

HTML asosiy tuzilmasi va elementlari bilan ishlash

1. HTML haqida umumiyl tushuncha

HTML (**HyperText Markup Language**) — bu veb-sahifalarni yaratishda qo'llaniladigan asosiy belgilash tilidir. U dasturlash tili emas, balki matnni maxsus

teglar yordamida belgilash orqali brauzerga ma'lumotni qanday ko'rsatish

kerakligini tushuntiradi. HTML dastlab **1991-yilda Tim Berners-Lee** tomonidan

ishlab chiqilgan bo'lib, hozirda **HTML5** eng so'nggi standart sifatida qo'llanilmoqda. HTML yordamida:

matn, rasm, jadval, ro'yxat, havolalar kiritiladi;

foydalananuvchidan ma'lumot olish uchun formalar tuziladi;

tashqi fayllar (CSS, JS, multimedia) ulab qo'yiladi.

Shunday qilib, HTML — bu har bir veb-sahifaning asosiy skeletidir.

2. HTML hujjatining umumiyl tuzilmasi

HTML hujjati quyidagi asosiy qismlardan iborat bo'ladi:

```
<!DOCTYPE html>
<html lang="uz">
<head>
<meta charset="UTF-8">
<title>Mening birinchi sahifam</title>
</head>
<body>
<h1>Salom, HTML!</h1>
<p>Bu mening birinchi veb-sahifam.</p>
</body>
</html>
```

Asosiy elementlar:

1. **<!DOCTYPE html>** – brauzerga hujjat HTML5 formatida yozilganini bildiradi.

2. **<html>...</html>** – barcha HTML kodini o'z ichiga oladi.

o

lang="uz" atributi hujjat tilini bildiradi.

3. **<head>...</head>** – texnik ma'lumotlarni o'z ichiga oladi:

o

<meta charset="UTF-8"> – kodlash turi (UTF-8 o'zbekcha harflarni

ham ko'rsatadi).

o

<title> – brauzer oynasida chiqadigan sarlavha.

o

<link> va <script> – CSS va JS fayllarini ulash.

4. **<body>...</body>** – foydalanuvchi ko'radigan asosiy kontent (matn, rasm,

tugmalar va h.k.).

3. HTML elementlari va ularning turlari
HTML elementlari teglar orqali belgilanadi. Ularning ayrimlari juft (<p>...</p>),

ayrimlari esa yopilmaydigan (
,) ko'rinishda bo'ladi.

3.1. Matn elementlari

Sarlavhalar: <h1> dan <h6> gacha, turli darajadagi sarlavhalarni belgilaydi.

Paragraf: <p> – matn bo'lagi yozish.

Matn shakllari:

o

, – qalin matn.

o

<i>, – qiya matn.

o

<u> – tagiga chizilgan matn.

o

<mark> – belgilanib ko'rsatilgan matn.

Qator almashtirish:

3.2. Ro'yxatlar

Tartibli ro'yxat (raqamli):

Birinchi element

Ikkinchi element

Tartibsiz ro'yxat (belgili):

Birinchi element

```
<li>Ikkinchi element</li>
</ul>
```

3.3. Havolalar va multimedia

Havola (link):

```
<a href="https://www.google.com">Google saytiga o'tish</a>
```

Rasm qo'shish:

```

```

Video qo'shish:

```
<video controls>
<source src="video.mp4" type="video/mp4">
</video>
```

3.4. Jadval elementlari

```
<table border="1">
<tr>
<th>Ism</th>
<th>Familiya</th>
</tr>
<tr>
<td>Ali</td>
<td>Valiyev</td>
</tr>
</table>
```

<table> – jadvalni boshlash.

<tr> – satr (row).

<th> – ustun sarlavhasi (qalin).

<td> – oddiy katak.

3.5. Form elementlari

Foydalanuvchidan ma'lumot olish uchun:

```
<form>
```

Ismingiz: <input type="text">

Parol: <input type="password">


```
<input type="submit" value="Yuborish">
```

```
</form>
```

<input> – kiritish maydoni (text, password, checkbox, radio).

<textarea> – ko‘p qatorli matn maydoni.

<select> va <option> – tanlov ro‘yxati.

4. HTML elementlarining asosiy atributlari

Har bir elementda qo‘srimcha **atributlar** bo‘lishi mumkin:

id – noyob identifikator.

class – bir xil elementlarni guruhash uchun.

style – ichki dizayn berish.

src – rasm, audio yoki video manzili.

href – havola manzili.

alt – rasm chiqmasa ko‘rsatiladigan matn.

5. HTMLning afzalliklari va qo‘llanilishi

Oddiy va tushunarli sintaksisga ega.

Hamma brauzerlar qo‘llab-quvvatlaydi.

CSS va JavaScript bilan birga ishlaganda **zamonaviy, dinamik va interaktiv**

veb-sahifalar yaratish imkonini beradi.

Veb-ilovalar, mobil ilovalar va hatto oflays hujjatlar tayyorlashda ishlatiladi.

TOPSHIRIQ:” Kitob do‘koni “sayti yaratish.

```
C:\> Kitob do'kon > otamuratova.html 7 x
C. > Kitob do'kon > otamuratova.html > html > head > style
1  <!DOCTYPE html>
2  <html lang="uz">
3    <head>
4      <meta charset="UTF-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1" />
6      <title>Kitob Do'kon</title>
7      <style>
8        body {
9          margin: 0;
10         font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
11         background: url('https://images.unsplash.com/photo-1512820790803-83ca734da794?auto=format&fit=crop&w=1470&q=80') no-repeat center center fixed;
12         background-size: cover;
13         color: #333;
14       }
15     }
16   
```

```
.overlay {
17   background-color: rgba(255, 255, 255, 0.9);
18   min-height: 100vh;
19   padding: 20px;
20 }
21 
```

```
header {
22   background-color: #3f51b5;
23   padding: 20px;
24   text-align: center;
25   color: white;
26   border-radius: 10px;
27   box-shadow: 0 3px 10px rgba(0,0,0,0.3);
28   margin-bottom: 30px;
29 }
30 
```

```
header h1 {
31   margin: 0;
32   font-size: 2.8rem;
33   letter-spacing: 2px;
34 }
35 
```

```
nav ul {
36   list-style: none;
37   padding: 0;
38   margin-top: 15px;
39   display: flex;
40   justify-content: center;
41   gap: 30px;
42 }
43 
```

```
 otamuratova otamuratova.html 7 X
C: > Kitob do'kon > otamuratova.html > html > head > style
3   <html lang="uz">
4     <head>
5       <style>
6
7         nav ul li a {
8           text-decoration: none;
9           color: white;
10          font-weight: bold;
11          font-size: 1.1rem;
12          transition: color 0.3s;
13        }
14
15        nav ul li a:hover {
16          color: #c5cae9;
17        }
18
19        section {
20          max-width: 1000px;
21          margin: 0 auto 50px auto;
22          background-color: white;
23          border-radius: 12px;
24          padding: 30px 40px;
25          box-shadow: 0 5px 15px rgba(0,0,0,0.1);
26        }
27
28        section h2 {
29          text-align: center;
30          color: #3f51b5;
31          margin-bottom: 25px;
32          font-size: 2.4rem;
33          letter-spacing: 1.5px;
34        }
35
36        section p {
37          line-height: 1.6;
38          font-size: 1.1rem;
39          color: #555;
40          text-align: center;
41        }
42
43        /* Mahsulotlar grid */
44        #products .grid {
45          display: flex;
46          justify-content: center;
47          gap: 25px;
48          flex-wrap: wrap;
49          margin-top: 30px;
50        }
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```

```
 otamuratova otamuratova.html 7 X
C: > Kitob do'kon > otamuratova.html > html > head > style
3   <html lang="uz">
4     <head>
5       <style>
6
7         .product-card {
8           background-color: #f0f0f0;
9           border-radius: 10px;
10          box-shadow: 0 4px 8px rgba(63,81,181,0.2);
11          padding: 20px;
12          width: 280px;
13          transition: transform 0.3s ease;
14          cursor: default;
15        }
16
17        .product-card:hover {
18          transform: translateY(-10px);
19          box-shadow: 0 8px 16px rgba(63,81,181,0.4);
20        }
21
22        .product-card img {
23          max-width: 100%;
24          border-radius: 8px;
25          height: 180px;
26          object-fit: cover;
27        }
28
29        .product-card h3 {
30          margin-top: 15px;
31          color: #3f51b5;
32          font-size: 1.3rem;
33        }
34
35        .product-card p {
36          color: #444;
37          font-size: 1rem;
38          margin-top: 8px;
39        }
40
41        /* Aloqa formasi */
42        form {
43          max-width: 600px;
44          margin: 0 auto;
45          display: flex;
46          flex-direction: column;
47          gap: 15px;
48        }
49
50        label {
51          font-weight: 600;
```

```
 otamuratova otamuratova.html 7
C: > Kitob do'kon > otamuratova.html > html > head > style
3   <html lang="uz">
4     <head>
8       <style>
136
137     label {
138       font-weight: 600;
139       font-size: 1.1rem;
140       color: #3f51b5;
141     }
142
143     input[type="text"],
144     input[type="email"],
145     textarea {
146       padding: 12px;
147       font-size: 1rem;
148       border: 2px solid #3f51b5;
149       border-radius: 6px;
150       resize: vertical;
151       transition: border-color 0.3s;
152     }
153
154     input[type="text"]:focus,
155     input[type="email"]:focus,
156     textarea:focus {
157       border-color: #7986cb;
158       outline: none;
159     }
160   button {
161     background-color: #3f51b5;
162     border: none;
163     padding: 15px;
164     color: white;
165     font-size: 1.2rem;
166     border-radius: 8px;
167     cursor: pointer;
168     transition: background-color 0.3s;
169   }
170
171   button:hover {
172     background-color: #303f9f;
173   }
174
175   footer {
176     background-color: #3f51b5;
177     color: white;
178     text-align: center;
179     padding: 18px 0;
180     font-size: 1rem;
```

```
 otamuratova otamuratova.html 7 ●
C: > Kitob dokon > otamuratova.html > html > head > style
3   <html lang="uz">
4     <head>
5       <style>
175     footer {
183   }
184   }
185   @media (max-width: 720px) {
186     #products .grid {
187       flex-direction: column;
188       align-items: center;
189     }
190     nav ul {
191       flex-direction: column;
192       gap: 10px;
193     }
194   }
195   </style>
196 </head>
197 <body>
198   <div class="overlay">
199     <header>
200       <h1>Kitob Dokoni</h1>
201       <nav>
202         <ul>
203           <li><a href="#home">Bosh sahifa</a></li>
204           <li><a href="#products">Mahsulotlar</a></li>
205           <li><a href="#about">Biz haqimizda</a></li>
206           <li><a href="#contact">Aloqa</a></li>
207         </ul>
208       </nav>
209     </header>
210     <section id="home">
211       <h2>Xush kelibsiz!</h2>
212       <p>Eng yaxshi kitoblar va o'qish uchun gulay muhit. Sizning bilimlaringizni kengaytirishga yordam beramiz.</p>
213     </section>
214     <section id="products">
215       <h2>Mahsulotlar</h2>
216       <div class="grid">
217         <div class="product-card">
218           
219           <h3>Romantik hikoyalar</h3>
220           <p>Sevgi va hayot haqidagi eng yaxshi romantik kitoblar to'plamini.</p>
221           <h4>Kitoblar ro'yxati:</h4>
222           <ul>
223             <li>"Ishqqa oid 40 goida" - Elif Shafaq</li>
224             <li>"Ba'zilar qilsidan sevarilar" - Halis Karabeni</li>
225             <li>"Sen bir olam men bir olam" - Feyza Moran</li>
226           </ul>
227         </div>
228       </div>
229       <div class="product-card">
230         
231         <h3>Immy Fantastika</h3>
232         <p>Kosmos, texnologiya va kelajak haqidagi qiziqarli asarlari.</p>
233         <h4>Kitoblar ro'yxati:</h4>
234         <ul>
235           <li>"Yulduzlar Ortidai" - Sherzod Qodirov</li>
236           <li>"Kelajak Sayhati" - Anvarbek Rasulov</li>
237           <li>"Robotlarning Siri" - Gulnora Davronova</li>
238         </ul>
239       </div>
240       <div class="product-card">
241         
242         <h3>Qiziqi Romanlar</h3>
243         <p>Qiziqi asrlar va gahramonlar haqidagi tarixiy hikoyalar.</p>
244         <h4>Kitoblar ro'yxati:</h4>
245         <ul>
246           <li>"Ikki eshil grasi" - O'tkir Hoshimov</li>
247           <li>"Dunyoning ishlari" - O'tkir Hoshimov</li>
248           <li>"O'rgan Kunlar" - Abdulla Godiriy</li>
249         </ul>
250       </div>
251     </div>
252   </section>
253   <section id="about">
254     <h2>Biz haqimizda</h2>
255     <p>Bizning kitob dokonimiz 15 yildan beri faoliyat yuritadi va o'quvchilarga sifatli kitoblar taklif etadi. Har bir kitob sevvuchilar uchun ajoyib tanlov!</p>
256   </section>
257   <section id="contact">
258     <h2>Aloqa</h2>
259     <form id="contact-form">
260       <label for="name">Ismingiz:</label>
261       <input type="text" id="name" name="name" placeholder="Ismingizni kiriting" required />
262       <label for="email">Email manzilingiz:</label>
263     </form>
264   </section>
265 
```

```

File otamuratova.html 7 ●
C:\> Kitob do'kon > otamuratova.html > html > head > style
3   <html lang="uz">
198  <body>
199    <div class="overlay">
200      <section id="products">
201        <div class="grid">
202          <ul>
203            <li>"Tikki eshik prasi" - O'tkir Hoshimov</li>
204            <li>"Dunyoning ishlari" - O'tkir Hoshimov</li>
205            <li>"O'qigan kumlar" - Abdulla Qodiriy</li>
206          </ul>
207        </div>
208      </section>
209
210      <section id="about">
211        <h2>Biz haqimizda</h2>
212        <p>Bizning kitob do'konimiz 15 yildan beri faoliyat yuritadi va o'quvchilarga sifatli kitoblar taklif etadi. Har bir kitob sevvuchilar uchun ajoyib tanlov!</p>
213
214      <section id="contact">
215        <h2>Aloqa</h2>
216        <form id="contact-form">
217          <label for="name">Ismingiz:</label>
218          <input type="text" id="name" name="name" placeholder="Ismingizni kiriting" required />
219
220          <label for="email">Email manzilingiz:</label>
221          <input type="email" id="email" name="email" placeholder="Emailingizni kiriting" required />
222
223          <label for="message">Xabar:</label>
224          <textarea id="message" name="message" rows="5" placeholder="Xabaringizni yozing" required></textarea>
225
226          <button type="submit">Yuborish</button>
227        </form>
228      </section>
229
230    <footer>
231      &copy; 2025 Kitob Do'kon. Barcha huquqlar himoyalangan.
232    </footer>
233  </div>
234  <script>
235    document.getElementById('contact-form').addEventListener('submit', function(e){
236      e.preventDefault();
237      const name = document.getElementById('name').value;
238      alert(`Kahmat, ${name}! Sizing xabaringiz qabul qilindi.`);
239      this.reset();
240    });
241  </script>
242 </body>
243 </html>

```

Kitob Do'koni

Bosh sahifa Mahsulotlar Biz haqimizda Aloqa

Xush kelibsiz!

Eng yaxshi kitoblar va o'qish uchun qulay muhit. Sizning bilimlaringizni kengaytirishga yordam beramiz.

Mahsulotlar

Romantik Hikoyalar

Sevgi va hayot haqida eng yaxshi romantik kitoblar to'plami.

Ilmiy Fantastika

Kosmos, texnologiya va kelajak haqida qiziqarli asarlari.

Romantik Hikoyalar

Sevgi va hayot haqida eng yaxshi romantik kitoblar to'plami.

Kitoblar ro'yxati:

- "Ishqqa oid 40 qoida" — Elif Shafaq
- "Ba'zilar olisdan sevarlar" — Halis Karabenli
- "Sen bir olam men bir olam" — Feya Moran

Ilmiy Fantastika

Kosmos, texnologiya va kelajak haqida qiziqarli asarlar.

Kitoblar ro'yxati:

- "Yulduzlar Ortida" — Sherzod Qodirov
- "Kelajak Sayohati" — Anvarbek Rasulov
- "Robotlarning Siri" — Gulnora Davronova



Tarixiy Romanlar

O'tgan asrlar va qahramonlar haqida tarixiy hikoyalar.

Kitoblar ro'yxati:

- "Ikki eshik orasi" — O'tkir Hoshimov
- "Dunyonning ishlari" — O'tkir Hoshimov
- "O'tgan Kunlar" — Abdulla Qodiriy

Biz haqimizda

Bizning kitob do'konimiz 15 yildan beri faoliyat yuritadi va o'quvchilarga sifatli kitoblar taklif etadi. Har bir kitob sevuvchilar uchun ajoyib tanlov!

Aloqa

Ismingiz:

Ismingizni kriting

Email manzilingiz:

Emailingizni kriting

Xabar:

Xabaringizni yozing

Yuborish

6. Xulosa

HTML – veb texnologiyalarining poydevori hisoblanadi. Har bir dasturchi yoki veb

dizayner HTML asoslarini mukammal bilishi kerak. HTML hujjatining **asosiy**

tuzilmasi, matn, rasm, jadval, havola va forma elementlari bilan ishlashni

o'r ganish orqali sodda saytlarni yaratish mumkin. Keyinchalik CSS va JavaScript

qo'shish orqali yanada chiroyli va funksional veb-ilovalar ishlab chiqiladi.