DOKUMENTACIJA

BlueSky Hosting

Web programiranje 1

Đorđe Borojević 101/23

Uvod

1. Sajt je napravljen koristeći: HTML, CSS, SASS, Bootstrap, XML, JavaScript.

2. Korišćen je templejt sajta sa html5up.net/solid-state

3. funkcionalnosti

> *a) dinamicki ispis menija*
>
> *b) dinamicki ispis sekcija o nama sa naizmenicnim stilovima*
>
> *c) filtriranje servisa*
>
> *d) ispis servisa iz selektovane kategorije klikom na dugme*
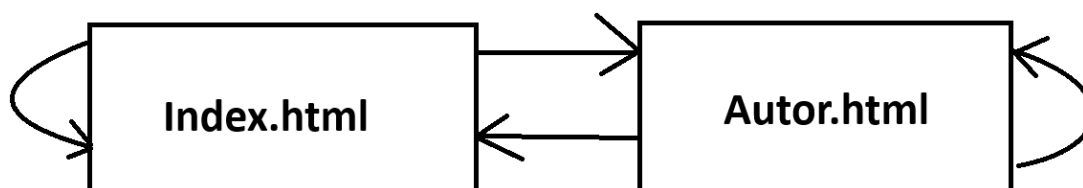>
> *e) validacija forme*
>
>> *- Regular Expression za ime, email adresu i broj telefona*
>>
>> *- provera selektovanih radio buttona*
>>
>> *- Regular Expression za message*
>
> *f) tajmer do kraja snizenja*

Organizacija sajta

sitemap.xml

```xml
sitemap.xml  ✕
C: > Users > Djolo > Desktop > sajt > ᛝ sitemap.xml
  1   <?xml version="1.0" encoding="UTF-8"?>
  2   <urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  3   <url>
  4   <loc>https://djolewebsiteict.github.io/BlueSkyHosting/index.html</loc>
  5   <lastmod>2026-1-9</lastmod>
  6   <changefreq>weekly</changefreq>
  7   <priority>0.80</priority>
  8   </url>
  9   <url>
 10   <loc>https://djolewebsiteict.github.io/BlueSkyHosting/autor.html</loc>
 11   <lastmod>2026-1-9</lastmod>
 12   <changefreq>yearly</changefreq>
 13   <priority>0.40</priority>
 14   </url>
 15   </urlset>
```
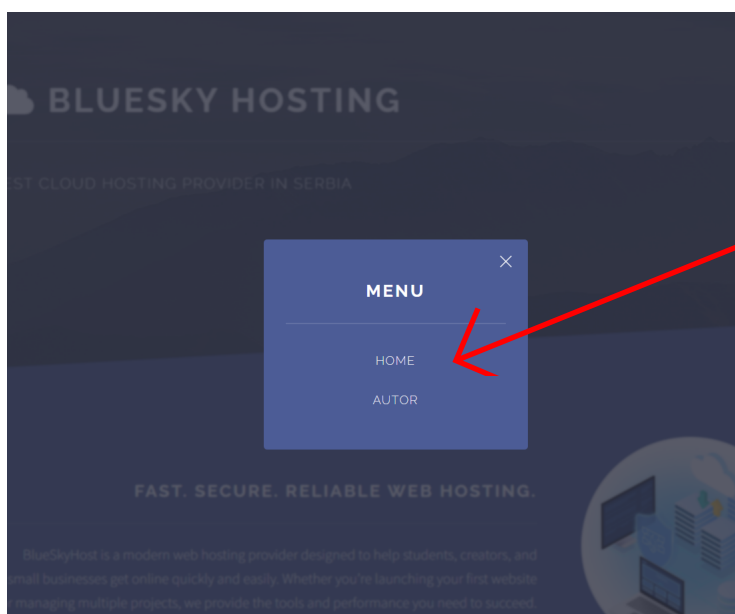
slike stranica i opis funkcionalnosti

meni se dinamicki ispisuje

sekcija o nama

sekcije o nama se dinamicki ispisuju a stilovi se menjaju naizmenicno automatski

filter za kategorije

filtrira servise po selektovanoj kategoriji. ukoliko nije selektovana kategorija on uzima sve kategorije.

dugme SEE MORE za dinamicko ispisivanje servisa po selektovanom filteru iznad

Tajmer koji odbrojava do kraja praznicnog snizenja

Forma

Pritiskom na dugme SEND MESSAGE
RegularExpression proverava validnost
imena , emaila , broja telefona , message-a i
proverava da li je selektovan RadioButton.

GET IN TOUCH

U can message us here directly or use one of our options listed below.

NAME

enter a valid name

EMAIL

enter a valid mail address

PHONE NO.

invalid phone number

○ Personal

○ Bussiness

please select an option

MESSAGE

please enter a message

SEND MESSAGE

🏠 BlueSky
1234 Tar
Mirijevsk

📞 (420) 666

✉ blueskyh

🐦 twitter.c

f faceboo

📷 instagra

index.html

> Users > Djolo > Desktop > sajt > <> index.html > ⊘ html > ⊘ body.is-preload > ⊘ div#page-wrapper > ⊘ section#wrapper > ⊘ section#four.wrapper.alt.style1 > ⊘ div.in

```html
1   <!DOCTYPE HTML>
2   <!--
3       Solid State by HTML5 UP
4       html5up.net | @ajlkn
5       Free for personal and commercial use under the CCA 3.0 license (html5up.net/license)
6   -->
7   <html>
8       <head>
9           <title>BlueSky Hosting</title>
0           <meta charset="utf-8" />
1           <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no" />
2           <link rel="stylesheet" href="assets/css/main.css" />
3           <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"/>
4           <noscript><link rel="stylesheet" href="assets/css/noscript.css" /></noscript>
5
6       </head>
7       <body class="is-preload">
8
9           <!-- Page Wrapper -->
0               <div id="page-wrapper">
1
2                   <!-- Header -->
3                       <header id="header" class="alt">
4                           <h1><a href="index.html">BlueSky Hosting</a></h1>
5                           <nav>
6                               <a href="#menu">Menu</a>
7                           </nav>
8                       </header>
9
0                   <!-- Menu -->
1                       <nav id="menu">
2                           <div class="inner">
3                               <h2>Menu</h2>
4                               <ul class="links" id="navbarlist">
5                               </ul>
6                               <a href="#" class="close">Close</a>
7                           </div>
8                       </nav>
9
0                   <!-- Banner -->
1                       <section id="banner">
2                           <div class="inner">
3                               <h2> <i class="fa-solid fa-cloud"></i> BlueSky Hosting</h2>
4                               <p> Best cloud hosting provider in Serbia</p>
5                           </div>
6                       </section>
7                   <!-- Wrapper -->
8                       <section id="wrapper">
9                           <div id="containerSekcije"></div>
0
1                           <!-- Services -->
2                               <section id="four" class="wrapper alt style1">
3                                   <div class="inner">
4                                       <h2 class="major">Our Services</h2>
5                                       <p>We here at BlueSky Hosting provide lots of different services to suit all ur needs.</p>
6                                       <div class="col-12">
7                                           <label for="demo-category">Category</label>
8                                           <select name="demo-category" id="demo-category">
9                                               <option value="">-</option>
0
1                                           </select>
2                                       </div>
3                                       <section class="features" id="services-list">
4
5                                       </section>
6                                       <a href="#" class="button primary small fit" id="seemorebutton">See More</a>
```
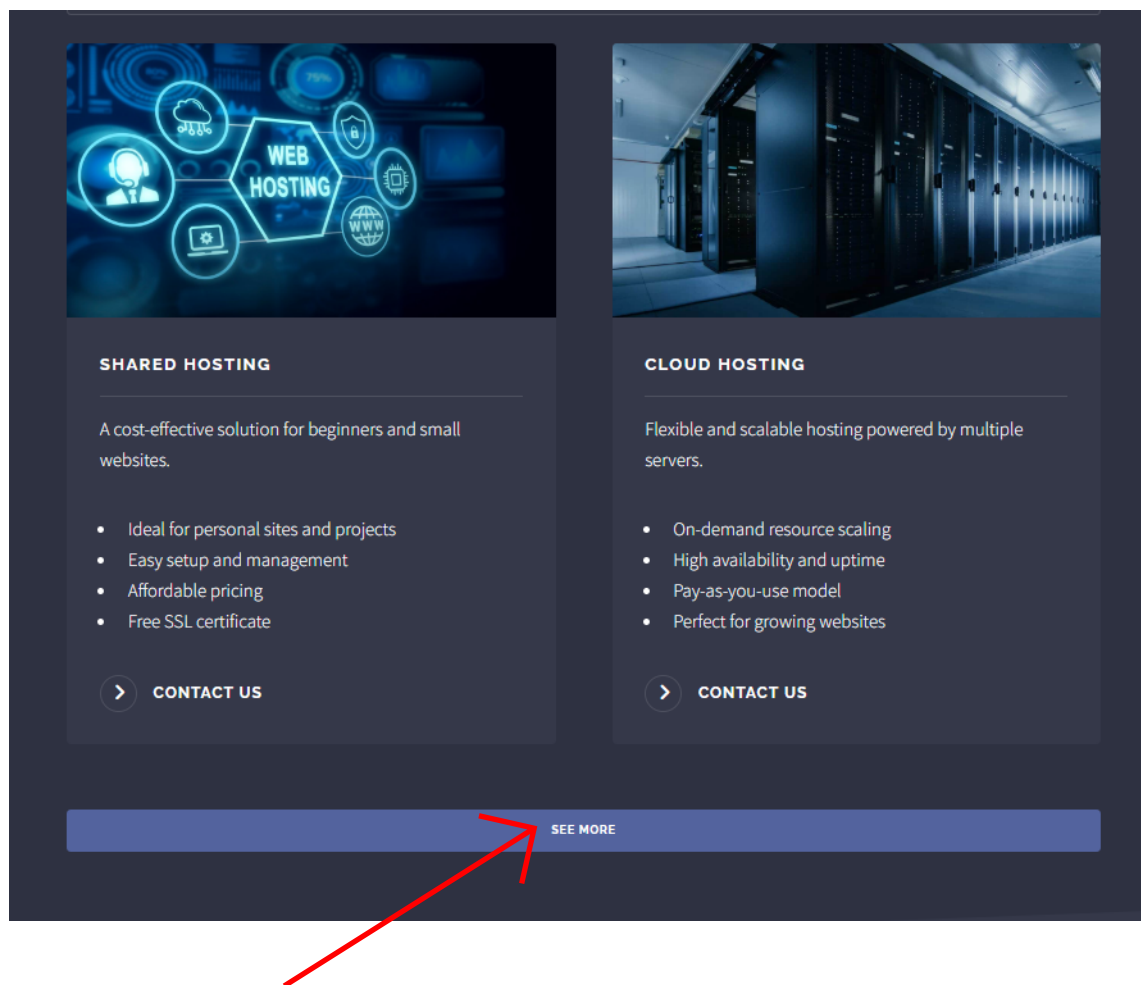
```html
						</section>
						<a href="#" class="button primary small fit" id="seemorebutton">See More</a>
					</div>
				</section>
			</section>

			<!-- Snizenje Tajmer -->
				<section id="five" class="wrapper style2">
					<div class="inner">
						<h2 class="major" id="snizenjetajmer"></h2>
						<p>Get in touch with Us before the holiday sale ends using the form below.</p>
					</div>
				</section>
			</section>


		<!-- Footer -->
		<section id="footer">
			<div class="inner">
				<h2 class="major">Get in touch</h2>
				<p>U can message us here directly or use one of our options listed below.</p>
				<form method="post" action="">
					<div class="fields">
						<div class="field">
							<label for="name">Name</label>
							<input type="text" name="name" id="name" />
							<div id="nameerror"></div>
						</div>
						<div class="field">
							<label for="email">Email</label>
							<input type="email" name="email" id="email" />
							<div id="mailerror"></div>
						</div>
						<div class="field">
							<label for="phone">Phone No.</label>
							<input type="text" name="phone" id="phone" />
							<div id="phonerror"></div>
						</div>
						<div class="field">
								<div class="col-4 col-12-small">
									<input type="radio" id="demo-priority-low" name="demo-priority" >
									<label for="demo-priority-low">Personal</label>
								</div>
								<div class="col-4 col-12-small">
									<input type="radio" id="demo-priority-normal" name="demo-priority">
									<label for="demo-priority-normal">Bussiness</label>
								</div>
								<div id="radioerror"></div>
						</div>
						<div class="field">
							<label for="message">Message</label>
							<textarea name="message" id="message" rows="4"></textarea>
							<div id="messageerror"></div>
						</div>
```
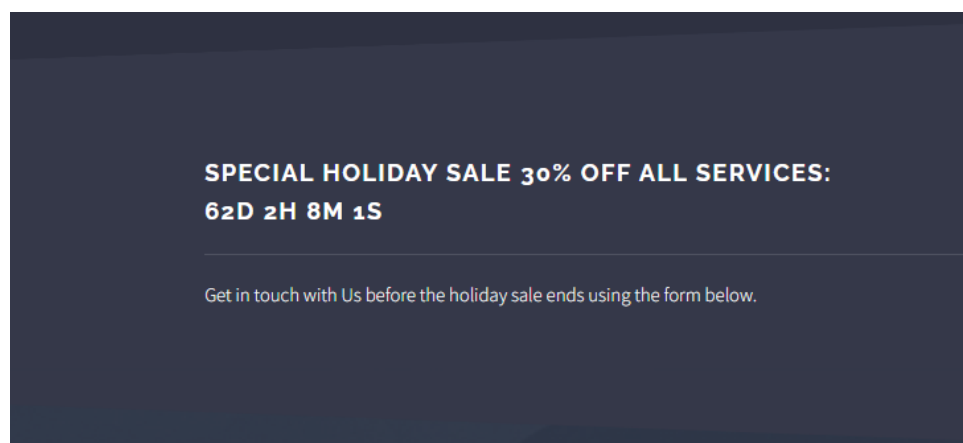
```html
                    </div>
                    <ul class="actions">
                        <li><input type="button" id="formbutton" value="Send Message"/></li>
                    </ul>
                </form>
                <ul class="contact">
                    <li class="icon solid fa-home">
                        BlueSky Inc<br />
                        1234 Tamo Daleko #2894<br />
                        Mirijevska brda, TN 6769-42069
                    </li>
                    <li class="icon solid fa-phone">(420) 666-6769</li>
                    <br>
                    <li class="icon solid fa-envelope"><a href="#">blueskyhost@gmail.com</a></li>
                    <br>
                    <li class="icon brands fa-twitter"><a href="#">twitter.com/blueskyhost</a></li>
                    <br>
                    <li class="icon brands fa-facebook-f"><a href="#">facebook.com/blueskyhost</a></li>
                    <br>
                    <li class="icon brands fa-instagram"><a href="#">instagram.com/blueskyhost</a></li>
                </ul>
                <ul class="copyright">
                    <li>&copy; Djordje Borojevic 101/23 All rights reserved.</li>
                    <li><a href="dokumentacija.pdf"><i class="fa-solid fa-file-pdf"></i></a></li>
                    <li><a href="sajt.zip"><i class="fa-solid fa-file-zipper"></i></a></li>
                    <li><a href="robots.txt"><i class="fa-solid fa-file"></i></a></li>
                    <li><a href="sitemap.xml"><i class="fa-solid fa-sitemap"></i></a></li>
                    <li>Design: <a href="http://html5up.net">HTML5 UP</a></li>
                </ul>
            </div>
        </section>

    </div>

    <!-- Scripts -->
        <script src="assets/js/jquery.min.js"></script>
        <script src="assets/js/jquery.scrollex.min.js"></script>
        <script src="assets/js/browser.min.js"></script>
        <script src="assets/js/breakpoints.min.js"></script>
        <script src="assets/js/util.js"></script>
        <script src="assets/js/main.js"></script>

        <!-- Skripta za dinamicki ispis elemenata, sortiranje i validacije forme -->
        <script src="assets/js/skripta.js"></script>


</body>
</html>
```

autor.html

```html
<!DOCTYPE HTML>
<!--
    Solid State by HTML5 UP
    html5up.net | @ajlkn
    Free for personal and commercial use under the CCA 3.0 license (html5up.net/license)
-->
<html>
    <head>
        <title>BlueSky Hosting</title>
        <meta charset="utf-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no" />
        <link rel="stylesheet" href="assets/css/main.css" />
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"/>
        <noscript><link rel="stylesheet" href="assets/css/noscript.css" /></noscript>

    </head>
    <body class="is-preload">

        <!-- Page Wrapper -->
            <div id="page-wrapper">

                <!-- Header -->
                    <header id="header" class="alt">
                        <h1><a href="index.html">BlueSky Hosting</a></h1>
                        <nav>
                            <a href="#menu">Menu</a>
                        </nav>
                    </header>


                <!-- Menu -->
                    <nav id="menu">
                        <div class="inner">
                            <h2>Menu</h2>
                            <ul class="links">
                                <li><a href="index.html">Home</a></li>
                                <li><a href="autor.html">Autor</a></li>
                            </ul>
                            <a href="#" class="close">Close</a>
                        </div>
                    </nav>

                <!-- Banner -->
                    <section id="banner">
                        <div class="inner">
                            <h2> <i class="fa-solid fa-cloud"></i> BlueSky Hosting</h2>
                            <p>Best cloud hosting provider in Serbia</a></p>
                        </div>
                    </section>
                <!-- Wrapper -->
                    <section id="wrapper">


                        <!-- Autor -->
                            <section id="two" class="wrapper alt spotlight style2">
                                <div class="inner">
                                    <a href="#" class="image"><img src="images/autor.jpg" alt="" /></a>
                                    <div class="content">
                                        <h2 class="major">Autor</h2>
                                        <p>Djordje Borojevic</p>
                                        <p>Index: 101/23</p>
                                        <p>Smer: IT</p>
                                    </div>
                                </div>
                            </section>
```

```html
            <!-- Footer -->
                <section id="footer">
                    <div class="inner">


                        <ul class="copyright">
                            <li>&copy; Djordje Borojevic 101/23 All rights reserved.</li><li>Design: <a href="http://html5up.net">HTML5 UP</a></li>
                        </ul>
                    </div>
                </section>
            </div>

        <!-- Scripts -->
            <script src="assets/js/jquery.min.js"></script>
            <script src="assets/js/jquery.scrollex.min.js"></script>
            <script src="assets/js/browser.min.js"></script>
            <script src="assets/js/breakpoints.min.js"></script>
            <script src="assets/js/util.js"></script>
            <script src="assets/js/main.js"></script>
    </body>
</html>
```

skripta.js

```
index.html      JS skripta.js   X

C: > Users > Djolo > Desktop > sajt > assets > js > JS skripta.js > ...
  1
  2    //regex i validacija forme
  3
  4    const phoneRegex = /^(\+)?[0-9]{7,15}$/;
  5    const emailRegex = /^[\w\d._+-]+\@[\w\d._+-]+\.[a-zA-Z\d]{2,}$/;
  6    const nameRegex = /^[A-ŽĆČĐŠ][a-zĆČžđš]{1,9}$/;
  7    const messageRegex = /\S+/;
  8
  9    let ime = document.getElementById('name');
 10    let fon = document.getElementById('phone');
 11    let mejl = document.getElementById('email');
 12    let poruka = document.getElementById('message');
 13    let dugmeforma = document.getElementById('formbutton');
 14
 15    let imeerror = document.getElementById('nameerror');
 16    let mejlerror = document.getElementById('mailerror');
 17    let fonerror = document.getElementById('phonerror');
 18    let porukaerror = document.getElementById('messageerror');
 19
 20    let radio1 = document.getElementById('demo-priority-low');
 21    let radio2 = document.getElementById('demo-priority-normal');
 22    let radioerror = document.getElementById('radioerror');
 23
 24
 25
 26    dugmeforma.addEventListener('click',function(e){
 27     e.preventDefault();
 28     if(!nameRegex.test(ime.value)){
 29        imeerror.textContent = "enter a valid name ";
 30
 31     }
 32     else(imeerror.textContent='')
 33
 34       if(!emailRegex.test(mejl.value)){
 35         mejlerror.textContent = "enter a valid mail address";
 36
 37     }
 38       else(mejlerror.textContent='')
 39
 40       if(!phoneRegex.test(fon.value)){
 41         fonerror.textContent = "invalid phone number";
 42
 43     }
 44       else(fonerror.textContent='')
 45
 46       if(radio1.checked || radio2.checked){
 47         radioerror.textContent='';
 48     }
 49       else(radioerror.textContent="please select an option")
 50
 51
 52       if(!messageRegex.test(poruka.value)){
 53         porukaerror.textContent = "please enter a message";
 54       }
 55       else(porukaerror.textContent = "")
 56
 57    })
 58
```

```javascript
58
59    //generisanje menija
60
61    const navbar = document.getElementById('navbarlist');
62
63    const navbarLinkList = [
64      {
65    href:"index.html",
66    text:"Home",
67      },
68
69      {
70    href:"autor.html",
71    text:"Autor",
72      },
73    ]
74
75    navbarLinkList.forEach(item => {
76      const li = document.createElement('li');
77      const a = document.createElement('a');
78      a.href = item.href;
79      a.textContent = item.text;
80      li.appendChild(a);
81      navbar.appendChild(li);
82    });
83
84
85    // dinamicko generisanje sekcija o nama sa naizmenicnim stilovima
86
87    const sekcijeList = [
88      {
89        id: "one",
90        image: "images/pic01.jpg",
91        title: "Fast. Secure. Reliable Web Hosting.",
92        text: "BlueSkyHost is a modern web hosting provider designed to help students, creators, and small businesses g
93      },
94      {
95        id: "two",
96        image: "images/pic02.jpg",
97        title: "Why Choose BlueSkyHost?",
98        text: "We believe hosting should be simple, affordable, and powerful. Our platform is built to give you peace o
99      },
100      {
101        id: "three",
102        image: "images/pic03.jpg",
103        title: "Powerful Cloud Hosting Built for the Future",
104        text: "Our cloud hosting platform delivers high performance, flexibility, and reliability by using a distribute
105      }
106    ];
107
108    const kontejnerSekcije = document.getElementById("containerSekcije");
109
110    sekcijeList.forEach((item, index) => {
111
112      const sekcija = document.createElement("section");
113      let altovi;
114      if (index % 2 !== 0) {
115        altovi = "alt";
116      } else {
117        altovi = "";
118      }
119      const stilovi = `style${(index % 3) + 1}`;
120
121      sekcija.id = item.id;
122      sekcija.className = `wrapper spotlight ${altovi} ${stilovi}`;
123
124      sekcija.innerHTML = `
125        <div class="inner">
126            <a href="#" class="image">
127                <img src="${item.image}" alt="" />
128            </a>
129            <div class="content">
130                <h2 class="major">${item.title}</h2>
131                <p>${item.text}</p>
132            </div>
133        </div>
134      `;
135
136      kontejnerSekcije.appendChild(sekcija);
137    });
```

```javascript
const services = [
  {
    category: "Hosting Services",
    name: "Shared Hosting",
    description: "A cost-effective solution for beginners and small websites. ",
    features: [ "Ideal for personal sites and projects", "Easy setup and management", "Affordable pricing", "Free SSL certificate" ]
  },
  {
    category: "Hosting Services",
    name: "Cloud Hosting",
    description: "Flexible and scalable hosting powered by multiple servers.",
    features: [ "On-demand resource scaling", "High availability and uptime", "Pay-as-you-use model", "Perfect for growing websites" ]
  },
  {
    category: "Hosting Services",
    name: "VPS Hosting ",
    description: "More power and control than shared hosting.",
    features: [ "Dedicated resources", "Full root access", "Custom server configurations", "Suitable for developers and businesses" ]
  },
  {
    category: "Hosting Services",
    name: "Dedicated Server Hosting",
    description: "A physical server dedicated to one customer.",
    features: [ "Maximum performance", "Full server control", "Advanced security", "Best for high-traffic websites" ]
  },
  {
    category: "Website & Application Services",
    name: "Website Builder",
    description: "Create websites without coding.",
    features: [ "Drag-and-drop editor", "Professional templates", "Mobile-friendly designs", "Fast publishing" ]
  },
  {
    category: "Website & Application Services",
    name: "Application Hosting",
    description: "Optimized hosting for popular apps.",
    features: [ "WordPress hosting", "Database hosting", "CMS and framework support", "One-click installation" ]
  },
  {
    category: "Security Services",
    name: "SSL Certificates",
    description: "Encrypt data and secure websites.",
    features: [ "Free and premium SSL options", "Improves trust and SEO", "Easy installation" ]
  },
  {
    category: "Security Services",
    name: "DDoS Protection",
    description: "Protect websites from malicious attacks.",
    features: [ "Traffic filtering", "Automatic threat detection", "Network-level protection" ]
  },
  {
    category: "Security Services",
    name: "Backup & Recovery",
    description: "Keep your data safe.",
    features: [ "Automated daily backups", "Easy data restoration", "Off-site storage" ]
  },
  {
    category: "Email & Domain Services",
    name: "Domain Registration",
    description: "Register and manage domains in one place.",
    features: [ "Multiple domain extensions", "Easy DNS management", "Domain privacy protection" ]
  },
  {
    category: "Email & Domain Services",
    name: "Email Hosting",
    description: "Professional email solutions.",
    features: [ "Custom domain email addresses", "Spam and virus protection", "Webmail and mobile access" , "Easy migration" ]
  },
  {
    category: "Support & Management",
    name: "Managed Hosting",
    description: "We handle the technical work for you.",
    features: [ "Server maintenance", "Software updates", "Security monitoring", "Technical support" ]
  },
  {
    category: "Support & Management",
    name: "24/7 Technical Support",
    description: "Help whenever you need it.",
    features: [ "Live chat and email support", "Knowledge base and tutorials", "Fast response times","24/7 uptime" ]
  } ];
```

```javascript
219
220    //ispis i filtriranje servisa
221
222    const servisListaKontejner = document.getElementById("services-list");
223    const loadMoreBtn = document.getElementById("seemorebutton");
224    const kategorijeSelect = document.getElementById("demo-category");
225
226    const brUcitaj = 2;
227    let currentIndex = 0;
228    let filtrirano = [...services];
229
230    const kategorije = [...new Set(services.map(s => s.category))];
231    kategorije.forEach(cat => {
232      const option = document.createElement("option");
233      option.value = cat;
234      option.textContent = cat;
235      kategorijeSelect.appendChild(option);
236    });
237
238    function prikaz(reset = false) {
239      if (reset) {
240        servisListaKontejner.innerHTML = "";
241        currentIndex = 0;
242      }
243
244      const nextItems = filtrirano.slice(
245        currentIndex,
246        currentIndex + brUcitaj
247      );
248
249      nextItems.forEach((service, index) => {
250        const article = document.createElement("article");
251
252        article.innerHTML = `
253          <a href="#" class="image">
254            <img src="images/pic0${((currentIndex + index) % 4) + 4}.jpg" alt="${service.name}">
255          </a>
256          <h3 class="major">${service.name}</h3>
257          <p>${service.description}</p>
258          <ul>
259            ${service.features.map(f => `<li>${f}</li>`).join("")}
260          </ul>
261          <a href="#footer" class="special">Contact Us</a>
262        `;
263
264        servisListaKontejner.appendChild(article);
265      });
266
267      currentIndex += brUcitaj;
268
269      if (currentIndex >= filtrirano.length)
270      {
271        loadMoreBtn.style.display = "none";
272      } else {
273        loadMoreBtn.style.display = "inline-block";
274      }
275    }
276
```

```javascript
// inicijalno prikaz

prikaz();

// ucitavanje

loadMoreBtn.addEventListener("click", (e) => {
  e.preventDefault();
  prikaz();
});

// Filteriranje

kategorijeSelect.addEventListener("change", () => {
  const selektovanaKategorija = kategorijeSelect.value;

  if (selektovanaKategorija) {
    filtrirano = services.filter(s => s.category === selektovanaKategorija);
  } else {
    filtrirano = [...services];
  }

  prikaz(true); // Resetuje
});


//snizenje tajmer

let tajmerDatum = new Date("Mar 14, 2026 23:59:59:59").getTime();
setInterval(function(){

  let trenutniDatum = new Date().getTime();
  let razlika = tajmerDatum - trenutniDatum;

  let dani = Math.floor(razlika / (1000 * 60 * 60 * 24));
  let sati = Math.floor((razlika % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60));
  let minuti = Math.floor((razlika % (1000 * 60 * 60)) / (1000 * 60));
  let sekunde = Math.floor((razlika % (1000 * 60)) / 1000);

  if(document.getElementById('snizenjetajmer')){
    document.getElementById('snizenjetajmer').innerHTML ="SPECIAL HOLIDAY SALE 30% off ALL services: <br>"+ dani + "d " + sati + "h " + minuti + "m " + sekunde + "s";
  }
},1000);
```