bilasiz?
4. Bootstrap qanday ulanadi?
5. Bootstrapni qanday shablonlari bor?
6. Bootstrapni qanday komponentalari bor?

## **Foydalanilgan adabiyotlar:**

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## Foydalanilgan manbalar:

- Intuit.ru.
- <http://pda.coolreferat.com>
- <http://www.google.ru>
- <http://www.z-oleg.com>
- <http://www.i2r.ru/>

Rejaga  
qaytish