

VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

DOKUMENTACIJA

<https://jovan-cmd.github.io/supplementshop/>

Web Programiranje 1

Jovan Šinik 70/20

Smer: Internet tehnologije

Modul: Web Programiranje

Predmet: Web Programiranje 1

Sadržaj

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1.Uvod

1.1 Korišćeni programski jezici

Jezici koji su korišćeni za izradu sajta su HTML, CSS(SASS), XML, JavaScript i jQuery

biblioteka JavaScripta.

1.2 Opis funkcionalnosti

Stranica index.html

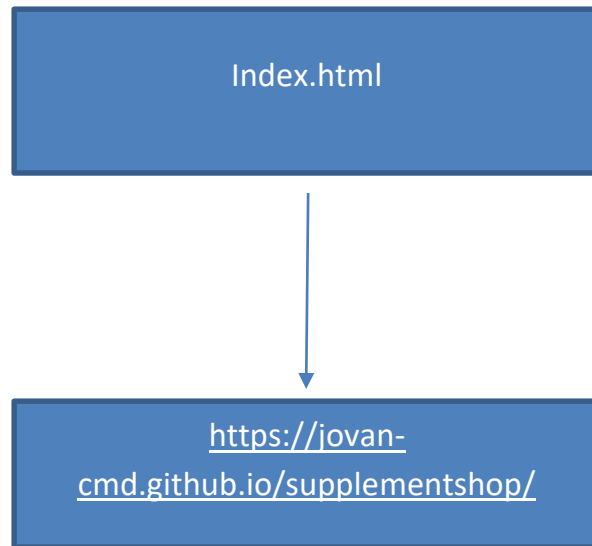
- Dinamički prikaz proizvoda iz prodavnice
- Dinamički prikaz konsultanata na stranici
- Dinamički ispisan "hamburger" na manjim
- Dinamički ispisana forma kao i njeni svi elementi
- Forma koja dinamički proverava da li je sadržaj koji je zadat u formi dobro unesen, pomoću regularnih izraza i petlji, dugmad reset i submit

1.3 Template

Za izradu web stranice nije korišćen template.

2. Organizacija

2.1 Organizaciona šema



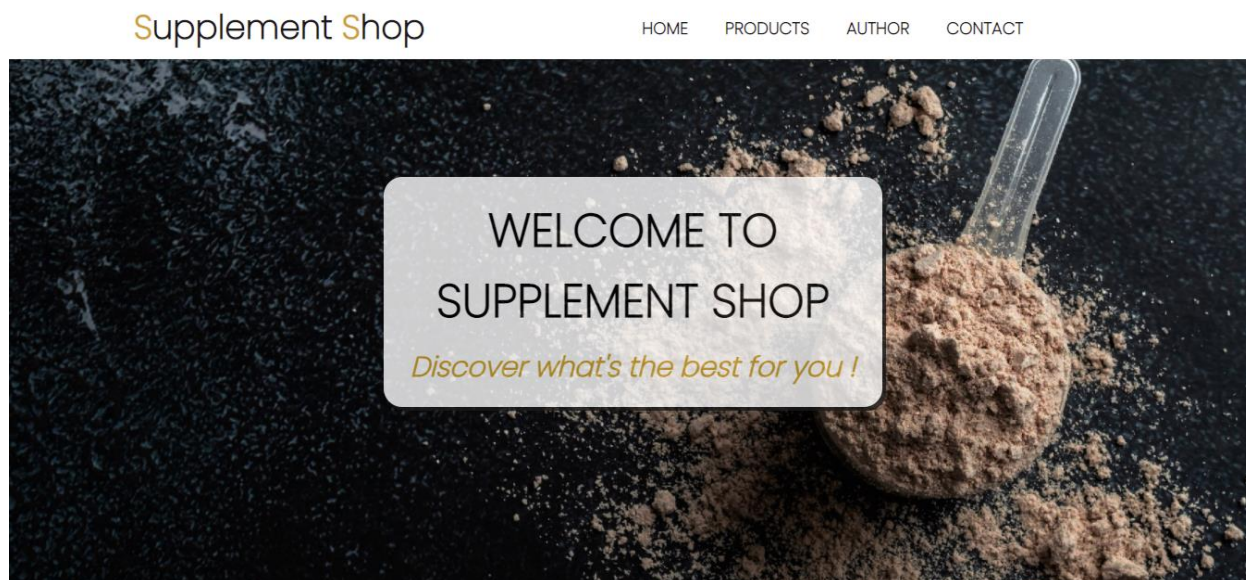
2.2 Mapa sajta

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset
  xmlns="http://www.sitemaps.org/schemas/sitemap/0.9"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.sitemaps.org/schemas/sitemap/0.9
    http://www.sitemaps.org/schemas/sitemap/0.9/sitemap.xsd">

  <url>
    <loc>https://jovan-cmd.github.io/supplementsshop/</loc>
    <lastmod>2021-12-11T18:19:59+00:00</lastmod>
    <priority>1.00</priority>
  </url>
  <url>
    <loc>https://jovan-cmd.github.io/supplementsshop/index.html</loc>
    <lastmod>2021-12-11T18:19:59+00:00</lastmod>
    <priority>0.80</priority>
  </url>

</urlset>
```

2.3 Slike stranica i opis funkcionalnosti



U header-u stranice se nalazi navigacioni meni pomoću kojeg se korisnik može kretati na stranici.



Na sekciji Products se mogu videti proizvodi iz prodavnice. Dinamički se ispisuju preko Javascript-a.

OUR STAFF



Jack Hallow



Maria Mill



Bob Jackson

U sekciji Our Staff se nalaze konsultanti koji su takođe dinamički ubačeni iz Javascript-a. Oni se kasnije mogu birati u formi za prijavu.

ABOUT AUTHOR



Hello, my name is Jovan Šinik and I am 20 years old. I was born on 29th of April 2001 in Belgrade, Serbia. I graduated Gymnasium in my hometown Obrenovac in 2020 and enrolled on ICT College of Vocational Studies in 2021. My love for web development and design began when I was on first year of high school and I proceeded to fulfill that dream through my education in this school. My goal is to specialize in domain of web designing, programming and SEO optimizing and managing data structures. I hope that I will finish my education as soon as possible so I can commit to my projects, as well as projects of my clients. For more information visit my [Portfolio](#)!

Sekcija autor sadrži sliku i kratki opis autora u koji je takođe ubačen i link koji vodi do autorovog portfolija.

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Sekcija u kojoj je napravljena forma koja, ako korisnik želi da se registruje, traži od korisnika da unese korisničko ime koje mora imati jedno veliko, mala slova i brojeve kako bi bilo validno, e-mail mora da sadrži ime koje je korisnik zadao, @ znak i domen na kojem je sajt napravljen u formatu „something@domen.com“. Forma za kraj zahteva od korisnika da upise njegove godine, ako unese manje od 16 godina, forma ce mu reci koliko godina mora da ima. Dugme Register i Reset su programirana u JavaScriptu, jedno da izbaci alert i kaže korisniku da se uspešno registrovao i resetuje stranu, dok drugo resetuje greške na ekranu.

3.Kodovi

3.1 HTML – index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8"/>
  <meta http-equiv="X-UA-Compatible" content="IE=edge"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <script src="https://kit.fontawesome.com/59823f594a.js" crossorigin="anonymous"></script>
  <link rel="preconnect" href="https://fonts.googleapis.com"/>
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin/>
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@200&display=swap" rel="stylesheet"/>
  <link rel="stylesheet" href="assets/scss/style.css"/>
  <link rel="shortcut icon" href="assets/images/favicon.ico" type="image/x-icon"/>

  <title>Supplement Shop</title>
</head>
<body>

  <div class="menu-links">
    <div class="button">
      <a href="#" onclick="closeMenu()">X</a>
    </div>
    <ul>
      <li><a href="index.html">Home</a></li>
      <li><a href="#products">Products</a></li>
      <li><a href="#author">Author</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </div>

  <header>

    <div class="container">
      <div class="logo">
        <h1><a href="index.html"><span>S</span>upplement <span>S</span>hop</a></h1>
      </div>
      <a href="#" class="toggle-button" onclick="openMenu()">
        <span class="bar"></span>
        <span class="bar"></span>
        <span class="bar"></span>
      </a>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="#products">Products</a></li>
          <li><a href="#author">Author</a></li>
          <li><a href="#contact">Contact</a></li>
        </ul>
      </nav>
    </div>

  </div>
```

```

<header>

  <div class="container">
    <div class="logo">
      <h1><a href="index.html"><span>S</span>upplement <span>S</span>hop</a></h1>
    </div>
    <a href="#" class="toggle-button" onclick="openMenu()">
      <span class="bar"></span>
      <span class="bar"></span>
      <span class="bar"></span>
    </a>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="#products">Products</a></li>
        <li><a href="#author">Author</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </div>
</header>
<main>
  <div class="cover">
    <div class="cover-container">
      <div class="heading">
        <h2>
          WELCOME TO SUPPLEMENT SHOP
        </h2>
        <p>
          Discover what's the best for you !
        </p>
      </div>
    </div>
  </div>
  <section class="products" id="products">
    <div class="products-heading"><h3>PRODUCTS</h3>
    </div>

    <div id="inner-products" class="inner-products">
      <!-- generated with javascript -->
    </div>
  </section>
  <section class="staff">
    <div class="staff-heading"><h3>OUR STAFF</h3></div>

    <div id="inner-staff" class="inner-staff">
      <!-- generated with javascript -->
    </div>
  </section>

```

```

<section class="author" id="author">
  <div class="author-heading">
    <h3>ABOUT AUTHOR</h3>
  </div>
  <div class="author-wrapper">
    <div class="author-pic">
      
    </div>
    <div class="text">
      <p>Hello, my name is Jovan Šinik and I am 20 years old. I was born on 29th of April 2001 in Belgrade, Serbia. I graduated Gymnasium in my hometown Obrenovac in 2020 and enrolled on ICT College of Vocational Studies in 2021. My love for web development and design began when I was on first year of high school and I proceeded to fulfill that dream through my education in this school. My goal is to specialize in domain of web designing, programming and SEO optimizing and managing data structures. I hope that I will finish my education as soon as possible so I can commit to my projects, as well as projects of my clients. For more information visit my <a href="https://jovan-cad.github.io/portfolio/">Portfolio</a>!

```

3.2 CSS-SASS

```
@font-face {
  font-family: "myFont";
  src: url(../fonts/Poppins-Extralight.ttf);
}

*{
  margin: 0px;
  padding: 0px;
  box-sizing: border-box;
  scroll-behavior: smooth;
  overflow-x: hidden;
  font-family: "myFont";
}

@mixin fleks{
  display: flex;
  flex-wrap: wrap;
}

@mixin centriranje{
  width: 88%;
  margin: 0px auto;
}

html{
  scroll-padding-top: 65px;
}

.menu-links-open{
  display: flex !important;
}

.menu-links{
  display: none;
  position: absolute;
  z-index: 999;
  justify-content: flex-start;
  align-items: center;
  top: 0;
  left: 0;
  width: 100%;
  height: 100vh;
  background-color: #d69c1c;
  flex-direction: column;

  ul{
    li{
      margin-bottom: 10px;
      a{
        text-decoration: none;
        font-size: 28px;
      }
    }
  }
}
```

```
.button{
  margin-top: 50px;
  margin-bottom: 33vh;

  a{
    text-decoration: none;
    font-size: 40px;
  }
}

toggle-button{
  margin-top: 10px;
}

header{
  width: 100%;
  position: fixed;
  z-index: 1;
  background-color: white;

  .container{
    @include centriranje;
    @include fleks;
    justify-content: space-between;

    .logo{
      padding-top: 5px;
      font-size: 18px;
      width: 30%;

      a{
        text-decoration: none;
        color: rgb(26, 26, 26);

        span{
          color: #d69c1d;
        }
      }

      :hover{
        color: #d69c1d;
        transition: 0.3s;
      }
    }
  }
}
```

```
.toggle-button{
  position: absolute;
  top: .7rem;
  right: 1rem;
  display: none;
  flex-direction: column;
  justify-content: space-between;
  width: 30px;
  height: 21px;

  .bar{
    height: 3px;
    width: 100%;
    background-color: black;
    border-radius: 10px;
  }
}

nav{
  width: 60%;
  ul{
    @include fleks;
    justify-content: center;
    text-transform: uppercase;
    width: 100%;

    li{
      padding: 20px;
      list-style-type: none;
      font-size: 18px;
      font-weight: bold;
      :hover{
        color: #d69c1e;
        transition: 0.3s;
      }
      a{
        text-decoration: none;
        color: rgb(26, 26, 26);
      }
    }
  }
}
}}
```

```
main{  
  .cover{  
    height: 100vh;  
    width: 100%;  
    @include fleks;  
    justify-content: center;  
    align-items: center;  
    text-align: center;  
    background-image: url("../images/coverpicture.jpg");  
    background-repeat: no-repeat;  
    background-size: cover;  
  
    .cover-container{  
      width: 40%;  
      background-color: # white;  
      opacity: 0.8;  
      padding: 20px;  
      border-radius: 20px;  
      box-shadow: 4px 4px # rgb(25, 25, 25);  
  
      .heading{  
        h2{  
          font-size: 50px;  
          margin-bottom: 10px;  
        }  
        p{  
          font-size: 30px;  
          font-style: italic;  
          font-weight: bold;  
          color: # d69c1d;  
        }  
      }  
    }  
  }  
}
```

```
.products{
  width: 100%;
  @include fleks;
  justify-content: center;
  align-items: center;
  text-align: center;

  .products-heading{
    width: 100%;
    justify-content: center;
    text-align: center;
    font-size: 30px;
    padding: 20px;
  }
}

.inner-products{
  width: 90%;
  padding: 20px;

  .product-proteins{
    width: 100%;

    display: flex;
    align-items: center;
    justify-content: space-around;

    .picture{
      width: 30%;

      img{
        width: 100%;
      }
    }
  }
}
```



```
.staff{
  width: 100%;
  @include fleks;
  justify-content: center;
  align-items: center;
  text-align: center;
  background-color: rgba(0,0,0,.1);

  .staff-heading{
    width: 100%;
    justify-content: center;
    text-align: center;
    font-size: 30px;
    padding: 20px;
  }

  .inner-staff{
    width: 90%;
    padding: 20px;

    .staff-bio{
      width: 100%;
      display: flex;
      align-items: center;
      justify-content: space-around;

      .member{
        width: 30%;

        img{
          border-radius: 10px;
          box-shadow: 5px 5px 5px #d69c1c;
          width: 100%;
        }
      }
    }
  }
}
```

```
.author{
  width: 100%;
  @include fleks;
  justify-content: center;
  text-align: center;

  .author-heading{
    width: 100%;
    justify-content: center;
    text-align: center;
    font-size: 30px;
    padding: 20px;
  }
}

.author-wrapper{
  width: 90%;
  padding: 20px;

  display: flex;
  justify-content: space-around;
  flex-wrap: wrap;

  .author-pic{
    width: 50%;
    display: flex;
    justify-content: center;
    align-items: center;
  }

  .text{
    width: 50%;
    display: flex;
    justify-content: center;
    align-items: center;
    font-size: large;
    padding: 0 0 0 20px;

    p{
      text-align: left;
    }

    a{
      color: #d69c1c;
      text-decoration: none;
      font-weight: bold;
    }
  }
}
```

```
.contact{
  width: 100%;
  @include fleks;
  justify-content: center;
  align-items: center;
  text-align: center;
  padding: 50px 0px;

  .contact-heading{
    width: 100%;
    justify-content: center;
    text-align: center;
    font-size: 30px;
    padding: 20px;
  }
  form{
    display: flex;
    flex-direction: column;
    flex-wrap: wrap;
    width: 40%;
    input[type=text], input[type=email], input[type=tel], select{
      width: 100%;
      padding: 20px 10px;
      margin: 10px 0px;
      border: 1px solid #26, 26, 26;
    }

    .buttons{
      margin-top: 30px;
      display: flex;
      justify-content: space-around;
      flex-wrap: wrap;
      button{
        width: 48%;
      }
    }
    .error{
      font-size: 12px;
      margin-top: 2px;
      color: #ff0000;
    }
  }
}
```

```
footer{
  width: 100%;
  display: flex;
  justify-content: center;
  background-color: rgba(0,0,0,.1);

  .footer-links{
    width: 88%;
    padding: 10px;
    color: #d69c1c;
    display: flex;
    justify-content: center;

    li{
      display: inline;

      padding: 0px 20px;

      a{
        text-decoration: none;
        font-size: 18px;
        color: rgb(26, 26, 26);
        font-weight: bold;

        i{
          font-size: 14px;
        }
      }
    }
  }
}
```

```
// responsive
@media screen and (max-width: 1024px) {}
main .cover .cover-container .heading h2, header .container .logo a, main .cover .cover-container .heading p {
  font-size: 24px;
}

@media screen and (max-width: 770px) {
  header .container .logo a {
    font-size: 21px;
  }
  main .cover .cover-container {
    width: 80%;
  }
  main .author .author-wrapper .text p {
    font-size: 12px;
  }
  .toggle-button {
    display: flex !important;
  }
  nav {
    display: none;
  }
  .cover {
    .cover-container {
      .heading {
        h2 {
          font-size: 30px !important;
        }
        p {
          font-size: 28px !important;
        }
      }
    }
  }
  .products {
    .inner-products {
      .product-proteins {
        flex-wrap: wrap !important;
        .picture {
          width: 48% !important;
          text-align: center !important;
          img {
            width: 50% !important;
          }
        }
      }
    }
  }
}
```

```
}
.staff{
  .staff-heading{
    font-size: 25px !important;
  }

  .inner-staff{
    .staff-bio{
      width: 100%;
      display: flex;
      align-items: center;
      flex-wrap: wrap;
      justify-content: space-around;

      .member{
        width: 48% !important;
        text-align: center !important;

        img{
          width: 70% !important;
        }
      }
    }
  }
}
footer{
  .footer-links{
    li{
      a{
        font-size: 10px !important;
      }
    }
  }

  .author{
    .author-wrapper{
      .text{
        font-size: 15px !important;
      }
    }
  }
}
}
```

```
@media screen and (max-width: 430px) {  
  main .author .author-wrapper .author-pic, main .author .author-wrapper .text {  
    width: 100%;  
  }  
  main .author .author-wrapper .text p {  
    padding-top: 10px;  
  }  
  header .container .logo {  
    width: 60% !important;  
  }  
  .products {  
    .inner-products {  
      .product-proteins {  
        .picture {  
          width: 100% !important;  
        }  
      }  
    }  
  }  
  .staff {  
    .staff-heading {  
      font-size: 25px !important;  
    }  
    .inner-staff {  
      .staff-bio {  
        .member {  
          width: 100% !important;  
        }  
      }  
    }  
  }  
}
```

```

    .contact{
      .contact-heading{
        font-size: 30px;
      }
      form{
        width: 90% !important;
        input[type=text], input[type=email], input[type=tel],select{
          width: 100%;
          padding: 20px 10px;
          margin: 10px 0px;
          border: 1px solid #26, 26, 26;
        }

        .buttons{
          margin-top: 30px;
          display: flex;
          justify-content: space-around;
          flex-wrap: wrap;
          button{
            width: 48%;
          }
        }
        .error{
          font-size: 12px;
          margin-top: 2px;
          color: #f00;
        }
      }
    }
  }
  main footer .footer-links li {
    display: block !important;
    padding: 0px 20px;
  }
  footer {
    width: 100%;
    display: -webkit-box;
    display: -ms-flexbox;
    display: flex;
    -webkit-box-pack: center;
    -ms-flex-pack: center;
    justify-content: center;
    background-color: #000;
    .footer-links{
      flex-direction: column !important;
      text-align: center;
    }
  }
}

```

```

@media screen and (max-width: 380px) {
  header .container .logo a {
    font-size: 18px !important;
  }
  main .author .author-heading h3{
    font-size: 16px !important;
  }
  main .author .contact-heading h3{
    font-size: 16px !important;
  }
}

@media screen and (max-width: 325px) {
  header .container .logo a {
    font-size: 16px !important;
  }
  main .cover .cover-container .heading h2, header .container .logo a, main .cover .cover-container .heading p {
    font-size: 16px !important;
  }
  main .products .products-heading h3, main .staff .staff-heading h3{
    font-size: 16px !important;
  }
}

```


3.3 Javascript – main.js

```
//product generation

let imagesArray = ["type2proteinIzmenjeno", "100whey", "proteinmass"];

let products = document.getElementById("inner-products");

let proteins = document.createElement("div");
proteins.setAttribute("class", "product-proteins");

for(image in imagesArray){
  let pictureDiv = document.createElement("div");
  pictureDiv.setAttribute("class", "picture");

  let pictureDivImg = document.createElement("img");
  pictureDivImg.src = `assets/images/${imagesArray[image]}.jpg`;
  pictureDivImg.alt = `${imagesArray[image]}`;

  pictureDiv.appendChild(pictureDivImg);
  proteins.appendChild(pictureDiv);
}

products.appendChild(proteins);
```

```
//staff generation

let pMember = ["Jack Hallow", "Maria Mill", "Bob Jackson"];
let members = document.getElementById("inner-staff");

let staff = document.createElement("div");
staff.setAttribute("class", "staff-bio");

for(let i = 0; i < 3; i++){
  let memberDiv = document.createElement("div");
  memberDiv.setAttribute("class", "member");

  let memberDivImg = document.createElement("img");
  memberDivImg.src = `assets/images/personal-trainer${i + 1}.jpg`;
  memberDivImg.alt = `personal-trainer${i + 1}`;

  let memberP = document.createElement("p");
  memberP.innerHTML = pMember[i];

  memberDiv.appendChild(memberDivImg);
  memberDiv.appendChild(memberP);

  staff.appendChild(memberDiv);
}

members.appendChild(staff);

var menuLinks = document.querySelector(".menu-links");
function openMenu(){
  menuLinks.classList.add("menu-links-open");
}

function closeMenu(){
  menuLinks.classList.remove("menu-links-open");
}

var menuLinksA = document.querySelectorAll('.menu-links ul li a');
for (let i = 0; i < menuLinksA.length; i++) {
  menuLinksA[i].addEventListener('click', () => {
    if (menuLinks.classList.contains('menu-links-open')) {
      menuLinks.classList.remove('menu-links-open');
    }
  })
}
```

Contact.js

```
let trainerArray = ["Choose your consultant", "Jack Hallow", "Maria Mill", "Bob Jackson"];
let selectTrainer = document.getElementById("trainer");

for(let i = 0; i < trainerArray.length; i++){
  var newOption = document.createElement("option");
  newOption.setAttribute("id", `${trainerArray[i]}`);
  newOption.setAttribute("value", `${trainerArray[i]}`);
  newOption.innerHTML = trainerArray[i];
  selectTrainer.appendChild(newOption);
}

let form = document.getElementById("form");

let nameSurname = document.getElementById("name");
let email = document.getElementById("email");
let age = document.getElementById("age");
let trainer = document.getElementById("trainer");

let inputErrors = document.getElementsByClassName("error");
var mistakes;

let regexName = /^[A-Z]{1}[a-z]{2,15}\s[A-Z]{1}[a-z]{2,15}$/;
let regexEmail = /^[a-zA-Z0-9._%]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
let regexAge = /^[0-9]{2}$/;

form.addEventListener("submit", (e) => {
  mistakes = 0;
  e.preventDefault();
  checkName(nameSurname, 0, "Your name is invalid, example: \"Name Surname\"");
  checkEmail(email, 1, "Your email is invalid, example: \"something@domain.com\"");
  checkAge(age, 2, "Please input a number of years", "Sorry, you need to be older to get a trainer");
  checkTrainer(trainer, 3, "Please select a consultant.");
  if (mistakes == 0){
    alert("Thank you for ordering your training plan, we will contact you soon!");
    setTimeout("location.reload(true);", 0);
  }
});

form.addEventListener("reset", () => {
  setTimeout("location.reload(true);", 0);
});
```

```
let checkName = (id, i, message) => {
  if (!regexName.test(id.value)) {
    inputErrors[i].innerHTML = message;
    mistakes++;
  }
  else {
    inputErrors[i].innerHTML = "";
  }
};

let checkEmail = (id, i, message) => {
  if (!regexEmail.test(id.value)) {
    inputErrors[i].innerHTML = message;
    mistakes++;
  }
  else {
    inputErrors[i].innerHTML = "";
  }
};

let checkAge = (id, i, message, message2) => {
  if (!regexAge.test(id.value)) {
    inputErrors[i].innerHTML = message;
    mistakes++;
  }
  else if (parseInt(id.value) < 16) {
    inputErrors[i].innerHTML = message2;
    mistakes++;
  }
  else {
    inputErrors[i].innerHTML = "";
  }
};

let checkTrainer = (id, i, message) => {
  if (id.value == "Choose your consultant") {
    inputErrors[i].innerHTML = message;
    mistakes++;
  }
  else {
    inputErrors[i].innerHTML = "";
  }
};
```