```
Korisničko ime: enter your username
 <!DOCTYPE html>
                                                   <form target="_self" action="/processForm.php" method="GET">
                                                                                                                            Lozinka: ••••
 <html lang="en">
                                                     <!-- target: self unutar istog, blank unutar novog -->
                                                                                                                            Skriven input
 <head>
                                                                                                                              Uloga
  <meta charset="UTF-8">
                                                     <label>Korisnicko ime: <input type="text"
                                                                                                                              O Administrator
                                                                       name="username" value="enter your username"
  <meta name="viewport"
                                                                                                                              Korisnik
          content="width=device-width,
                                                                       size="30"></label><br/>
           initial-scale=1.0">
                                                                                                                              Dodatne opcije
                                                      <label>Lozinka: <input type="password"
  k rel="stylesheet" type="text/css"

☐ Stakla

                                                                                                                              Felge
          href="styles/main.css">
                                                                       name="password"
  <script src="scripts/main.js"></script>
                                                                       maxlength="30" required></label><br/>
                                                                                                                            Opcija2 🗸
                                                      <a href="label"></a>Skriven input <input type="text" hidden readonly></label>
 </head>
                                                                                                                             mm / dd / yyyy
 <body></body>
                                                                                                                            Datoteka: Browse... No file selected.
                                                     <fieldset> <!-- radio-button -> izbor jednog -->
                                                                                                                            Inicijalan sadrzaj
 </html>
                                                        <legend>Uloga</legend>
                                                                                                                             Submit
                                                                                                                                    Odustani
                                                        <label><input type="radio" name="role"
 <b>Bold <strong>text</strong></b>
                                                                                                                               Jednostavni:
                                                                       value="admin" checked>Administrator</label><br/>br/>
 <i>Italic <em>text</em></i>
                                                                                                                               * => sve
                                                        <input type="radio" id="user" name="role" value="user">
 <ins>underlined<del>crossed text</del></ins>
                                                                                                                               h1, li => svi h1 i li
                                                        <label for="user">Korisnik</label>
 <time datetime=
                                                                                                                               li.c1 => svi li s klasom c1
"1969-07-20 20:17">20.srp '69., 20:17</time>
                                                     </fieldset>
                                                                                                                               Atributni:
 <figure><img src="slika.jpg" height="300px"
                                                                                                                               li[id="z2"] => svi li s id=z2
                                                     <fieldset> <!-- checkbox -> bilo koji broj -->
 alt="Opis">
                                                          <legend>Dodatne opcije</legend>
 <figcaption>Tekst ispod slike</figcaption></figure>
                                                                                                                               Kombinirani:
                                                          <label><input type="checkbox"
 div span => svi span unutar div
                                                                  name="stakla" value="da" checked>Stakla</label><br/>
  G

    G

                                                                                                                               div > span => neposredna djeca span
                                                          <label><input type="checkbox"
  style="list-style-type:circle;">K

    K

                                                                                                                               roditelja div
                                                                  name="felge" value="da">Felge</label>
 div+span => svaki span koji ima
 </fieldset>
                                           Java
                                                                                                                               zajednickog roditelja s nekim div
                                                        <select name="padajuca_lista" size="1">
  <!-- 1,A,a,I -> nacin numeriranja -->
                                                                                                                               div~span => isto kao +, ali odabire
                                           3. C
  Java
                                                          <!-- multiple za selectanje vise -->
                                                                                                                               samo nakon diva
  C
                                                          <option value="opcija" selected>Opcija</option>
                                      ۩><&"
                                                          <option value="opcija">Opcija2</option>
 </01>
                                                                                                                               Pseudoklasa:
 ۩><&amp;&quot;
                                                         </select><br/>
                                                                                                                               div:hover => na hover misa
                                                        <input type="date" name="trip_start"><br/>
 (razmak)
                                                                                                                               li:first-child => li koji je prvo dijete
                                     Naslov1
                                                        <label>Datoteka:
                                                                                                                               roditelja
                                            Opis1
  <dt>Naslov1</dt><dd>Opis1</dd>
                                                             <input type="file" name="datoteka"></label><br/>
                                                                                                                               input:required => svi required inputi
                                                             <!-- mora biti POST u method -->
  <dt>Naslov2</dt><dd>Opis2</dd> Naslov2
                                                        <textarea name="tijelo" rows="10"
 </dl>
                                            Opis2
                                                                                                                               Pseudoelementi:
                                                                        cols="50">Inicijalan sadrzaj</textarea><br/>
 p::before, p::after {content: "\"";} =>
                                                        <input type="submit" value="Submit">
 <colgroup> <!-- uredivanje stila stupaca -->
                                                                                                                               ubaci " prije i poslije paragrafa
                                                        <input type="reset" value="Odustani">
    <col> <!-- preskoci prvi stupac -->
                                                                                                                               p::first-letter
    <col span="2" style="background-color: cyan;">
                                                       </form>
                                                                                                                               p::first-line
   <!-- uredi iduca dva -->
                                                      <!--
                                                                                                                               p::selection => dio elementa koji je
                                                        greske kodiranja sadrzaja:
 </colgroup>
                                                                                                                               odabrao korisnik
                                                        ponovljeno ime elementa, atribut disabled, atribut nije definiran
                                                                                                                               inline => 1000
  application/x-www-form-urlencoded -> cust=Pero+Peri%C4
                                                                                                                               \#id => 100
                                                        text/plain -> za developere -> cust=Pero address=Ulica
 Uzorci
                                                                                                                               .class, :pseudo-class, [attribute] => 10
   a11
                               Jzo rci
                                                                                                                               <TAG>, ::pseudo-element => 1
                                                                                            a12
                                                            .flex-container {
                                                                                                                               <body>, * => 0
                                                                                               class="item">1
 display: flex;
                                                                                               class="item">3
                                                                                                                               border: inherit => uzmi od roditelja
 flex-flow: column wrap;
                                                                                                                               border: initial => iskljuci sve, uzmi od
                                                                                             a21
                                                                nowrap (stisni sve elemente ako se smanji prostor)
                                                                                                                               browsera
 wrap (kreni slagat elemente po redu odozgora prema dolje)
                                                                                                                               border: unset => inherit ako ima
 wrap-reverse(odozdo prema gore ih slazi po redu)
                                                                                                                               matching value, initial inace
                                                               justify-content:flex-start;
 <a href="http://www.fer.hr/index.html">fer</a>
                                                              /* justify-content:flex-start(lijevo),flex-end(desno)
                                                                                                                               neki css elementi:
 <a href="#b2" title="1. poglavlje">poglavlje</a>
                                                                center, space-betweeen, space-around, space-evenly po x-osi*/
                                                                                                                               font-family, font-weight:bold, font-size,
 <h3 id="b2">Skoci na ovo poglavnje</h3>
                                                                  aiign-items: flex-start;
                                                                                                                               font-style:italic, text-
 <hr /> <!-- horz crta-->
                                                                  /* align-items:flex-start(gore),flex-end(dolje),center */
                                                                                                                               decoration:underline/none
                                  <div class="grid-container">
                                                                   /* align-content: space-around;
                                                                                                                               text-align, text-indent, letter-spacing,
<code></code>
                                                                       align-content: flex-start(gore),flex-end(dolje),
                                   <div class="grid-item">1</div>
                                                                                                                               line-height
<div class="grid-item">2</div>
                                                                         center, space-between, space-around, space-evenly
                                                                                                                               background-image: url('./images/x.jpg')
<kbd>keyboard el</kbd>
                                   <div class="grid-item spoji">\</div>
                                                                           skupi sve elemente i mice ih po y osi
                                                                                                                               background-repeat: no-repeat, repeat
<samp>sample output</samp>
                                   <div class="grid-item spoji ">/</div>
                                                                                                                               box-sizing: border-box
@media screen and
                                  </div>
                                                                                                                               display: block/inline/inline-block
                                                                           .spoji{
(max-width:768px) {
                                                                                                                               padding, border, margin
                                                                               grid-column-start: 1; grid-column-end: 3;
                                  .grid-container{
// za veličine 768px i manje(pc)
                                                                               grid-row-start: 2;
                                                                                                   grid-row-end: 3;
                                                                                                                               margin:auto => centriranje
// min je za mobitele
                                    grid-template-columns: 10fr 5fr;
                                                                               grid-area: 1/2/3/3 }
                                                                                                                               max-width, width
 body {background-color:blue;}}
                                    justify-items: end;
                                                                                                                               position: relative/absolute/fixed
                                    /* lijevo,centar,desno -> start,center,end */
                                    align-items: end;
                                                                                                                               Važniji globalni atributi: id,class,
                                    /* gore, sredina, dolje -> start, center, end, stretch */ }
                                                                                                                               lang,title,style
 by Aux, Spike, Krampert
```

```
var x = 123e-5; let y = "string";
                                             Booelan
                                                                        setTimeout( () => console.log(3), 3000); // nakon 3s
const z = 'string';
                                             (undef,null,NaN,0,"")
                                                                        let promise = new Promise( (resolve, reject) => {
// "1"+'2'="12", Number(1)+Number(2)=3
                                                                                  setTimeout( () => {
let exp = 2^{**}3 // 2^{3} = 8
                                                                                     console.log("nakon 3 sekunde...");
                                            btn.onclick = () => { //do something};
          // strings \\
                                                                                      if (false) {
                                            btn.setAttribute('onclick', 'f()');
let s = \text{"he said: } \xd\"";
                                                                                          resolve("dobro izvrsen");
                                            f();
let len = s.length;
let index = s.indexOf("xd"); // .lastIndexOf()
                                                                                          reject("lose izvrsen");
let newString = s.slice(1,2); // [od,do),e
                                                                                          // moze i npr reject(new Error("lose izvrsen")) }
let numToString = (123).toString();
                                                                                  }.
let stringToNum = Number(numToString);
                                                                                  3000);
          // functions \\
                                                                        });
function f1(x="default value") {
                                                                        promise.then(
          console.log(x);
                                                                                  function(result) {console.log(result);},
                                                                                          // ako resolve, onda se ovo izvrsava, result = "dobro izvrsen"
let f2 = function(x) {console.log(x);}
                                                                                  function(error) {console.log(error);}
let f3 = (x) => console.log(x);
                                                                                         // ako reject, onda se ovo izvrsava, result = "lose izvrsen"
          // arrays \\
                                                                        );
let arr = [1,2,3,5,6,1,7,8];
                                                                        promise.catch(
let last = arr.pop(); // makne i returna zadnji
                                                                                  function(error) {console.log(error);} // samo ako reject
arr.push(4); // append na kraj
let first = arr.shift(); // makne i returna prvi
                                                                        promise.catch(
arr.unshift(5); // ubaci na pocetak
                                                                                  function(error){console.log(error);}
arr.splice(1,2); // brise 2 elementa od indeksa 1
                                                                       ).then(
let arr2 = [6, 7];
                                                                                  function(result){console.log("Resolve:"+result)},
let arr3 = arr.concat(arr); // spoji
                                                                                  function(result){console.log("Reject:"+result)}
arr4 = arr3.slice(1,3);
                                                                            // catch ce uhvatit error, u then se ce pozvat prva funkcija s result = undefined
console.log(arr4.includes(6));
                                                                                                       //Fetch\\
arr.sort( function(a,b){return b - a}); // sort sa komparatorom (desc)
                                                                        let promise2 = fetch("https://web1lab2.azurewebsites.net/products?categoryId=1");
arr.reverse();
                                                                        promise2.then( // obraduje se promise od fetcha
arrEven = arr.filter((x) => x\%2==0);
                                                                                  function(response) {
for (let element of arr) {console.log(element);} // elementi
                                                                                        if (!response.ok) { throw new Error("Cannot load"); }
for (let index in arr) {console.log(index);} // indeksi
                                                                                        else { return response.json(); } // novo obecanje reponse.json()
          // classes, objects \\
                                                                                  },
class Person {
                                                                                  function(error) { throw error; }
   lastName = "Doe";
                                                                       ).then(
                                                                                      // obraduje se promise od response.json
   age = 50;
                                                                                  function(response) { console.log("Loaded JSON"); }
   constructor(firstNameValue) {this.firstName = firstNameValue;}
                                                                       ).catch(
                                                                                       // catch hvata gresku u bilo kojem promiseu
   get lastName() {return this.lastName;}
                                                                                  function(error) { console.log(error); }
   set lastName(newLastName) {this.lastName = newLastName}
                                                                                                       //LoadJson\\
let person1 = new Person("John");
                                                                        async function LoadJSON() { // funkcija se izvodi asinkrono
person1.lastName = "Williams";
                                                                            let promise = await fetch("https://web/categoryId=1");
person1.firstName = "Jake";
                                                                               // unutar funkcije, await se izvodi sinkrono (ostatak funkcije ceka)
for (let value of Object.values(person1)) {console.log(value)}
                                                                            if (!promise.ok) { throw new Error ("Cannot load"); }
          // try-catch \\
                                                                            else { var jsonContents = await promise.json(); }
try {
                                                                                  console.log(jsonContents);
          throw "error";
} catch(err) {
                                                                        LoadJSON().catch(
          console.log(err);
                                                                                  (error) => {console.log(error);}
} finally {
                                                                       )
          var x = 2; 
let html = document.documentElement;
                                                                   <body>
let body = document.body;
                                                                     aa
 let head = document.head;
 let bodyChildrenElements = body.children; // samo html elementi
                                                                     <h1 class="c2"> Naslov </h1>
 let bodyChildren = body.childNodes;
                                                                       Paragraf 
  // sadrzi i tekst, npr "aa bb" je jedan clan, te svaki \n
                                                                   </body>
 let h1 = body.firstElementChild;
  // samo html elementi, .firstChild za sve
                                                       let newP = document.createElement("p");
let script = body.lastElementChild;
                                                       newP.innerHTML = "novi paragraf";
  // samo html elementi, .lastChild za sve
                                                       body.appendChild(newP);
                                                       alert("hey");
let p = h1.nextElementSibling;
                                                                                                               // local storage \\
                                                       let answer = prompt("name?", "default");
h1 = p.previousElementSibling;
                                                                                                              let Is = window.localStorage;
                                                       let response = confirm("cookies?");
                                                                                                                                             Module2.js
body = h1.parentElement;
                                                                                                              ls.setItem("item", 2);
                                                                  // JSON \\
                                                                                                                                             import sum from "./module1.js
                                                                                                              let keyAtIndex0 = ls.key(0);
p = document.getElementById("i1");
                                                       let person = {firstName:"John"
                                                                                                                                             let result=sum(a,b)
                                                                                                              let length = ls.length;
h1 = document.querySelector(".c2"); // css selektori
                                                               , lastName: "Doe", age:50, eyeColor: "blue"};
                                                                                                              let item = ls.getItem("item");
 p_h1 = document.querySelectorAll(".c2");
                                                                                                                                             Module1.js
                                                       let personJSON = JSON.stringify(person);
                                                                                                              ls.removeItem("item");
 p.style.backgroundColor = "Red";
                                                                                                                                             export function sum(a, b){
                                                       let personFromJSON = JSON.parse(personJSON);
 p.innerHTML = "promjena teksta";
                                                                                                              ls.clear();
                                                                                                                                             return a+b }
```