

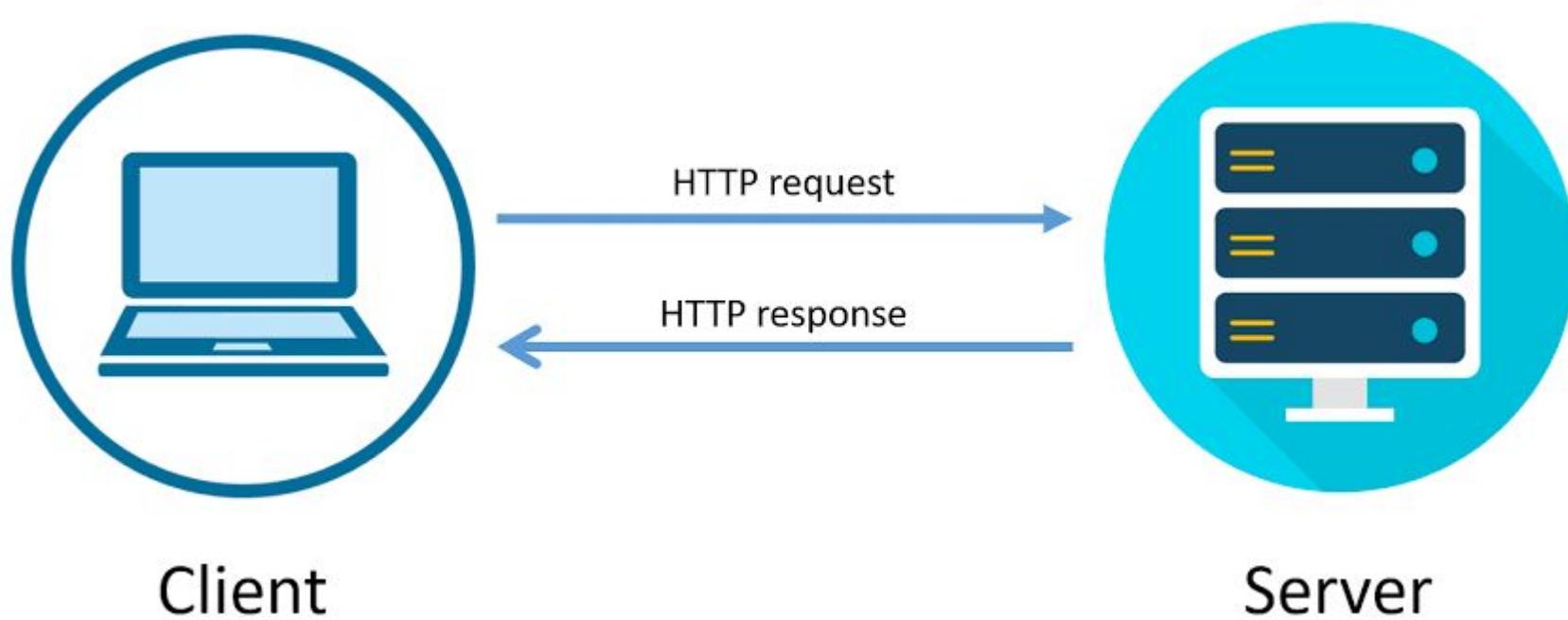
# Formalar

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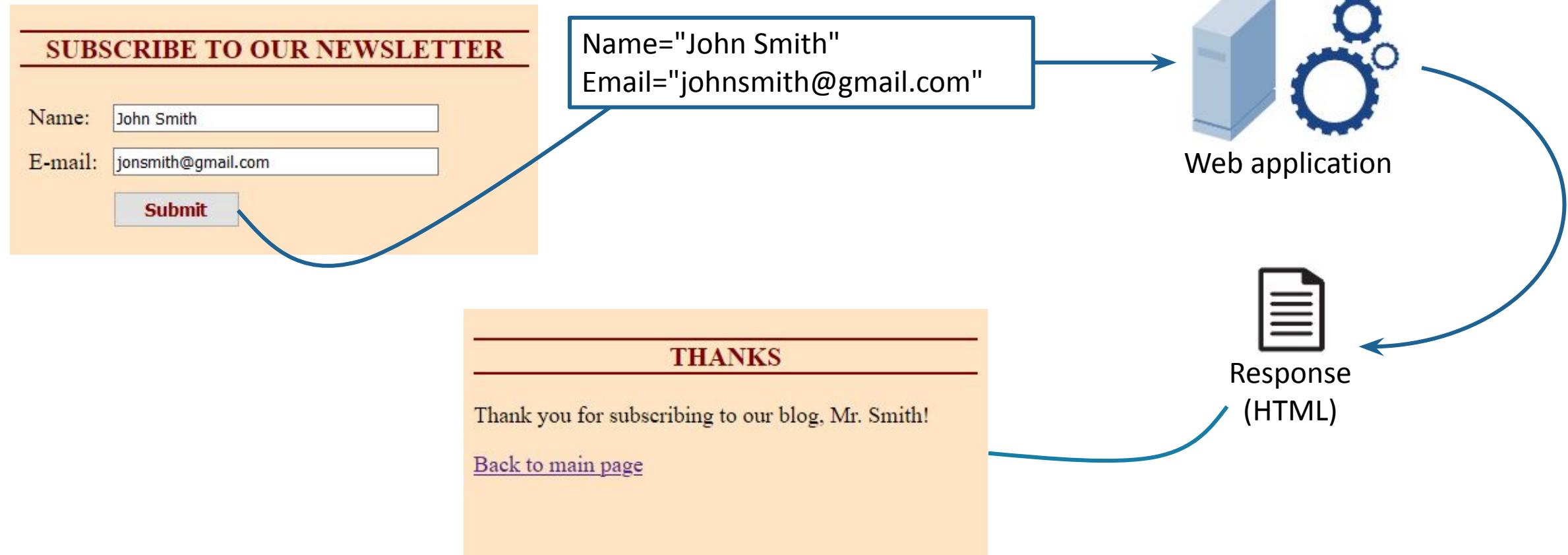
# Forma

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Forma – foydalanuvchiga o'z ma'lumotlarini web sahifa orqali serverga jo'natishda (qayta ishlash uchun) imkonini beradi.



# Forma va server



# form elementi

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<form>...</form>

Atributlari:

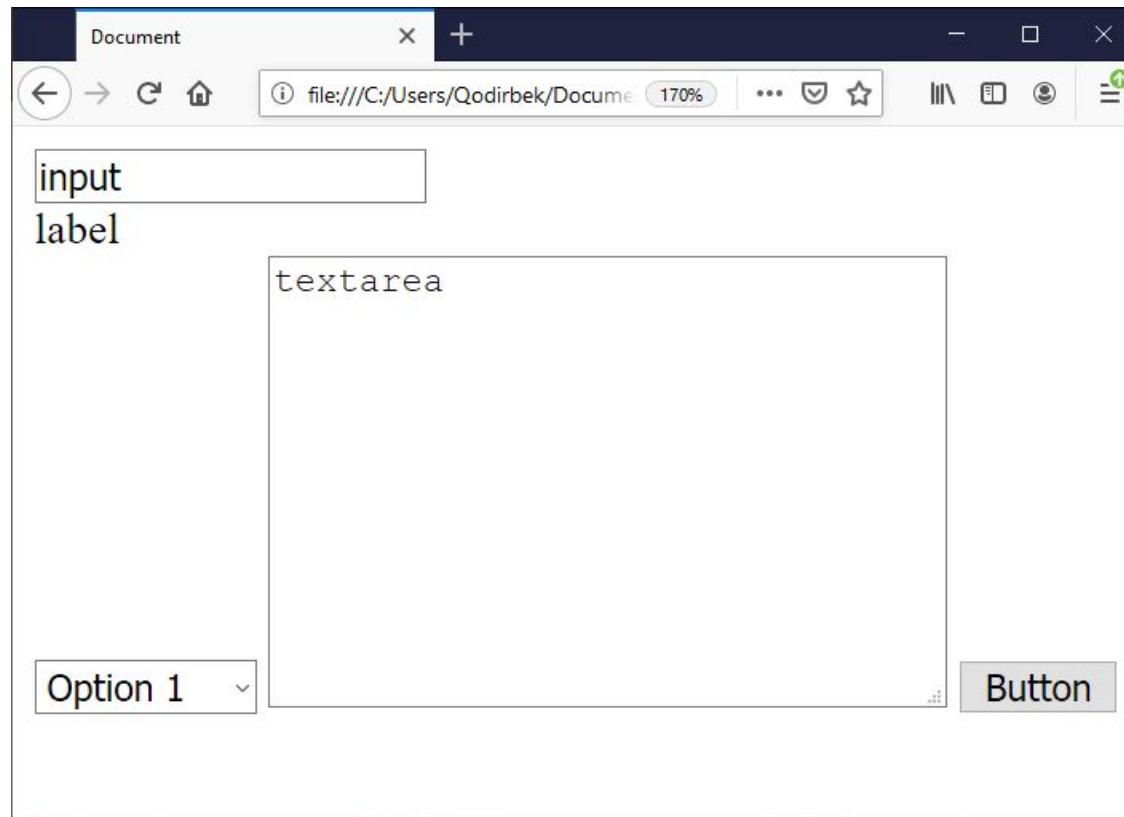
- action – forma ma'lumotlari jo'natiladigan manzil (server manzili)
- method – forma ma'lumotlarini jo'natish metodi (GET | POST)
- accept-charset – forma ma'lumotlarini serverga jo'natish kodirovkasi
- autocomplete – ushbu formaga foydalanuvchi tomonidan oldin kiritilgan ma'lumotlardan avtomatik foydalanish imkoniyati (on | off)
- novalidate – forma ma'lumotlarini serverga jo'natishdan oldin validatsiyadan o'tkazmaslik (qiymatsiz atribut)
- enctype – forma ma'lumotlarini serverga jo'natishdagi kodlash
  - (*text/plain* – probellar + belgisiga almashtiriladi |
  - multipart/form-data* hech narsa kodlanmaydi, fayllar jo'natishda ishlataladi |
  - application/x-www-form-urlencoded* – probellar + belgisiga, maxsus belgilar ASCII HEX qiymatlariga almashtiriladi)

# Forma elementlari

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Forma quyidagi elementlardan tashkil topishi mumkin:

- <input>
- <label>
- <select>
- <textarea>
- <button>
- <fieldset>
- <legend>
- <datalist>
- <option>
- <optgroup>
- <output>
- <progress>
- <meter>



# input elementi

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input elementi turlari:

- <input type="button">
- <input type="checkbox">
- <input type="color">
- <input type="date">
- <input type="datetime-local">
- <input type="email">
- <input type="file">
- <input type="hidden">
- <input type="image">
- <input type="month">
- <input type="number">

- <input type="password">
- <input type="text">

# Elementlar atributlari

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- name – element nomi
- value – element qiymati
- readonly – element faqat o'qish uchun mo'ljallangan
- required – element majburiy
- disabled – element noaktiv
- size – foydalanuvchiga ko'rinaradigan belgilar miqdori orqali kenglik (text, search, tel, url, email va password)
- minlength, maxlength – kiritish mumkin bo'lgan minimal va maksimal belgilar miqdori
- min, max – input maydonining minimal va maksimal qiymati (number, range, date, datetime-local, month, time va week)
- multiple – input maydoniga bir nechta qiymat kiritish mumkinligi (email va file)
- pattern – input maydoni qiymatini regulyar ifoda orqali tekshirish (text, date, search, url, tel, email va password)
- placeholder – input maydoni qiymati uchun yordamchi matn (text, search, url, tel, email va password)
- step – input maydonidagi sonli qiymatlar uchun qadamni aniqlash (number, range, date, datetime-local, month, time and week)
- autofocus – sahifa yuklanganda element avtomatik fokusni olishini aniqlash
- list – input elementi qiymatlarini oldindan aniqlangan <datalist> orqali olishni ko'rsatish
- autocomplete – avtomatik to'ldirish uchun yordam (text, search, url, tel, email, password, datepickers, range va color)
- id - identifikator
- class – sinf (stillar uchun)

# Matn kiritish elementlari

---

```
<form action="" method="GET">
    <input type="text" placeholder="Biror matn kriting" minlength="4"><br>
    <input type="email" placeholder="Pochta manzilini kriting"><br>
    <input type="password"><br>
    <input type="search" placeholder="Qidirish"><br>
    <input type="url" placeholder="URL manzil kirtasiz" size="15"><br>
    <input type="tel" placeholder="123-45-678" pattern="[0-9]{3}-[0-9]{2}-[0-9]{3}">
</form>
```

Biror matn kriting
Pochta manzilini kriting
Qidirish
123-45-678

ISE
asda@
••••
Qidirish
url manzil
4244

ISE-31
ise31@ytit.uz
••••
Qidirish
http://ytit.uz
266-55-255

# Matn kiritish elementlari

`input type="email"`

An iPhone screenshot showing an input field labeled "email address". The status bar indicates "2:03 PM" and "littlechair.com". At the bottom, there is a standard QWERTY keyboard with a blue "Go" button.

`input type="search"`

An iPhone screenshot showing an input field labeled "search". The status bar indicates "2:03 PM" and "littlechair.com". At the bottom, there is a standard QWERTY keyboard with a blue "Search" button.

`input type="tel"`

An iPhone screenshot showing an input field labeled "telephone". The status bar indicates "2:03 PM" and "littlechair.com". At the bottom, there is a numeric keypad with a blue "Done" button.

`input type="url"`

An iPhone screenshot showing an input field labeled "your site". The status bar indicates "2:03 PM" and "littlechair.com". At the bottom, there is a standard QWERTY keyboard with a blue ".com" button.

# Matn kiritish elementlari

```
<form action="" method="GET">
    <input type="text" value="Oldindan kiritilgan matn" disabled><br>
    <input type="email" placeholder="Pochta manzilini kriting" required><br>
    <input type="password"><br>
    <input type="search" placeholder="Qidirish" minlength="4" required><br>
    <input type="url" placeholder="URL manzil kirtasiz" size="15"><br>
    <input type="tel" placeholder="123-45-678" pattern="[0-9]{3}-[0-9]{2}-[0-9]{3}"><br>
    <input type="submit" value="Jo'natish">
</form>
```

Oldindan kiritilgan matn

Pochta manzilini kriting

Please fill out this field.

Qidirish

URL manzil kirtasi:

123-45-678

Jo'natish

Oldindan kiritilgan matn

ise31@

Please enter an email address.

Yeoju

URL manzil kirtasi:

123-45-678

Jo'natish

Oldindan kiritilgan matn

ise31@ytit.uz

Yeo

Please use at least 4 characters (you are currently using 3 characters).

123-45-678

Jo'natish

Oldindan kiritilgan matn

ise31@ytit.uz

Yeoju

URL manzil kirtasi:

1234

Please match the requested format.

# Tugmalar

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<input type="submit"> - serverga jo'natish  
<input type="reset"> - formani tozalash  
<input type="image"> - rasmlli tugma  
<input type="button"> - ixtiyoriy tugma  
<button></button> - tugma (qo'shimcha imkoniyatlari mavjud)

```
<input type="submit" value="Jo'natish">
<input type="reset" value="Tozalash">
<input type="image" src="workplace.jpg" width="100">
<input type="button" value="Tekshirish">
<button><b>Salom</b> <i>olam</i></button>
```

Jo'natish      Tozalash  
Tekshirish      **Salom olam**



# Matn kiritish elementlari

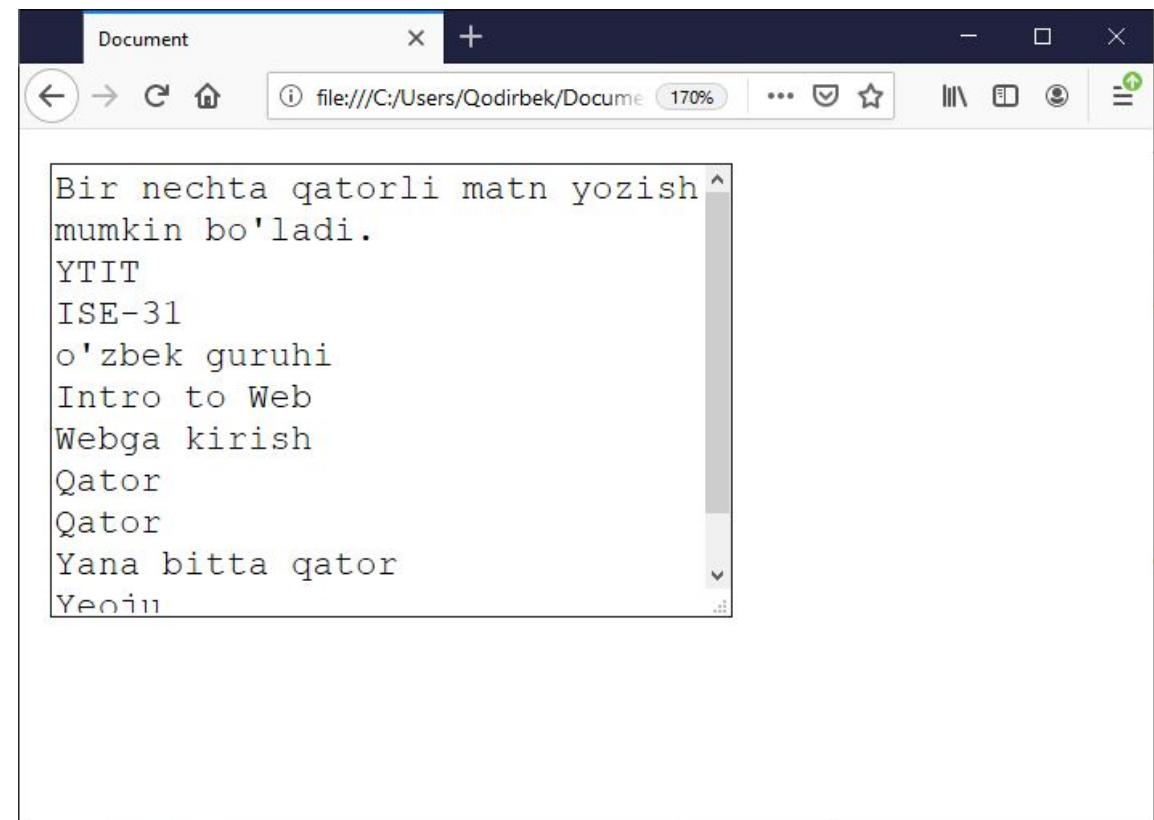
---

<textarea>...</textarea> - ko'p qatorli matn kiritish

Atributlari:

- cols – ko'rinaradigan soha kengligi
- rows – ko'rinaradigan soha uzunligi

```
<form action="" method="GET">
  <textarea name="" id="" cols="30" rows="10"></textarea>
</form>
```



# WYSIWYG tahrirlovchilar

WYSIWYG = What You See Is What You Get

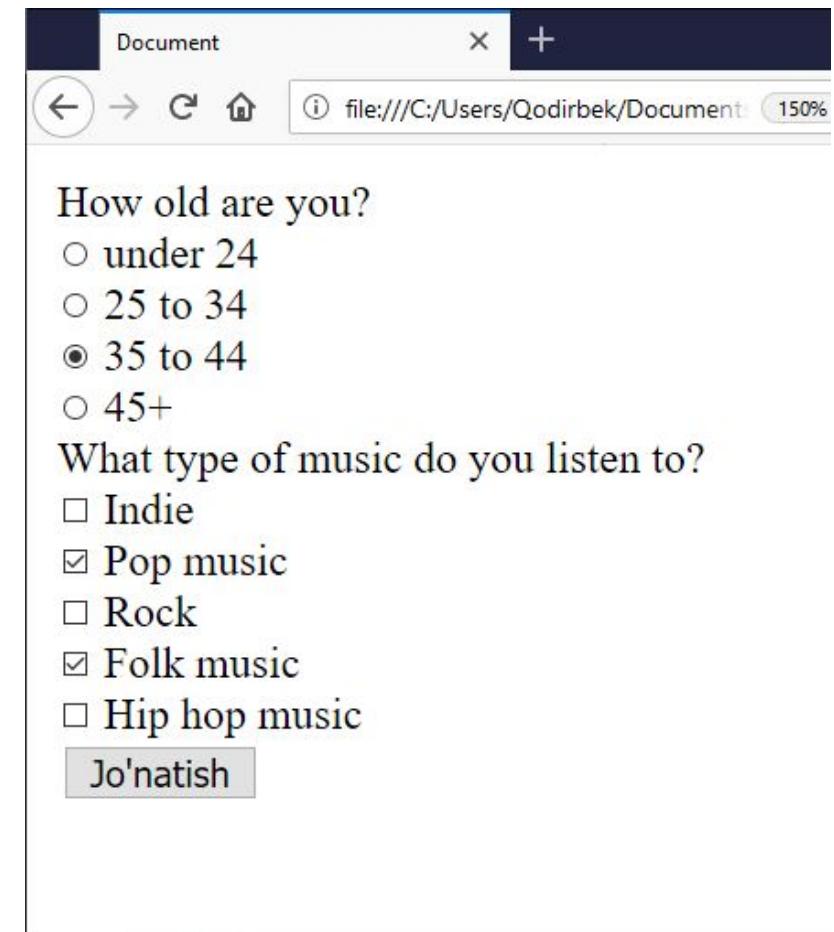
- CKEditor
- Froala
- TinyMCE
- Dreamweaver



A screenshot of the TinyMCE Rich Text Editor Demo. It shows a toolbar at the top with various styling options like bold, italic, and alignment. A text area displays "Euro foreign exchange reference rates As of February 10, 2020 All currencies quoted against the euro (€) as base currency". To the right of the text area is a "Special characters" panel showing various currency symbols. Below the text area is another toolbar with file operations and a note "→ This is a full-featured editor demo. Please explore! ←". At the bottom, there's a summary bar with "50+ Plugins", "Premium Support", "Custom Skins", and "Full API Access". The footer indicates "H2" and "50 WORDS POWERED BY TINY".

# radio va checkbox elementlari

```
<form action="" method="GET">  
    How old are you?<br>  
    <input type="radio" name="age" value="under24" checked> under 24 <br>  
    <input type="radio" name="age" value="25-34"> 25 to 34 <br>  
    <input type="radio" name="age" value="35-44"> 35 to 44 <br>  
    <input type="radio" name="age" value="over45"> 45+ <br>  
    What type of music do you listen to?<br>  
    <input type="checkbox" name="genre" value="indie"> Indie <br>  
    <input type="checkbox" name="genre" value="pop" checked> Pop music <br>  
    <input type="checkbox" name="genre" value="rock"> Rock <br>  
    <input type="checkbox" name="genre" value="folk" checked> Folk music <br>  
    <input type="checkbox" name="genre" value="hiphop"> Hip hop music <br>  
    <input type="submit" value="Jo'natish">  
</form>
```



# Vizual guruhlash va nomlash

```
<fieldset>
  <legend> How old are you?</legend>
  <input type="radio" name="age" value="under24" checked> under 24 <br>
  <input type="radio" name="age" value="25-34"> 25 to 34 <br>
  <input type="radio" name="age" value="35-44"> 35 to 44 <br>
  <input type="radio" name="age" value="over45"> 45+ <br>
</fieldset><br>
<fieldset>
  What type of music do you listen to?<br>
  <input type="checkbox" name="genre" value="indie"> Indie <br>
  <input type="checkbox" name="genre" value="pop" checked> Pop music <br>
  <input type="checkbox" name="genre" value="rock"> Rock <br>
  <input type="checkbox" name="genre" value="folk" checked> Folk music <br>
  <input type="checkbox" name="genre" value="hiphop"> Hip hop music <br>
</fieldset>
```

Document x +

file:///C:/Users/Qodirbek/Documents/

How old are you?

under 24  
 25 to 34  
 35 to 44  
 45+

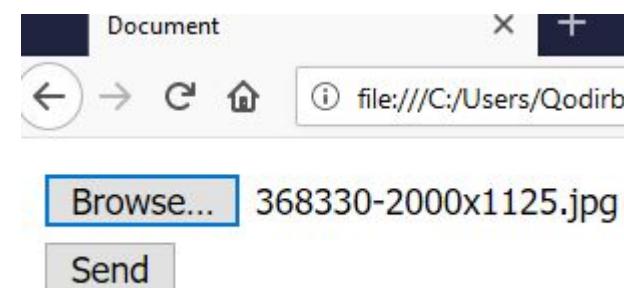
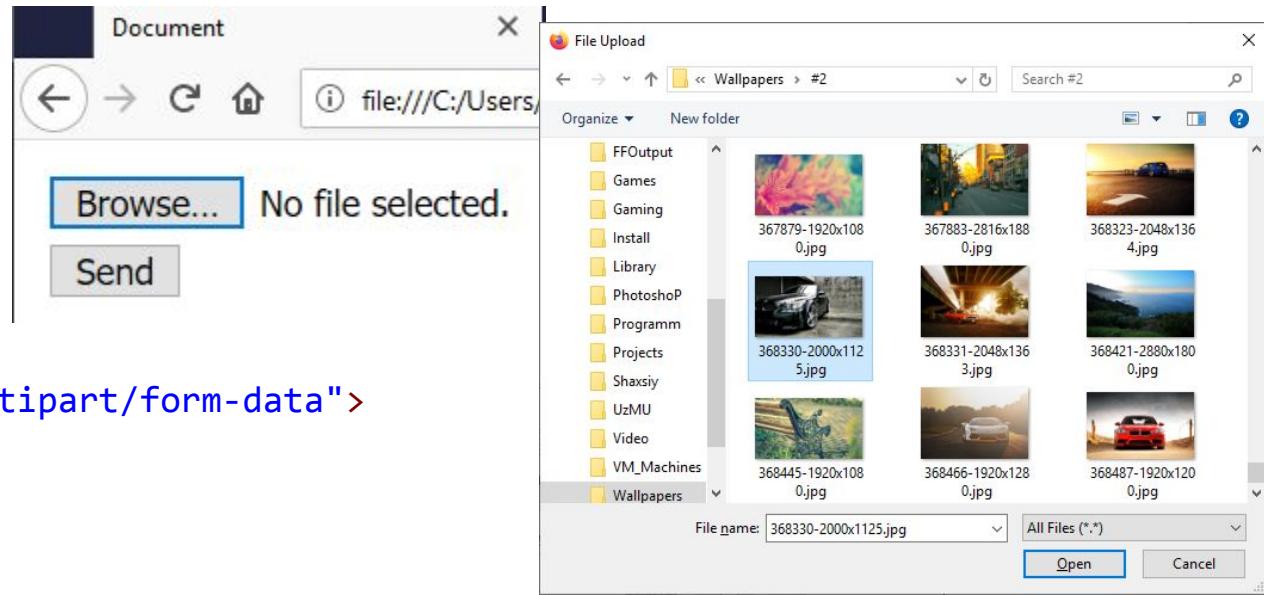
What type of music do you listen to?

Indie  
 Pop music  
 Rock  
 Folk music  
 Hip hop music

Jo'natish

# Fayl tanlash

```
<form action="" method="GET" enctype="multipart/form-data">
    <input type="file" name="photo"><br>
    <input type="submit" value="Send">
</form>
```

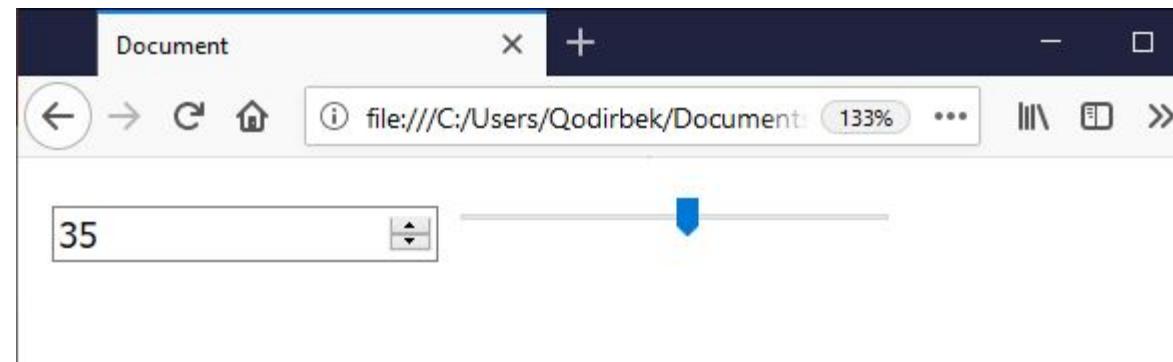


# Raqamlı elementlar

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```
<input type="number" min="10" max="100" step="5">
```

```
<input type="range" min="10" max="100">
```



# Sana va vaqtli elementlar

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<input type="date"> - sana elementi

<input type="time"> - vaqt elementi

<input type="datetime-local"> sana/vaqt elementi

<input type="month"> - oyni tanlash elementi

<input type="week"> - haftani tanlash elementi

Atribut					
type="date"	20.0	12.0	57.0	-	10.1
type="time"	20.0	12.0	57.0	-	10.1
type="datetime-local"	20.0	13.0	-	-	10.1
type="month"	25.0	12.0	-	-	10.1
type="week"	25.0	12.0	-	-	10.1

# Sana va vaqtli elementlar

input type="time"

input type="month"

August 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

input type="date"

mm/dd/yyyy

August 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

input type="datetime-local"

03/dd/yyyy, --:-- --:--

August 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

input type="week"

Week --, ----

August 2016

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	31	1	2	3	4	5	6
32	7	8	9	10	11	12	13
33	14	15	16	17	18	19	20
34	21	22	23	24	25	26	27
35	28	29	30	31	1	2	3

# Yashirin element

---

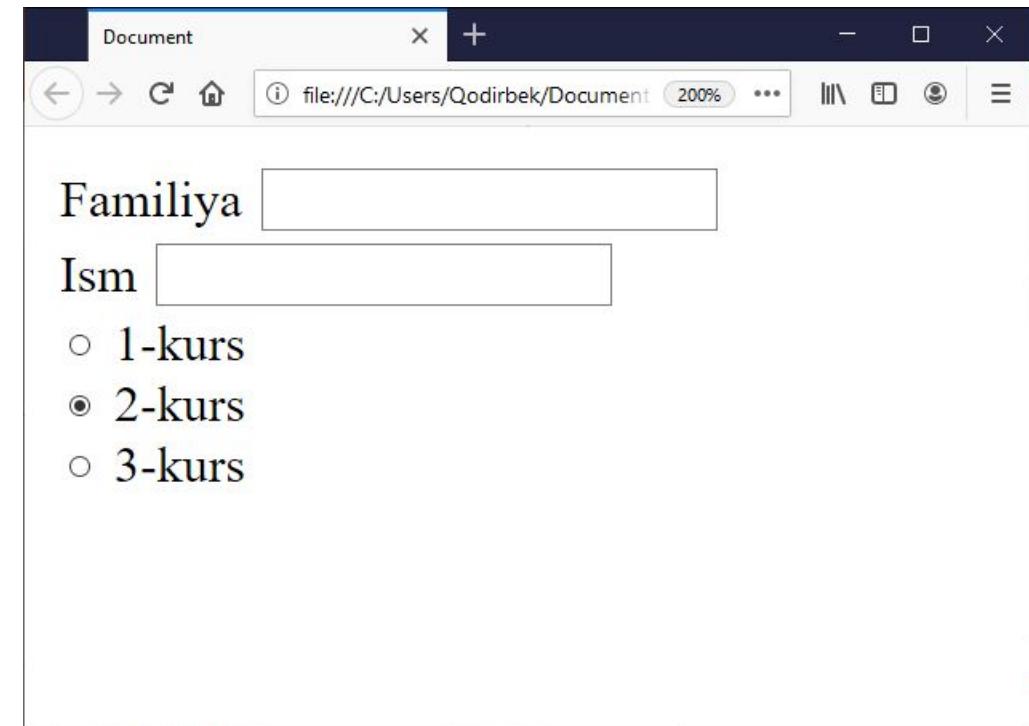
Ushbu element foydalanuvchi uchun ko'rinxaydi.

```
<input type="hidden" name="code" value="01100101">
```

# label elementi

---

```
<form action="" method="GET">  
    <label for="familiya">Familiya</label>  
    <input type="text" name="familiya" id="familiya"><br>  
    <label for="familiya">Ism</label>  
    <input type="text" name="ism" id="ism"><br>  
    <input type="radio" value="1" id="kurs1" name="kurs">  
    <label for="kurs1">1-kurs</label><br>  
    <input type="radio" value="2" id="kurs2" name="kurs">  
    <label for="kurs2">2-kurs</label><br>  
    <input type="radio" value="3" id="kurs3" name="kurs">  
    <label for="kurs3">3-kurs</label><br>  
</form>
```



# select, option vaoptgroup

---

select – ochiladigan (dropdown) ro'yxat yaratish

- autofocus – avtomatik focus olish
- disabled – aktiv bo'limgan ro'yxat
- multiple – ro'yxatda bir nechta element tanlash imkoniyati
- required – majburiy bo'lgan element
- size – ro'yxatdagi ko'rinish turuvchi elementlar miqdori

option – ro'yxatning har bir elementini aniqlash

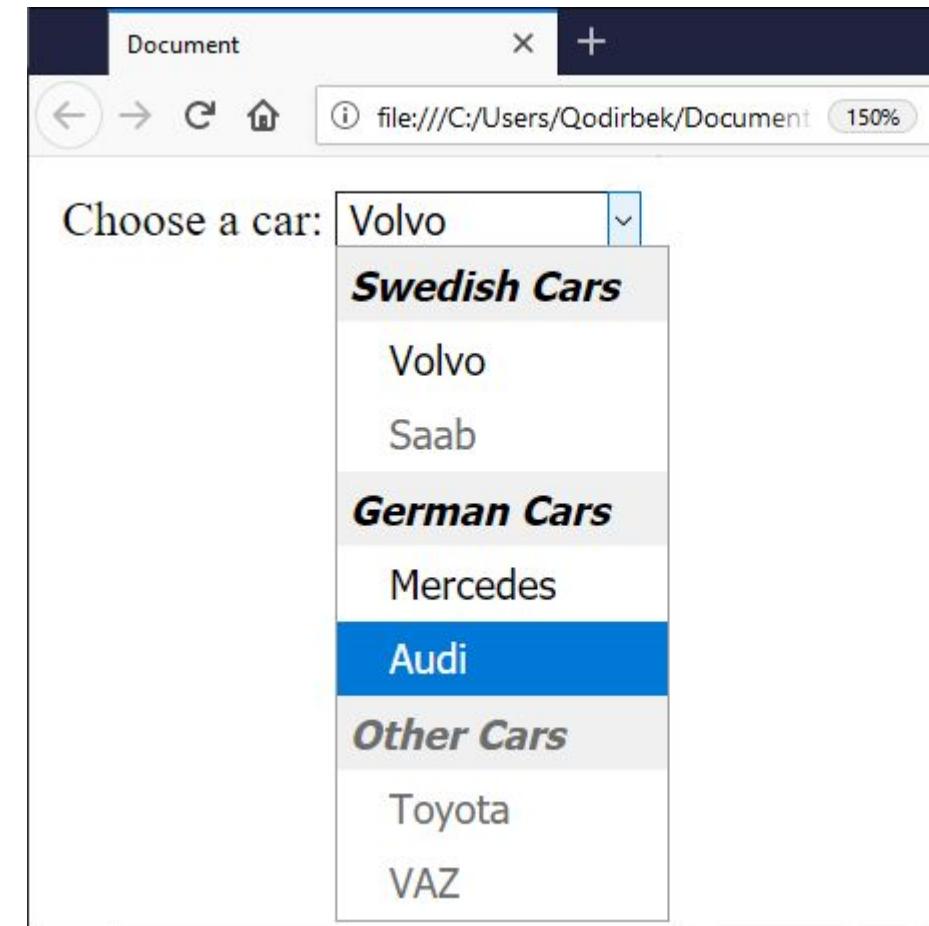
- disabled – aktiv bo'limgan ro'yxat elementi
- selected – tanlangan ro'yxat elementi
- value – ro'yxat elementi qiymati

optgroup – ro'yxat elementlarini mantiqiy (vizual) guruhlash

- disabled – aktiv bo'limgan ro'yxat elementi

# select, option va optgroup

```
<form action="" method="GET">
  <label for="cars">Choose a car:</label>
  <select name="cars" id="cars">
    <optgroup label="Swedish Cars">
      <option value="volvo">Volvo</option>
      <option value="saab" disabled>Saab</option>
    </optgroup>
    <optgroup label="German Cars">
      <option value="mercedes">Mercedes</option>
      <option value="audi">Audi</option>
    </optgroup>
    <optgroup label="Other Cars" disabled>
      <option value="toyota">Toyota</option>
      <option value="vaz">VAZ</option>
    </optgroup>
  </select>
</form>
```

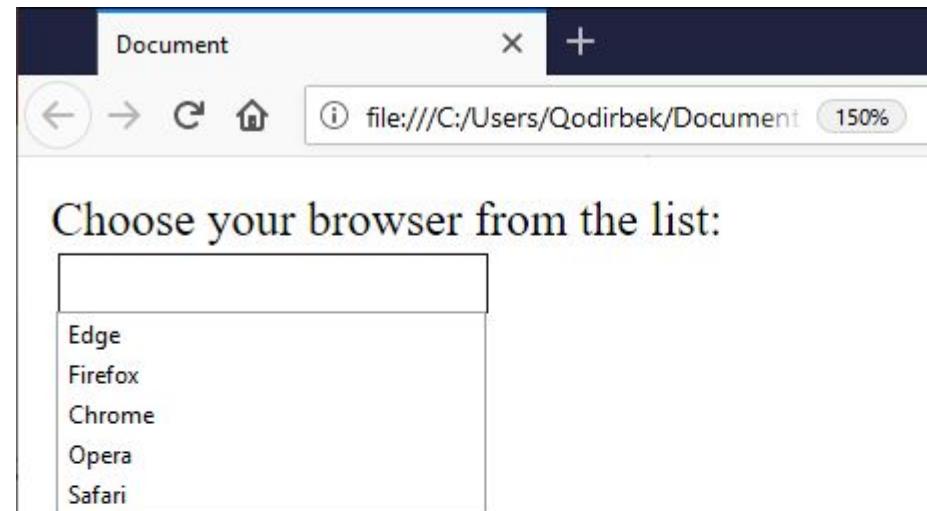


# datalist elementi

datalist – input elementi uchun oldindan aniqlangan qiymatlar ro'yxati.

```
<label for="browser">Choose your browser from the list:</label>
<input list="browsers" name="browser" id="browser">

<datalist id="browsers">
    <option value="Edge">
    <option value="Firefox">
    <option value="Chrome">
    <option value="Opera">
    <option value="Safari">
</datalist>
```



# progress va meter elementlari

---

progress – biror jarayonning bajarilish indikatori

- max – jarayon bajarilishi uchun zarur bo'lgan umumiyl ish (topshiriq) hajmi
- value – tugallangan topshiriqlar

meter – oldindan aniq bo'lgan diapazondagi skalyar o'lchov yoki kasr qiymat (datchik)

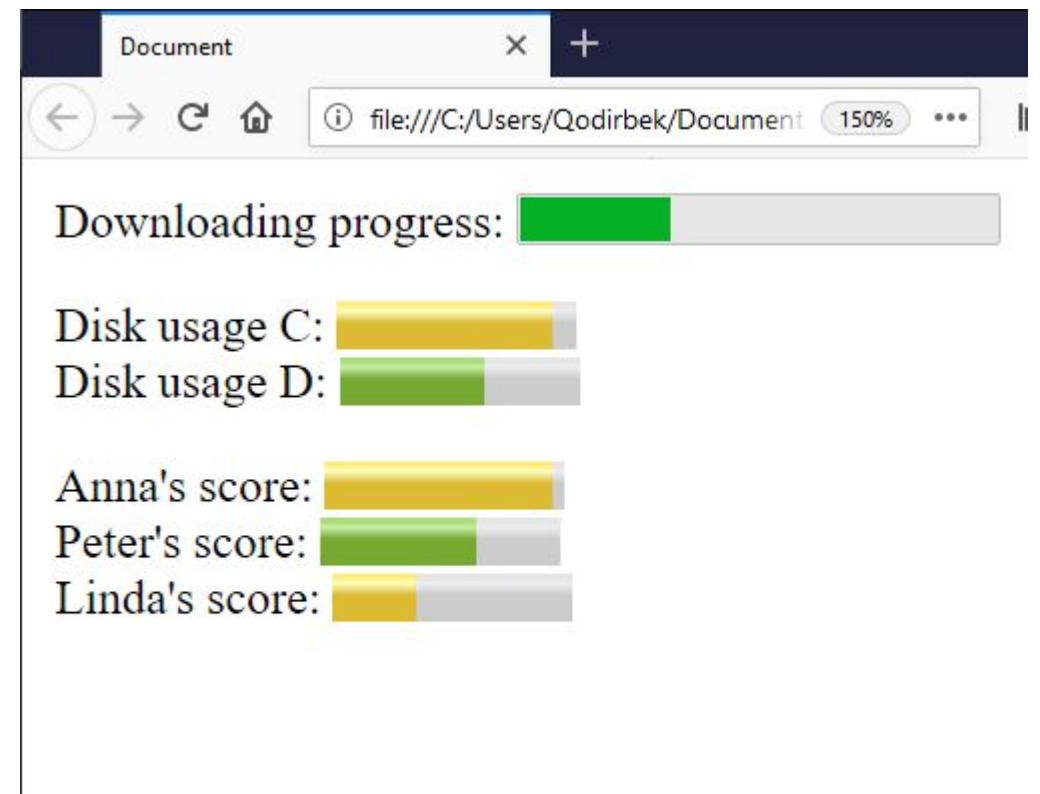
- min – minimum qiymat
- max – maksimum qiymat
- low – past qiymat chegarasi
- high – yuqori qiymat chegarasi
- optimum – optimal qiymat
- value – joriy qiymat

# progress va meter elementlari

```
<label for="file">Downloading progress:</label>
<progress id="file" value="32" max="100"> 32% </progress>

<p> <label for="disk_c">Disk usage C:</label>
    <meter id="disk_c" value="0.9" high="0.8">90%</meter><br>
    <label for="disk_d">Disk usage D:</label>
    <meter id="disk_d" value="0.6">60%</meter></p>

<p><label for="anna">Anna's score:</label>
    <meter id="anna" min="0" low="40" high="90"
          max="100" value="95"></meter><br>
    <label for="peter">Peter's score:</label>
    <meter id="peter" min="0" low="40" high="90"
          max="100" value="65"></meter><br>
    <label for="linda">Linda's score:</label>
    <meter id="linda" min="0" low="40" high="90"
          max="100" value="35"></meter></p>
```



# Savollar?

---