html	Jednostavni:					
<html lang="en"></html>	* => sve					
<head></head>	h1, li => svi h1 i li					
<meta charset="utf-8"/>	li.c1 => svi li s klasom c1					
<meta <="" name="viewport" td=""/> <td>Atributni:</td> <td></td>	Atributni:					
content="width=device-width,	li[id="z2"] => svi li s id=z2					
initial-scale=1.0">	Kombinirani:					
<li><li>k rel="stylesheet" type="text/css"</li></li>	div span => svi span unutar div					
href="styles/main.css">	div > span => neposredna djeca span roditelja div					
<script src="scripts/main.js"></script>	div+span => prvi span nakon diva, ista razina					
	div~span => isto kao +, ali sve elemente nakon	diva iste razine				
 body>	Pseudoklasa:					
	div:hover => na hover misa					
<figure><img <="" height="300px" src="slika.jpg" td=""/><td colspan="6">li:first-child =&gt; li koji je prvo dijete roditelja</td></figure>	li:first-child => li koji je prvo dijete roditelja					
alt="Opis">	input:required => svi required inputi					
<t< td=""><td colspan="6">Pseudoelementi:</td></t<>	Pseudoelementi:					
<a href="http://www.fer.hr/index.html">fer</a>	p::before, p::after {content: "\"";} => ubaci " prije i poslije paragrafa					
<a href="#b2" title="1. poglavlje">poglavlje</a>	p::first-letter					
<h3 id="b2">Skoci na ovo poglavnje</h3>	p::first-line					
<pre><hr/> <!-- horz crta--></pre>	p::selection => dio elementa koji je odabrao korisnik					
	inline => 1000					
<form action="/processForm.php" method="GET" target="_self"></form>	#id => 100					
target: self unutar istog, blank unutar novog	.class, :pseudo-class, [attribute] => 10					
<label>Korisnicko ime: <input <="" td="" type="text"/><td><tag>, ::pseudo-element =&gt; 1</tag></td><td></td></label>	<tag>, ::pseudo-element =&gt; 1</tag>					
name="username" value="enter your username"	<body>, * =&gt; 0</body>					
size="30"> 	border: inherit => uzmi od roditelja					
<label>Lozinka: <input <="" td="" type="password"/><td>border: initial =&gt; iskljuci sve, uzmi od browsera</td><td>ı</td></label>	border: initial => iskljuci sve, uzmi od browsera	ı				
name="password"	border: unset => inherit ako ima matching valu					
maxlength="30" required> 	neki css elementi:					
<label>Skriven input <input hidden="" readonly="" type="text"/></label>	font-family, font-weight:bold, font-size, font-st	yle:italic, text-decoration:underline/none				
	text-align, text-indent, letter-spacing, line-heigh					
<fieldset> <!-- radio-button ---> izbor jednog&gt;</fieldset>	background-image: url('./images/x.jpg')					
<legend>Uloga</legend>	background-repeat: no-repeat, repeat					
<label><input <="" name="role" td="" type="radio"/><td>box-sizing: border-box</td><td></td></label>	box-sizing: border-box					
value="admin">Administrator 	display: block/inline/inline-block					
<input checked="" id="user" name="role" type="radio" value="user"/>	padding, border, margin	arr4 = arr3.slice(1,3); //indexi od 0, 1 element,2 element, 3 ne				
<label for="user">Korisnik</label>	margin:auto => centriranje	console.log(arr4.includes(6)); //vraca bool				
	max-width, width, vw, vh, vmin, vmax	arr.sort( function(a,b){return b - a} ); // sort sa komparatorom				
<fieldset> <!-- checkbox ---> bilo koji broj&gt;</fieldset>	position: relative/absolute/fixed	(desc)				
<legend>Dodatne opcije</legend>	Važniji globalni atributi: id,class,	arr.reverse();				
<label><input <="" td="" type="checkbox"/><td>lang,title,style</td><td>arrEven = arr.filter( <math>(x) \Rightarrow x\%2==0</math>);</td></label>	lang,title,style	arrEven = arr.filter( $(x) \Rightarrow x\%2==0$ );				
name="stakla" value="da" checked>Stakla 	ang, are, or, re	for (let element of arr) {console.log(element);} // elementi				
<label><input <="" td="" type="checkbox"/><td></td><td>for (let index in arr) {console.log(index);} // indeksi</td></label>		for (let index in arr) {console.log(index);} // indeksi				
name="felge" value="da">Felge		// classes, objects \\				
	var x = 123e-5; let y = "string";	class Person {				
<select name="padajuca_lista" size="1"></select>	const z = 'string';	lastName = "Doe";				
multiple za selectanje vise	// "1"+'2'="12", Number(1)+Number(2)=3	age = 50;				
<pre><option selected="" value="opcija">Opcija</option></pre>	let $\exp = 2^{**3} // 2^{3} = 8$	constructor(firstNameValue) {this.firstName =				
<pre><option value="opcija">Opcija2</option></pre>	// strings \\	firstNameValue;}				
 	let s = "he said: \"xd\"";	get lastName() {return this.lastName;}				
<input type="submit" value="Submit"/>	let len = s.length;	set lastName(newLastName) {this.lastName =				
<input type="reset" value="Odustani"/>	let index = s.indexOf("xd"); // .lastIndexOf()	newLastName}				
	let newString = s.slice(1,2); // [od,do),e	}				
</td <td>let numToString = (123).toString();</td> <td>let person1 = new Person("John");</td>	let numToString = (123).toString();	let person1 = new Person("John");				
greske kodiranja sadrzaja:	let stringToNum = Number(numToString);	person1.lastName = "Williams";				
ponovljeno ime elementa, atribut disabled, atribut nije definiran	// functions \\	person1.firstName = "Jake";				
application/x-www-form-urlencoded -> cust=Pero+Peri%C4	function f1(x="default value") {	for (let value of Object.values(person1)) {console.log(value)}				
text/plain -> za developere -> cust=Pero address=Ulica	console.log(x);	// try-catch \\				
>	}	try {				
Korisnicko ime: enter your username	let f2 = function(x) {console.log(x);}	throw "error";				
Lozinka:	let $f3 = (x) \Rightarrow console.log(x);$	} catch(err) {				
Skriven input	// arrays \\	console.log(err);				
_Uloga	let arr = [1,2,3,5,6,1,7,8];	} finally {				
O Administrator	let last = arr.pop(); // makne i returna zadnji	var x = 2;				
<ul><li>Korisnik</li></ul>	arr.push(4); // append na kraj	vui A = 2, j				
Dodatne opcije	let first = arr.shift(); // makne i returna prvi					
✓ Stakla	arr.unshift(5); // ubaci na pocetak					
☐ Felge	arr.splice(1,2); // brise 2 elementa od indeksa 1					
Opcija V	let $arr2 = [6, 7];$					
Submit Odustani	let arr3 = arr.concat(arr); // spoji					
_dolling   GddGcdiii						

by Aux,Spike,Krampert

```
Primjena HTTP - Cloud Computing, Rest, www, WOT
setTimeout( () => console.log(3), 3000); // nakon 3s
                                                                                    URI - uniformni (struktura zapisa)
let promise = new Promise( (resolve, reject) => {
          setTimeout( () => {
                                                                                               - identifikator (infromacija koja omogucuju razlikovanje resursa)
          console.log("nakon 3 sekunde...");
                                                                                               - resurs (informacijski izvor)
                                                                                    URL, URN - podskup od URI
           if (false) {
                                                                                    URN -jedinstvenost i trajnost identifikacije
              resolve("dobro izvrsen");
                                                                                              pr. urn:ietf:rfc:2616
           } else {
                                                                                    URL - sadrzi informaciju o lokaciji
             reject("lose izvrsen");
                                                                                              pr. http://www.ietf.org/rfc/rfc.txt
          },
                                                                                    Primjeri URI-a (http://www.ietf.org/rfc/rfc2396.txt,mailto:John.Doe@example.com
          3000);
                                                                                                                               --> apsolutni (puno ime web adrese,www.fer.hr)
});
                                                                                                                               --> relativni (skraceno, npr localhost)
promise.then(
 function(result) {console.log(result);},
                                                                                               Analiza URI-a
 // ako resolve, result = "dobro izvrsen"
                                                                                    http:{shema,nacin pristupa resursu(HTTP)}//www.fer.unizg.hr{host name(ip adresa ili ime)}/
 function(error) {console.log(error);}
                                                                                                                               |gdje|
 // ako reject, result = "lose izvrsen"
                                                                                    predmet/rppzwpu{put resursa}
                                                                                       sto se dohvaca
);
                                                                                    shema:(http,ftp,urn,file)// <autoritet> <put {/predmet}> ? <upit {web=prag}> {put,upit isto
promise.catch(
                                                                                    neobavezno}
 function(error) {console.log(error);}// samo ako reject
                                                                                    pr. http://www.google.com:81/search?q=web{html#b3 -> skakanje po poglavljima}
                                                                                    <a href="../djelatnost/nastava/intstv.html>Internet stvari </a> (popni se na folder vise, spusti na
promise.catch(
          function(error){console.log(error);}
                                                                                    djelatnost/nastava/, otvori intstv.html
).then(
          function(result){console.log("Resolve:"+result)},
                                                                                                Poruke HTTP
          function(result){console.log("Reject:"+result)}
                                                                                    request
                                                                                                                               reply
                                                                                    Get /pred/web HTTP 1.0
                                                                                                                    HTTP 1.1 200 OK Pocetni redak
    // catch ce uhvatit error, u then se ce pozvat prva funkcija s result = undefined
                                //Fetch\\
                                                                                                                        Content-type Zaglavlja
let promise2 = fetch("https://web1lab2.azurewebsites.net/products?categoryId=1");
                                                                                    ...
promise2.then( // obraduje se promise od fetcha
                                                                                                                               redak
                                                                                    prazan
                                                                                                                       <!Doctype html> <html> tijelo poruke
          function(response) {
                                                                                    ...
                if (!response.ok) { throw new Error("Cannot load"); }
                                                                                               Metode zahtjeva
                else { return response.json(); } // novo obecanje reponse.json()
                                                                                    GET - dohvacanje sadrzaja, HEAD- dohvacanje podataka o resursu(nema sadrzaja u tijelu za
          },
                                                                                    razliku od GET)
          function(error) { throw error; }
                                                                                    , POST(sign up, comment,burza grupa),PUT,DELETE
).then(
             // obraduje se promise od response.json
          function(response) { console.log("Loaded JSON"); }
                                                                                    HTTP reply - HTTP/1.1 {inacica protokola} 404 {kod} Not FOund {opis}
).catch(
              // catch hvata gresku u bilo kojem promiseu
                                                                                    Kod - 1xx (info){100-Continue}, 2xx(success){200-OK}, 3xx{301-permanet redirect},4xx(client
                                                                                    err){400-Bad request}{404-Not Found}
          function(error) { console.log(error); }
                                                                                          5xx(server error){500-Internal server err}{503-Service Unavailable}{505- http version not
                                                                                    supported}
                                //LoadJson\\
                                                                                    GET koristi link, POST body
async function LoadJSON() { // funkcija se izvodi asinkrono
                                                                                              dns server www.fer.hr
                                                                                    opera
   let promise = await fetch("https://web/categoryId=1");
                                                                                    fer.hr?
      // unutar funkcije, await se izvodi sinkrono (ostatak funkcije ceka)
                                                                                    ---->
   if (!promise.ok) { throw new Error ("Cannot load"); }
                                                                                    <-----
    else { var jsonContents = await promise.json(); }
                                                                                                                          Validacija - moze se povuci js koji radi validaciju da se
          console.log(jsonContents);
                                                                                            GET /pred/web
                                                                                                                           ne salje na server
                                                                                    ----->
                                                                                                                          Cilj cache-a -> smanjiti odziv,internetski
LoadJSON().catch(
                                                                                     HTTP 200 OK +index.html
                                                                                                                          promet, opterecenje
                                                                                    <-----
          (error) => {console.log(error);}
                                                                                                                          Uvjetni GET -> IF-Match, IF-None-Match, If-Range
                                                                                    GET css
          ****** prez 8 *******
                                                                                    _____
GET{metoda} / predmet / rppzwpu HTTP{oznaka resursa}/1.1{oznaka protokola}
                                                                                    GET js
Host: www.fer.hr {ime posluzitelja}
HTTP - (hypermedia) prijenos u formatima -> html,meta-data,chunk,
                                                                                    <-----
Media Type -> text/html,image/jpeg,video/quickTime,application/javascript
                                                                                                    ****** prez 9,10 **********
             logo.png?
                                                                                                   Procesni modeli i protokoli
Browser -----> www.fer.hr
                                                                                                   -> in-process (opasno,ISAPI,Apache Server Api,low usage)
                     Content-type image/jpeg
                                                                                                   -> poseban proc(sporo,CGI,low usage)
                     Content-length:1399
                                                                                                   -> poseban proc s pool-om(Fast CGI,PhP)
        <-----
                                                                                                   -> proc s 2 dretve
                                                                                                   -> proc s pool-om
MME Type - (tip/podtip) -> application/javascript, application/json, text/plain
                                                                                                   -> vanjski proc s pool-om dretvi
Ciklus zahtjev-odgovor= jedna konverzacija
                                                                                                   Arhitekture
HTTPS port(443) --> HTTS --> TLS/SSL --> TCP --> IP
                                                                                                   browser <---> server <---> vanjski intrepeter(python)
Uspostava komunikacije TLS - faza rukovanja (dogovor parametara),
                                                                                                   browser <---> server <---> aplikacijski server(Node.js)
           faza komunikacije(kljuc za sifriranje poruka)
                                                                                                   Event Loop -> ako je fja async stavlja se u queue sve dok se sve ne obradi
Tijek komunikacije Server <-> Client
    <- salje zahtjev, -> odgovara certifikatom, <- provjerava certifikat, generira kljuc sjednice
                                                                                                   Versioning -> minor ^version- 1.2.3 -> 1.{1-9}.3
    , salje kljuc sifriran javnim kljucem, -> desifrira kljuc sjednice, <-> koriste kljuc sjednice
                                                                                                               -> major ~ version- 1.2.3 -> {1-9}.2.3
```

2

```
Promises
                                                                  Prijenost stanja -> hidden field, URL rewriting, cookies
 let makePromise=function (x) {
                                                                  Hidden field -> <input name="naziv" type="hidden" value="SID=abc123">
   return new Promise(function (res, rej) {
                                                                    --> pros - podrzan na svakom browseru, ne moze se onemoguciti, performanse
                                                                    --> cons - vidljivi kod izvornog koda, prijenos kod svake transakcije, koristenje obrazaca
        setTimeout(function () {
          res(x);
                                                                  //implementacija session-a
        }, 1000)
                                                                  router.use(session.sessionManager);
     } catch (err) {
                                                                  if(req.session.access_counter === undefined) // postavi access_counter koji smo izmislili
        //handle err
                                                                            req.session.access_counter = 0;
                                                                            //sessionFER\\
   })
                                                                  //session record store
                                                                  let sessionStore = new Map();
 let afAll = async function(){
   let sum=0;
                                                                  //extract sessionID from GET or POST request
   let res = await Promise.all([
                                                                  let sessionID = (req.query[sIDName] || req.body[sIDName]);
     makePromise(getRandomBetw([1,5])).then(function (r1){
        sum+=r1:
                                                                  //fetch the session record
        })
                                                                  let sidRecord = sessionStore.get(sessionID);
      .catch(function (err){
        //handle err
                                                                  if(!sidRecord) {
                                                                  sidRecord = {id: uuid.v4(), created: Date.now()};
     makePromise(getRandomBetw([1,5])).then(function (r2){
                                                                  sessionStore.set(sidRecord.id, sidRecord)
        sum+=r2:
                                                                  //add the session record to the request object
     }).catch(function (err){
                                                                  req.session = sidRecord;
        //handle err
                                                                  //pass the control to the next middleware layer
     })
            ])
                                                                  Url rewriting -> mehanizam oznacavanja sjednica kada cookie nije dostupan
 let sum=0;
                                                                            (https://www.fer.unizg.hr/predmet/or?sid=234a3f0cc7)
 makePromise(getRandom([]))
                                                                     --> pros - neovisan o browseru, ne moze se onemoguciti na klijentu, jednostavan
 .then(function (r1){
                                                                     --> const - prijenos kroz URI, ogranicena kolicina, manja citljivost, dodatna funkcionalnost
   sum+=parseInt(r1);
   return makePromise(getRandom([]));
                                                                  //add sessionID parameter to URL query segment
 }).then(function (r3){
                                                                  return function(url) {
    sum+=parseInt(r3);
                                                                            let newURL = new URL(url)
   console.log(`sum is ${sum}`);
                                                                            newURL.searchParams.append(sIDName, sessionID)
 }).catch(function (err){
                                                                            return newURL.toString()
   //handle err
 })
                                                                  Cookies -> mala kolicina slobodno definiranih vrijednost, do 4kB
 let asyF = async function () {
                                                                          -> stvara server, sprema klijent
   let r1 = await makePromise(getRandom([]));
                                                                            --> domena+put=doseg
   let r2 = await makePromise(getRandom([]));
                                                                            --> sadrzaj - ime=vrijednost,obvezno
   let r3 = await makePromise(getRandom([]));
                                                                            --> domena - ako nije definirano uzima se od servera, npr www.fer.unizg.hr/predmet/or
                                                                            --> put - ako nije definiran uzima se dio URI-a,fer.unizg.hr/nastava/or/labosi.html --> /nastava/or
   console.log("${r1}+${r2}+${r3}=${r1+r2+r2}");
                                                                            -->rok valjanosti, ogranicenje pristupa,sigurnost prosljedivanja(isto za druge domene) <-- opcionalno
******** prez 12 *********
                                                                                       GET /predmet/or
<%= x %> -> x
                                                                                      HOst www.fer.unizg.hr
<%- @x %> ->@x
                                                                  Client---->
validacija - provjera ispravnosti podataka
                                                                                       Set-cookie: sid=mileVOliDisko(sadrzaj);
(moze se provesti na: serveru, bazi, klijentu)
                                                                                       Path=/nastava/or(put);Domain=www.fer.unizg.hr(domena);
    -> forma(disabled, maxlength, max, min, step)
                                                                                      Secure(sigurna veza);HttpOnly(nema lokalnog pristupa);
    -> js (regex, neka fja)
                                                                                      Expires: Wed, ...(istjece, moze i Max-age=3600)
                                                                  <-----Server
Stanja -> na razini citavog sustava(globalno)
                                                                  Uvjeti prosljedivanja cookie-a
      -> na razini korisnika sustava(kosarica)
                                                                    1. server pripada domeni (pr. www.fer.unizg.hr(*host-only),fer.unizg.hr,unizg.hr,hr ->da, carnet.hr->ne)
      -> na razini sjednice između korisnika i sustava(login)
                                                                    2. sadrzan unutar puta (/nastava/or/labosi,nastava/or->da, nastava/oop-> ne)
Tranzijetna pohrana -> nema trajnog cuvanja stanja
                                                                    3. nije isteko rok trajanja, 4.ako je defirniran secure salje se kroz https(ne http)
Prezistentna -> trajno cuvanje(pr. sustav i korisnik)
                                                                    5. ako zabranimo, cookie nece bit proslijeden iz druge domene
                                                                                      GET /nastava/or
Sjednica -> slijed vremenski omeđenih i logički povezanih
                                                                                      Host www.fer.unizg.hr
          transakcija između pojedinog klijenta i poslužitelja
                                                                                      Cookie: sid=abc123
  1. pocetak sjednice(zahtijev klijenta prema serveru
                                                                  Client-----
                    nakon duljeg vremena neaktivnosti)
                                                                                      HTTP/1.1 OK
  2. trajanje sjednice(logicki povezane transakcije
                                                                                      Content-type: text/html
          izmedu klijenta i servera)
  3. zavrsetak sjednice(prestanak rada klijenta)
                                                                  <-----Server
                                                                                      GET /intranet/or
Identifikator sjednice(session token) -> određuje sjednicu,
                                                                                      Host www.fer.unizg.hr
          dodan svakoj transakciji koja pripada sjednici
                                                                                      Cookie: sid=abc123
Prijenos sesssion tokena-a -> URI, header, body
                                                                  Client---->
                                                                                                                                                                     3
                                                                  Trajni -> definiran rok valjanosti
```

SameSite	*****router.js*****			******register.ejs*****			
-> none (cookie se salje na drugu domenu)	const expr		,	<html></html>	- ,		
-> strict(cookie preko druge domene se ne salje,	<pre>const express = require('express'); const router = express.Router();</pre>			<head></head>			
isto ako postoji link na nju)	const {body,validationResult} = require('express-validator');			<%= title %>			
-> lax	const db = require('/db');						
(cookie preko druge domene	router.get('/', async function (req, res, next) {			<body></body>			
se ne salje ali radi link na nju)			•	do(`nortials/boodor`	1. 0/ >		
//cookies.js\\	let rsp = await db.query('SELECT email FROM users');		<pre>&lt;%- include(`partials/header`); %&gt; <form action="/register" method="BOST"></form></pre>				
res.cookie(req.query.name,	//router.get('/:id', function(req,res,next) {			<form action="/register" method="POST"> <fieldset></fieldset></form>			
req.query.value, { path: req.query.path })	//id = parseInt(req.params.id)			<ileiaset></ileiaset>		1.4. (1 1.	
res.clearCookie(req.query.name,	// rsp.rows[i] pristup elementima,			<legend>Registration data</legend>			
{path: req.query.path})	// rsp.rows[i].atribut pristup atributu				<div> <label for="email">Email:</label></div>		
//app.js\\	,		,				
const cookieParser = require('cookie-parser')		ler('register'	, {		<input <="" td="" type="text"/> <td>name="email" id="email"</td>	name="email" id="email"	
//cookie parser middleware		Register',				maxlength="20"	
app.use(cookieParser());	err: u	ndefined,				minlength="2" size="30">	
	users:	rsp.rows,					
//page.js\\	user:	req.session.	user		<div></div>		
router.get('/*', function(req, res, next) {	<b>})</b> ;				<label <="" for="passwo" td=""><td>rd"&gt;Password:</td></label>	rd">Password:	
res.render('page', {	<pre>});</pre>				<input <="" td="" type="text"/> <td>name="pass" id="password"</td>	name="pass" id="password"	
path: req.path,	router.pos	t('/', [				maxlength="20"	
cookies: req.cookies	body('ema	il').trim().is	Email(),			minlength="2" size="30">	
<b>})</b> ;	body('pass	s').trim().isI	.ength({ min:3, max:20 })				
******server.js******			e').toInt().isInt({min:1970,max:2021}),		<div></div>		
<pre>const express = require('express');</pre>	],	- '			<input <="" class="btn" td=""/> <td>type="submit" value="Submit</td>	type="submit" value="Submit	
const app = express();	async fund	ction (req, r	es, next) {			type="reset" value="Reset">	
const path = require('path');	const errors = validationResult(req);				71		
const pg = require('pg')	if (!errors.isEmpty()) {			<% if (err !== unde	fined) { %>		
const db = require('./db')	(11-1-0-01		('register', {		<div></div>		
const session = require('express-session')		10011011401	title: 'Register',		<%= err	· %>	
const pgSession =			err: "Invalid input!",			702	
			users: [],		<% } %>		
require('connect-pg-simple')(session)							
const router = require('./routes/router');		1)	user: req.session.user	. / 6			
app.set('views', path.join(dirname, 'views'));	) -1 (	<b>})</b> ;					
app.set('view engine', 'ejs');	} else {	. (		<div></div>	11		
app.use(express.static(path.join(dirname, 'public')));		try {	. II (INICEDE DEC	Used en			
app.use(express.urlencoded({ extended: true }));			await db.query('INSERT INTO		(usr of users) { %>		
app.use(session({			users(email, password) VALUES (\$1, \$2)',		usr.email %>		
store: new pgSession({			[req.body.email, req.body.pass]		>		
pool: db.pool,			req.session.user = {email: req.body.email};				
<b>})</b> ,			res.redirect('/register');	,	r!== undefined) { %	>	
secret: 'fer-web-lab4',		} catch (er		<div></div>			
resave: false,			console.log(err);	This ses			
saveUninitialized: true,			res.render('register', {	<%= us	er.email %>		
cookie: {maxAge: 24 * 60 * 60 * 1000}			title: 'Register',				
<pre>}));</pre>			err: "Database error!",	<% } %>			
app.use('/register', router);			users: [],				
app.listen(3000);			user: req.session.user				
			});	<b>5</b>			
Opis modela : upisujemo mail i password		}		Registration d	iata		
i tako se registriramo, ispisujemo stare	}			Email:			
mailove i trenutnog, req.session.user =	; });			Password: Rese	ıt Ì		
{email: req.body.email}; moglo se i		ports = rou	ter;	Bubilité Prese			
req.session.user=req.body.email ali ovako		•		Jsed emails: a@	gmail.com lmao@gmai	ll.com av@yahoo.com aaaa@gha.	
mozemo dodat i neki dodatni parametar kojem					aaa@dakdxa.com		

mozemo pristupit preko ejs-a, npr username: req.body.username  $\,$