



DOKUMENTACIJA

Web programiranje 1

Student:

Đurđina Radisavljević 10/22

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1 Uvod

1.1 Korišćeni alati

Za izradu sajta su korišćeni HTML, CSS, Bootstarp, XML, JavaScript i jQuery biblioteka.

Radno okruženje: Visual Studio Code

1.2 Opis funkcionalnosti

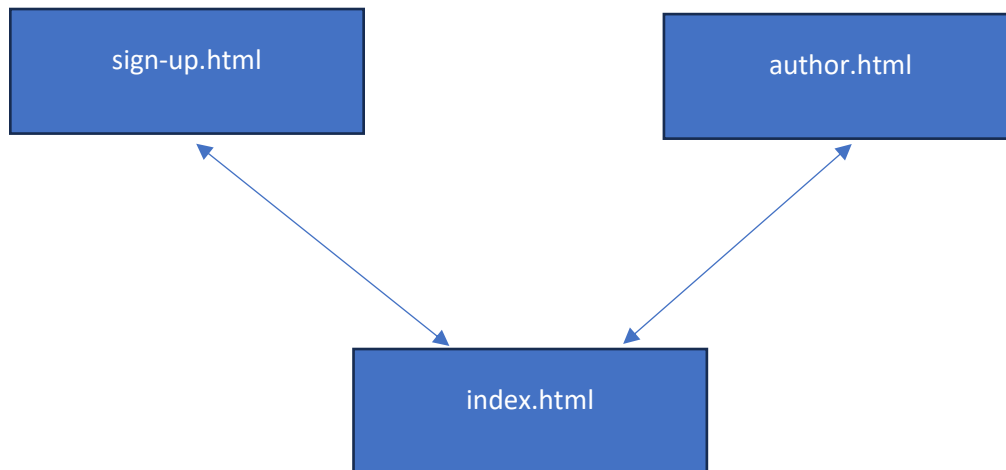
- Dinamičko ispisivanje navigacije hedera (obična navigacija, navigacija za hamburger i navigacija koja se nalazi u footer-u)
- Hamburger – koji se pojavljuje na manjim rezolucijama, uz pomoć događaja – click u native JS-u.
- Modal – klikom na dugme Start Today otvara se modal sa zatamnjenom pozadinom, koji ima ikonicu za izlaženje, takođe se može izaći i klikom na zatamnjenju pozadinu. Ceo modal je rađen u native JS-u.
- Read more/Read less – inicijalno sakriven paragraf koji se klikom na dugme Read more prikazuje sa blagim efektom uz pomoć metoda “slideToggle”, kada je prikazan inicijalno sakriven paragraf tekst dugmeta se menja na Read less. Ova funkcija se poziva na više mesta u sajtu.
- Slider sa jezicima – u div-u se uz pomoć metoda setInterval na svake 4 sekunde smenjuju slike, naslov i sadržaj div-a. Slike, naslovi i sadržaj su dinamički ispisani.
- Dinamički ispisane klase koje se ponavljaju
- HOVER – rađen uz pomoć jQuery biblioteke. Na services blokovima se prelaskom mišem uvećava širina i menja boja teksta.
- Korišćenje jQuery plugin-a – za slider u sekciji About Us. Smenjuju se slike, prelaskom mišem na njih se zaustavlja slajdovanje i prikazuje se u gornjem delu ime studenta sa slike. U donjem desnom uglu slike se mogu i ručno pokretati klikom na neku od crtica.
- Dinamički ispis liste – nabrojanje razloga zašto baš mi u sekciji About us.
- Draggable cards – ispisani dinamički. Automatsko slajdovanje ili uz pomoć drag-a ili klikom na ikonicu.
- Dinamički datum – u sekciji Blog se nalazi trenutni datum u formatu “6. December 2023”
- Dinamički ispisane vesti
- Slajder slika za vesti
- Dinamički ispisane društvene mreže u footer-u
- Validacija forme i ispisivanje poruke o uspešnom popunjavanju

1.3 Template

Za izradu sajta nije korišćen gotov template.

2 Organizacija

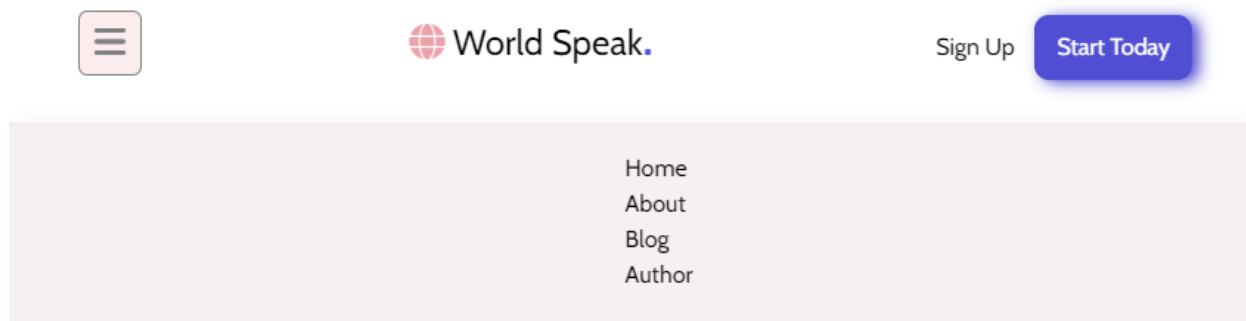
2.1 Organizaciona šema



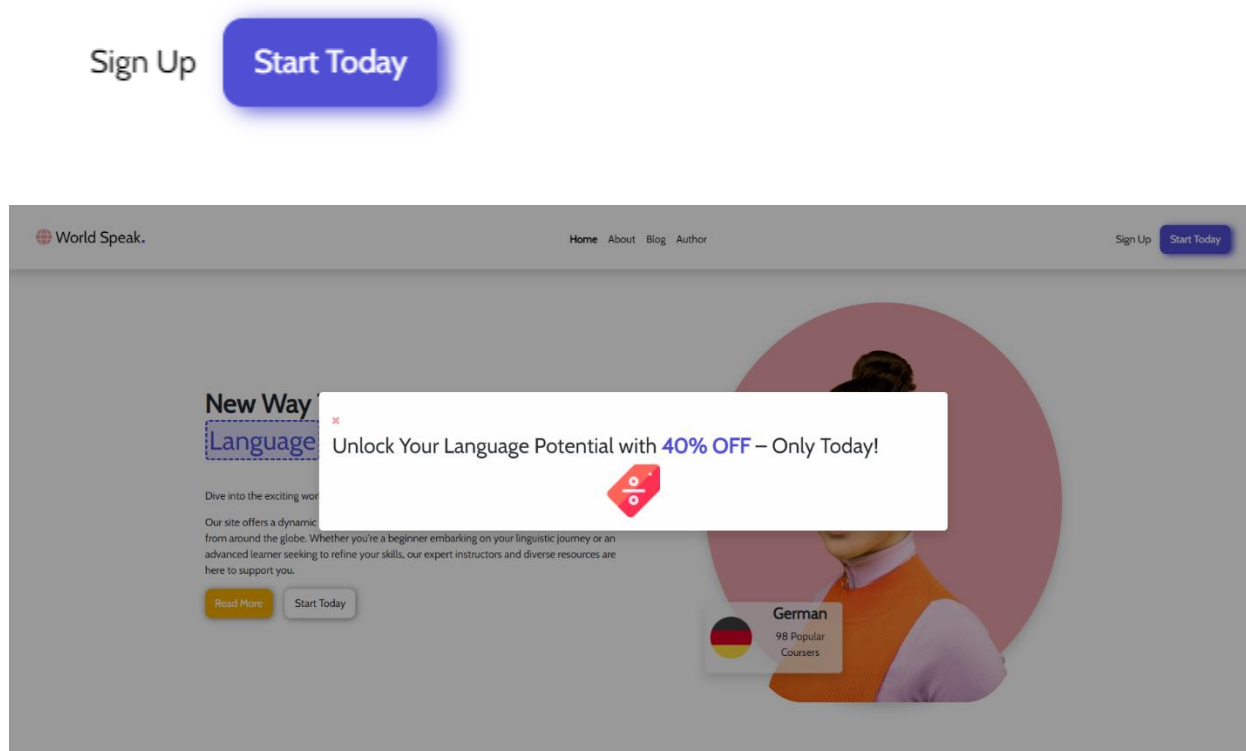
2.2 Mapa sajta

```
<?xml version="1.0"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
  <url>
    <loc>https://djina00.github.io/worldspeak/index.html</loc>
    <lastmod>2023-12-07</lastmod>
    <changefreq>weekly</changefreq>
    <priority>0.9</priority>
  </url>
  <url>
    <loc>https://djina00.github.io/worldspeak/sign-up.html</loc>
    <lastmod>2023-12-01</lastmod>
    <changefreq>monthly</changefreq>
    <priority>0.8</priority>
  </url>
  <url>
    <loc>https://djina00.github.io/worldspeak/author.html</loc>
    <lastmod>2023-11-28</lastmod>
    <changefreq>yearly</changefreq>
    <priority>0.7</priority>
  </url>
</urlset>
```

2.3 Slike stranica i opis funkcionalnosti



Na manjim rezolucijama se pojavljuje hamburger, gde se klikom na njega otvara navigacija koja je takođe kao i navigacija za veće rezolucije ispisani dinamički. Ceo hamburger je rađen u native JavaScript-u.



Klikom na dugme Start Today otvara se modal sa zatamnjenom pozadinom i centriranim blokom sa sadržajem. Iz modala se može izaći ili klikom na ikonicu X ili bilo gde na zatamnjenju pozadinu. Ceo modal je rađen samo uz pomoć native JavaScript-a.

New Way To Learn Any Language

Dive into the exciting world of language learning with our expert instructors!

Our site offers a dynamic and interactive learning experience, connecting language enthusiasts from around the globe. Whether you're a beginner embarking on your linguistic journey or an advanced learner seeking to refine your skills, our expert instructors and diverse resources are here to support you.

[Read More](#) [Start Today](#)

New Way To Learn Any Language


Dive into the exciting world of language learning with our expert instructors!


Our site offers a dynamic and interactive learning experience, connecting language enthusiasts from around the globe. Whether you're a beginner embarking on your linguistic journey or an advanced learner seeking to refine your skills, our expert instructors and diverse resources are here to support you.


To enhance your experience, we invite you to join our community by [signing up](#) for an account. As a member, you'll gain access to personalized learning plans, progress tracking, and exclusive content. Our platform operates under transparent and user-friendly terms, fostering a collaborative and respectful environment for language exploration. Join us on this exciting adventure of cultural discovery and linguistic mastery, where learning knows no boundaries!


[Read Less](#) [Start Today](#)


Klikom na dugme Read More se prikazuje inicijalno sakriven tekst , menja se tekst dugmeta u Read Less i boja dugmeta u svetlo sivu boju. Ovaj deo je rađen uz pomoć jQuery-ja sa metodom slideToggle. Pored dugmeta Read More nalazi se dugme Start Today koji otvara modal kao i dugme iznad.



**German**
98 Popular
Coursers

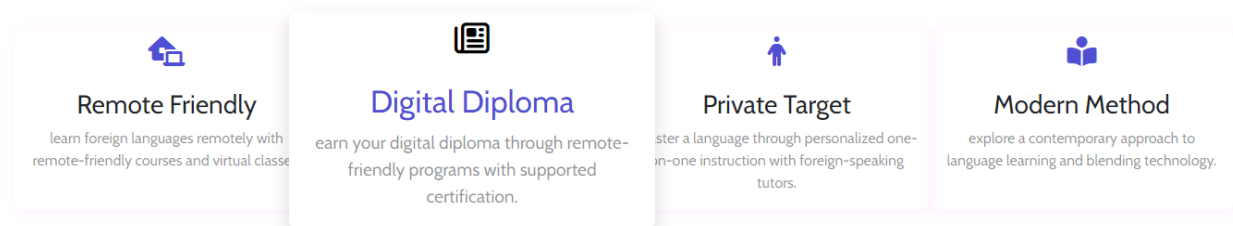
**Turkish**
24 Popular
Coursers

**Japanese**
17 Popular
Coursers

**German**
98 Popular
Coursers

U divu se uz pomoć setInterval funkcije na svake 4 sek menja slika, naslov i tekst unutar njega.

Provided Features



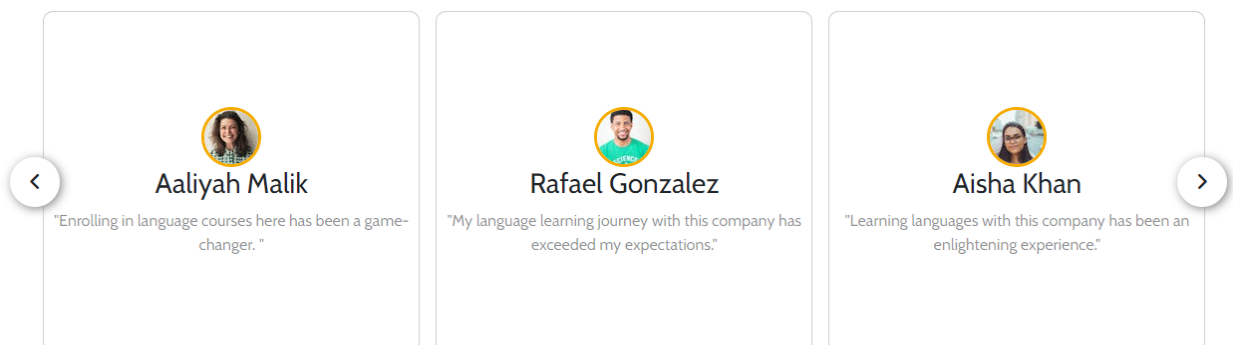
Prelaskom miša na blok on se uvećava, dodaje mu se senka i menja se boja ikonice i naslova. Ovo je rađeno uz pomoć hover metode u jQuery-ju.



Slider koji je rađen uz pomoć jQuery plugin-a. Slider se zaustavlja prelaskom miša preko slike kada se u gornjem uglu pojavljuje zatamnjeni blok sa imenom studenta. Menjanje slika se može vršiti i ručno klikom na neku od crtica u donjem desnom uglu.



Broj like-ova koji je simuliran kao random broj (zamišljeno da je izvučeno iz baze podataka) se uvećava za 1 ako korisnik klikne na ikonicu srca koje se boji u crveno, ponovnim klikom se smanjuje broj lajkova za 1 i srce boji u belo.



- 1) Dodaju se dodatne kartice na početak i kraj karusela kako bi omogućile beskrajno skrolovanje.
- 2) Strelice na ekranu omogućuju korisniku da ručno skroluje levo ili desno.
- 3) Korisnik može prevlačiti karusel mišem. Ovo daje korisniku kontrolu nad brzinom i smerom skrolovanja.
- 4) Karusel se automatski skroluje u određenim intervalima, osim ako korisnik ne interaguje s njim.
- 5) Kada korisnik dođe do kraja karusela, on se automatski vraća na početak,
- 6) Automatsko reprodukovanje se zaustavlja kada korisnik pređe mišem preko karusela i nastavlja se kada miš napusti karusel.

Kod se izvršava prilikom mousedown, mousemove, mouseup, scroll, mouseenter, i mouseleave događaja, omogućavajući interaktivnost i automatsko reprodukovanje.

7. December 2023

Linguistics Digest

Your quick source for language trends, learning hacks, and success stories.

7. December 2023

Unlock Your Potential

The Language Code: Crack It, Transform Your Tomorrow

7. December 2023

Polyglot Pulse

Catch up on language news in a flash. Discover effective tips and real success tales.

Dinamički ispisane vesti u blokovima sa leve I desne strane. Datum dinamički dohvaatan I pretvoren u format "7. December 2023".

U sredini je blok sa slajderom gde se samo menja pozadinska slika, a tekst ostaje isti.

Copyright © 2023 WorldSpeak. All Rights Reserved.

Dinamički dohvaatan datum za Copyright.

The image shows a 'Sign Up' form centered on a pink background. The form is a white rectangle with the title 'Sign Up' in blue text at the top. Below the title are five input fields: 'First name:', 'Last name:', 'Email:', 'Password:', and 'Repeat password:'. Each field has a corresponding text input box. At the bottom of the form is a blue 'Submit' button.

Kada korisnik pokuša da pošalje formu (klikom na dugme za slanje), kod proverava unete podatke.

Takođe proveru podataka se vrši i na događaj blur.

Ako postoje greške u unetim podacima (na primer, ako je neko polje prazno ili ako e-mail adresa nije u ispravnom formatu), korisnik će videti poruke koje ga obaveštavaju o greškama. Ako su svi uneti podaci ispravni, korisnik će dobiti potvrdu da je forma uspešno poslata.

Kada se pojavi greška, polje gde je došlo do greške će biti označeno crvenom bojom, a pored njega će se prikazati poruka koja objašnjava šta nije u redu.

Kada je unos ispravan, polje će biti označeno zelenom bojom, bez poruke o grešci.

Postoje provere koje se obavljaju da bi se osiguralo da je e-mail adresa u ispravnom formatu i da su imena i prezimena uneta ispravno.

3 Kodovi

3.1 HTML

3.1.1 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" />
  <meta name="keywords"
    content="Foreign languages, Online language courses, Language learning, Conversational courses, Language skills" />
  <meta name="description"
    content="Join us on a journey to unlock the power of communication and broaden your horizons with our diverse resource" />
  <link rel="icon" href="assets/img/favicon.png" />
  <!-- Font Awesome -->
  <script src="https://kit.fontawesome.com/646dd2caa7.js" crossorigin="anonymous"></script>
  <!-- Plugin CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/56hmv.jquery.scrollslider.css" />
  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjMcCapSm07SnPjef0486qLnuZ2cdeRh002iuK6FUUVM" crossorigin="anonymous" />
  <!-- CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/style.css" />
  <!-- Responsive CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

  <title>World Speak.</title>
</head>

<body>
  <!-- Header -->
  <header class="d-flex justify-content-between py-3 px-5 fixed-top align-items-baseline shadow">
    <!-- Hamburger -->
    <div id="hamburger" class="d-none d-flex flex-column">
      <div>
        <button type="button" id="hamburgerToggle" class="rounded"><i class="fa-solid fa-bars"></i></button>
      </div>
      <div id="navHamburger" class="closeMenu shadow rounded">
        <!-- Toggle in JS -->
      </div>
    </div>
    <!-- End Hamburger -->
    <div class="logo">
      <a href="index.html"><i class="fa-solid fa-globe pink-txt"></i> World Speak<span class="purple-txt fs-1"></span></a>
    </div>
    <nav id="navbar">
      <!-- Dynamic navbar in JS -->
    </nav>
    <div id="sign-up-buttons">
      <a href="sign-up.html" id="signUp">Sign Up</a>
      <button type="button" id="startToday" class="purple-button text-white d-none d-sm-inline">Start
        Today</button>
      <!-- Modal -->
      <div id="starttoday">
        <div class="modal-content shadow rounded">
          <span class="close">&times;</span>
          <h2>Unlock Your Language Potential with <span class="purple-txt fw-bold">40% OFF</span> Only Today!</h2>
          
        </div>
      </div>
    </div>
  </div>
</header>
```

```

<!-- Region 1 -->
<div class="container d-md-flex justify-content-between align-items-center smallCenter my-5 fadeInLeft">
  <div class="col-md-6 mediumCenter">
    <h1 class="fw-bold">New Way To Learn Any</h1>
    <h1 class="mb-5"><span class="purple-txt wordLanguage rounded">Language</span></h1>
    <p>Dive into the exciting world of language learning with our expert instructors!</p>
    <p class="d-none d-lg-block">Our site offers a dynamic and interactive learning experience, connecting language enthusiasts from around the globe. Whether you're a beginner embarking on your linguistic journey or an advanced learner seeking to refine your skills, our expert instructors and diverse resources are here to support you.</p>
    <p id="hiddenMainP" class="text-body-tertiary">To enhance your experience, we invite you to join our community by <a href="sign-up.html" class="purple-txt">signing up</a> for an account. As a member, you'll gain access to personalized learning plans, progress tracking, and exclusive content. Our platform operates under transparent and user-friendly terms, fostering a collaborative and respectful environment for language exploration. Join us on this exciting adventure of cultural discovery and linguistic mastery, where learning knows no boundaries!</p>
    <div class="buttons">
      <button type="button" class="readMore" id="readMore1">Read More</button>
      <button type="button" id="startToday2" class="startTodayWhite">Start Today</button>
    </div>
  </div>
  <div class="col-7 col-md-5 autoCenter">
    <div class="d-flex justify-content-center shadow rounded-circle" id="circle">
      <div class="position-relative">
        
        <div class="position-absolute d-flex justify-content-between align-items-center rounded text-center shadow" id="sliderLanguages">
          <div id="flag-container">
            <!-- Slider in JS -->
            
          </div>
          <div id="textLanguage">
            <h4 class="fw-bold" id="languageText">Turkey</h4>
            <p>24 Popular Coursers</p>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
</div>

```

```

<!-- Region 2 -->
<div class="container py-5 grey-background">
  <div class="text-center mb-5">
    <h6 class="purple-txt">Our Services</h6>
    <h2 class="fw-bold">Provided Features</h2>
  </div>
  <div id="services" class="row justify-content-between">
    <!-- Dynamic services blocks in JS -->
  </div>
</div>
<!-- End Region 2 -->

```

```

<!-- Footer -->
<footer class="container">
  <div class="d-flex justify-content-between align-items-baseline">
    <div class="logo">
      <a href="index.html"><i class="fa-solid fa-globe pink-txt"></i> World Speak<span
        class="purple-txt fs-1">.</span></a>
    </div>
    <div id="footerNav" class="d-none d-md-flex">
      <!-- Dynamic JS -->
    </div>
    <div id="socialMedia" class="fs-5">
      <!-- Dynamic JS -->
    </div>
  </div>
  <hr />
  <div class="d-flex justify-content-between">
    <div class="d-none d-md-flex">
      <a href="dokument.pdf" target="_blank" class="text-body-tertiary">Documentation</a>
    </div>
    <div class="text-end">
      <p class="text-body-tertiary">Copyright &copy; <span id="date"></span> WorldSpeak. All Rights Reserved.
    </p>
    </div>
  </div>
</footer>

<!-- jQuery -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<!-- jQuery plugin -->
<script type="text/javascript" src="assets/js/56hmv.jquery.scrollslider.js"></script>
<!-- JS -->
<script src="assets/js/main.js"></script>
<!-- Bootstrap JS -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz"
  crossorigin="anonymous"></script>

```

3.1.2 Sign-up.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" />
  <meta name="keywords"
    content="Foreign languages, Online language courses, Language learning, Conversational courses, Language skills" />
  <meta name="description"
    content="Join us on a journey to unlock the power of communication and broaden your horizons with our diverse resources and engaging educational experiences." />
  <link rel="icon" href="assets/img/favicon.png" />
  <!-- Font Awesome -->
  <script src="https://kit.fontawesome.com/646dd2caa7.js" crossorigin="anonymous"></script>

  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-9ndCyuaIbZai2FUVXJi0CjmCapSm07SnpJef0486qhlNuZ2cdeRh002iuK6FUVVM" crossorigin="anonymous" />
  <!-- CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/style.css" />
  <!-- Responsive CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

  <title>World Speak.</title>
</head>

```

```

<body class="blackBg d-flex justify-content-center align-items-center">
  <div class="frame rounded shadow">
    <h2 class="text-center mb-5 purple-txt">Sign Up</h2>
    <form action="action.php" method="post" id="form">
      <div class="row mb-1">
        <div class="form-group col-md-6">
          <label for="firstName">First name:</label>
          <input type="text" class="form-control" id="firstName" name="firstName">
          <span class="errorText"></span>
        </div>
        <div class="form-group col-md-6">
          <label for="lastName">Last name:</label>
          <input type="text" class="form-control" id="lastName" name="lastName">
          <span class="errorText"></span>
        </div>
      </div>
      <div class="form-group mb-1">
        <label for="email">Email:</label>
        <input type="text" class="form-control" id="email" name="email">
        <span class="errorText"></span>
      </div>
      <div class="form-group mb-1">
        <label for="password">Password:</label>
        <input type="password" class="form-control" id="password" name="password">
        <span class="errorText"></span>
      </div>
      <div class="form-group mb-1">
        <label for="passwordRepeat">Repeat password:</label>
        <input type="password" class="form-control" id="passwordRepeat" name="passwordRepeat">
        <span class="errorText"></span>
      </div>
      <button type="submit" class="text-white mt-5" id="submit">Submit</button>
      <span class="successSubmit ms-2 d-none">Submission successful!</span>
    </form>
  </div>
  <div class="position-absolute arrowHome">
    <a href="index.html"><i class="fa-solid fa-arrow-left"></i> HOME</a>
  </div>

```

3.1.3 Author.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" />
  <meta name="keywords"
    content="Foreign languages, Online language courses, Language learning, Conversational courses, Language skills" />
  <meta name="description"
    content="Join us on a journey to unlock the power of communication and broaden your horizons with our diverse resources and engaging educational ex" />
  <link rel="icon" href="assets/img/favicon.png" />
  <!-- Font Awesome -->
  <script src="https://kit.fontawesome.com/646dd2caa7.js" crossorigin="anonymous"></script>
  <!-- Bootstrap CSS -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjMCapSm07SnPJeF0486qhLnuZ2cdeRh002iuK6FUUVM" crossorigin="anonymous" />
  <!-- CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/style.css" />
  <!-- Responsive CSS -->
  <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />
  <title>World Speak.</title>
</head>

```

```

<body class="blackBg d-flex justify-content-center align-items-center">

  <div class="frame d-flex justify-content-between align-items-center rounded shadow">
    <div class="col-6 shadow rounded-circle" id="circleAuthor">
      <div class="position-relative d-flex justify-content-center align-items-center" id="imageAuthor">
        
      </div>
    </div>
    <div class="col-5 text-end">
      <h4 class="purple-txt fw-bold mb-0">Name:</h4>
      <p class="fw-bold">Đurđina Radisavljević</p>
      <h4 class="purple-txt fw-bold mb-0">Index:</h4>
      <p class="fw-bold">10/22</p>
      <h4 class="purple-txt fw-bold mb-0">Faculty:</h4>
      <p class="fw-bold">ICT Collage</p>
    </div>
  </div>
  <div class="position-absolute arrowHome">
    <a href="index.html"><i class="fa-solid fa-arrow-left"></i> HOME</a>
  </div>
  <!-- Bootstrap JS -->
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz"
    crossorigin="anonymous"></script>
</body>

```

3.2 CSS

3.2.1 Style.css

```

@import url("https://fonts.googleapis.com/css2?family=Cabin&display=swap");
*{
    padding: 0;
    margin: 0;
    font-family: "Cabin", sans-serif;
    box-sizing: border-box;
    scroll-behavior: smooth;
    scroll-padding-top: 5rem;
}
:root{
    --purple: #504ed3;
    --orange: #f5ab00;
    --pink: #eaa2aa;
}
.pink-txt{
    color: var(--pink);
}
.purple-txt{
    color: var(--purple);
}
a{
    text-decoration: none;
}
ul li{
    list-style-type: none;
}
/* Header */
header{
    height: 100px;
    background-color: white;
}
.logo a{
    font-size: 1.5rem;
}
#navbar ul, #footerNav ul{
    display: flex;
}
#navbar ul li{
    margin-left: 1rem;
}
#navbar ul li:first-child, #footerNav ul li:first-child{
    margin-left: 0px;
}
#navbar ul li a, .logo a, #footerNav a, #socialMedia a{
    color: black;
}
#navbar ul li:first-child a, #navbar ul li a:hover{
    font-weight: 600;
}
#signUp{
    background-color: white;
    padding: 10px;
    color: black;
}
#signUp:hover{
    border-radius: 50%;
    box-shadow: 1px 2px 10px grey;
}

```



```

#startToday, .startTodayWhite, .readMore, .readLess, #submit, #signUpOrange{
    border: none;
    padding: 10px 15px;
    border-radius: 10px;
}
#startToday, #submit{
    background-color: var(--purple);
    box-shadow: 5px 2px 10px var(--purple);
}
/* Modal */
#starttoday{
    display: none;
    position: fixed;
    z-index: 1;
    left: 0;
    top: 0;
    width: 100%;
    height: 100%;
    overflow: auto;
    background-color: □rgb(0,0,0);
    background-color: □rgba(0,0,0,0.4);
}
#starttoday img{
    width: 5rem;
    margin: 0 auto;
}
.close {
    color: var(--pink);
    float: right;
    font-size: 28px;
    font-weight: bold;
    width: 20px;
}
.modal-content {
    background-color: ■#fefefe;
    margin: 15% auto;
    padding: 20px;
    width: 50%;
}
.close:hover,
.close:focus {
    color: □black;
    text-decoration: none;
    cursor: pointer;
}
/* Hamburger */
#hamburger i{
    z-index: 2;
}
#hamburgerToggle{
    font-size: 1.5rem;
    cursor: pointer;
    border: 1px solid □grey;
    color: □grey;
    padding: 3px 10px;
    background-color: □rgba(234, 162, 170, 0.2);
}

```

```

#navHamburger{
  position: fixed;
  background-color: #f7f0f1;
  z-index: 1;
  width: 100%;
  top: 100px;
  left: 0;
  height: 150px;
}
.closeMenu{
  display: none;
}
.showMenu{
  display: flex;
  justify-content: center;
  align-items: center;
}

#navHamburger ul li a{
  color: black;
  margin-top: 10px;
}
main{
  margin-top: 150px;
}
/* Region 1 */
.startTodayWhite{
  background-color: white;
  margin-left: 15px;
}
.startTodayWhite:hover{
  background-color: var(--purple);
  color: white;
}
.startTodayWhite, .readMore, .readLess, #signUpOrange{
  box-shadow: 1px 1px 10px grey;
}
.readMore, #signUpOrange{
  background-color: var(--orange);
  color: white;
}
#hiddenMainP, #hiddenP, #hiddenP2{
  display: none;
}
.wordLanguage{
  border: 3px dashed var(--purple);
  padding: 3px;
  background-color: rgba(80, 78, 211, 0.2);
}
#circle{
  background-color: var(--pink);
  width: 100%;
  min-width: 200px;
  height: 100%;
}
#teacher{
  width: 100%;
  min-width: 200px;
}

```

```

#sliderLangugages{
  width: 13rem;
  background-color: rgba(245,245,245,0.7);
  top: 75%;
  left: -15%;
  padding: 0.2rem 0;
}

#flag-container{
  width: 40%;
}
#flag-container img{
  width: 80%;
}
/* Services */
.servicesBlocks{
  text-align: center;
  transition: 0.6s ease-in-out;
  box-shadow: 2px 2px 15px #fefe;
  border-radius: 10px;
}
.servicesBlocks p:first-child{
  font-size: 2rem;
  font-weight: bold;
  color: var(--purple);
}
.servicesBlocksHover{
  cursor: pointer;
  transform: scale(1.2);
  background-color: white;
}
.servicesBlocksHover p:first-child{
  color: black;
}
.servicesBlocksHover h3{
  color: var(--purple);
  transition: 0.6s;
}
/* About */
.unordered-l{
  color: var(--orange);
  font-weight: bold;
}
#choose li::marker {
  content: url("data:image/svg+xml,%3Csvg xmlns='http://w
}
#likeBox img{
  width: 100%;
}
#like{
  padding: 1rem 6rem;
  top: 73%;
  left: -23%;
  transform: rotate(20deg);
  background-color: rgba(245,245,245,0.9);
}

```

```

.wrapper {
  width: 90%;
  position: relative;
  margin: 0 auto;
}
.wrapper i {
  top: 50%;
  height: 50px;
  width: 50px;
  cursor: pointer;
  font-size: 1.25rem;
  position: absolute;
  text-align: center;
  line-height: 50px;
  background: white;
  border-radius: 50%;
  box-shadow: 2px 2px 10px grey;
  transform: translateY(-50%);
  transition: transform 0.1s linear;
}
.wrapper i:active{
  transform: translateY(-50%) scale(0.85);
}
.wrapper i:first-child{
  left: -32px;
  z-index: 100;
}
.wrapper i:last-child{
  right: -22px;
}
.wrapper .carousel{
  display: grid;
  grid-auto-flow: column;
  grid-auto-columns: calc((100% / 3));
  overflow-x: auto;
  scroll-snap-type: x mandatory;
  gap: 16px;
  border-radius: 8px;
  scroll-behavior: smooth;
  scrollbar-width: none;
}
.carousel::-webkit-scrollbar {
  display: none;
}
.carousel.no-transition {
  scroll-behavior: auto;
}
.carousel.dragging {
  scroll-snap-type: none;
  scroll-behavior: auto;
}
.carousel.dragging .card {
  cursor: grab;
  user-select: none;
}
.carousel :where(.card, .img) {
  display: flex;
  justify-content: center;
  align-items: center;
}

```

```

.carousel .card {
  scroll-snap-align: start;
  height: 342px;
  background: #fff;
  cursor: pointer;
  flex-direction: column;
  border-radius: 10px;
}
.carousel .card .img {
  border-radius: 50%;
}
.carousel .card .img img {
  width: 60px;
  height: 60px;
  border-radius: 50%;
  object-fit: cover;
  border: 3px solid var(--orange);
}
/* Latest Posts */
#newsSlider{
  padding: 8rem 0.5rem 0.5rem;
  transition: background-image 1s ease-in-out;
  background-size: cover;
}
#purpleGgradient{
  background: linear-gradient(to top right, #000080 42%, #000080 42%, #000080 100%);
  padding: 3.5rem 0;
}
#purpleGgradient, #signUpOrange:hover{
  box-shadow: 2px 2px 15px var(--orange);
}
#footerNav ul li{
  margin-left: 2.5rem;
}
socialMedia a:hover{
  color: var(--orange);
}
socialMedia a{
  margin-left: 0.5rem;
}
/* Animation */
@keyframes FadeInLeft{
  animation: fadeInLeft 2s;
}
@keyframes fadeInLeft {
  0% {
    opacity: 0;
    transform: translateX(-20px);
  }
  100% {
    opacity: 1;
    transform: translateX(0);
  }
}

```

```

/* Author */
.blackBg{
  background-image: url("../img/books.jpg");
  position: relative;
  height: 100vh;
  backdrop-filter: blur(10px);
}
.frame{
  background-color: white;
  padding: 3rem 6rem;
}
#imageAuthor img{
  width: 100%;
}
imageAuthor{
  top: 1rem;
}
arrowHome{
  top: 1.5rem;
  left: 1rem;
  font-size: 1.2rem;
}
arrowHome a{
  color: white;
}
circleAuthor{
  background-color: var(--pink);
  width: 60%;
  height: 60%;
}
/* Forma */
form-group input:focus {
  box-shadow: none;
  outline: 0;
}
successSubmit{
  color: rgb(100, 155, 80);
}
success{
  border: 2px solid rgb(100, 155, 80);
}
error{
  border: 2px solid var(--pink);
}
errorText{
  color: var(--pink);
}

```

3.2.2 Responsive CSS

```
@media screen and (max-width: 1203px) {  
  
  .AIVEN-scrollbar, .AIVEN-scrollbar .inner A{  
    width: 360px;  
  }  
  #like{  
    padding: 0.5rem 3rem;  
  }  
  
}  
  
@media screen and (max-width: 992px) {  
  #navbar{  
    display: none;  
  }  
  #hamburger.d-none{  
    display: flex !important;  
  }  
  .AIVEN-scrollbar, .AIVEN-scrollbar .inner A{  
    width: 300px;  
  }  
  .wrapper .carousel {  
    grid-auto-columns: calc((100% / 2) + 3px);  
  }  
  
}
```

```

@media screen and (max-width: 768px) {
  .modal-content{
    width: 60%;
  }
  .smallCenter{
    justify-content: center !important;
  }
  #sliderLangugages{
    width: 12rem;
  }
  .grey-background{
    background-color: #faf7fa;
  }
  .AIVEN-scrollSlider, .AIVEN-scrollSlider .inner A{
    display: none;
  }
  .mediumCenter{
    text-align: center;
  }
  #likeBox, .autoCenter{
    margin: 0 auto;
  }
  #likeBox img{
    width: 100%;
  }
  .autoCenter{
    margin-top: 2rem;
  }
  #newsSlider {
    margin: 0 auto;
  }
}

@media screen and (max-width: 576px) {
  .servicesBlocks{
    margin: 0 auto;
  }
  .wrapper .carousel {
    grid-auto-columns: 100%
  }
  .wrapper{
    width: 70%;
  }
}

```


3.3 JS

```

$(document).ready(function(){

let url = window.location.pathname;
if (url == "/" || url.includes("/index.html")) {
//Nav
var navItems = [
    { text: 'Home', url: 'index.html'},
    { text: 'About', url: '#about' },
    { text: 'Blog', url: '#blog'},
    { text: 'Author', url: 'author.html'}
];

function generateNavigation(nav) {
    var navContainer = document.querySelector(nav)
    var navList = document.createElement('ul');

    navItems.forEach(function(item) {
        var listItem = document.createElement('li');
        var link = document.createElement('a');
        link.textContent = item.text;
        link.href = item.url;
        listItem.appendChild(link);
        navList.appendChild(listItem);
    });
    navContainer.appendChild(navList);
}

//Navigation menu
generateNavigation('#navbar');
//Navigation for phone
generateNavigation('#navHamburger');
//Navigation for footer
generateNavigation('#footerNav');

//Toggle hamburger
hamburger.addEventListener("click", () =>{
    var hamburger = document.querySelector('#hamburgerToggle');
    var navHamburger = document.querySelector('#navHamburger');
    if(navHamburger.classList.contains('closeMenu')){
        navHamburger.classList.remove('closeMenu');
        navHamburger.classList.add('showMenu');
    }
    else{
        navHamburger.classList.remove('showMenu');
        navHamburger.classList.add('closeMenu');
    }
});
});

```

```

//Modal
function Modal(buttonModal){
    var modal = document.querySelector('#starttoday');
    var btn = document.querySelector(`${buttonModal}`);
    var span = document.getElementsByClassName("close")[0];

    btn.onclick = function() {
        modal.style.display = "block";
    }
    span.onclick = function() {
        modal.style.display = "none";
    }
    window.onclick = function(event) {
        if (event.target == modal) {
            modal.style.display = "none";
        }
    }
}
Modal('#startToday');
Modal('#startToday2');
Modal('#startToday3');

//Toggle ReadMore (jQuery)
function toggleReadMore(button, text){
    `${button}`.click(function(){
        `${text}`.slideToggle('slow');
        if (`${button}`.text() == "Read More"){
            $(this).text("Read Less");
            $(this).removeClass("readMore");
            $(this).addClass("readLess");
        }
        else{
            $(this).text("Read More");
            $(this).removeClass("readLess");
            $(this).addClass("readMore");
        }
    });
}

//Calling the First ReadMore
toggleReadMore('#readMore1', '#hiddenMainP');
toggleReadMore('#readMore2', '#hiddenP');

```

```
//Language slider
const prefiksImg = 'assets/img/';

let srcFlagArray = [`${prefiksImg}turkey.png`, `${prefiksImg}german.png`, `${prefiksImg}japan.png`];
let h4FlagText = ['Turkish', 'German', 'Japanese'];
let pFlagText = ['24 Popular Coursers', '98 Popular Coursers', '17 Popular Coursers'];

setInterval(languageSlider, 4000);
let counter = 1;
function languageSlider() {
    let flag = document.querySelector('#flag');
    flag.src = srcFlagArray[counter];
    flag.alt = h4FlagText[counter];

    let text = document.querySelector('#languageText');
    text.textContent = h4FlagText[counter];
    text.nextElementSibling.textContent = pFlagText[counter];
    counter = (counter + 1) % srcFlagArray.length;
}
}
```

```
//Dynamic services blocks
let servicesIcons = ['<i class="fa-solid fa-house-laptop"></i>', '<i class="fa-regular fa-newspaper"></i>', '<i class="fa-solid fa-person"></i>'];
let servicesTitle = ['Remote Friendly', 'Digital Diploma', 'Private Target', 'Modern Method'];
let servicesParagraphs = [
    'learn foreign languages remotely with remote-friendly courses and virtual classes.',
    'earn your digital diploma through remote-friendly programs with supported certification.',
    'master a language through personalized one-on-one instruction with foreign-speaking tutors.',
    'explore a contemporary approach to language learning and blending technology.'
];

var services = document.querySelector('#services');
for (let i = 0; i < servicesIcons.length; i++) {
    let servicesBlock = document.createElement('div');
    servicesBlock.classList.add('servicesBlocks');
    servicesBlock.classList.add('col-8', 'col-sm-6', 'col-lg-3');

    let p1 = document.createElement('p');
    p1.innerHTML = servicesIcons[i];
    servicesBlock.appendChild(p1);

    let h3 = document.createElement('h3');
    let title = document.createTextNode(servicesTitle[i]);
    h3.appendChild(title);
    servicesBlock.appendChild(h3);

    let p2 = document.createElement('p');
    p2.classList.add('text-body-tertiary');
    let paragraph = document.createTextNode(servicesParagraphs[i]);
    p2.appendChild(paragraph);
    servicesBlock.appendChild(p2);

    services.appendChild(servicesBlock);
}
}
```

```
//Services HOVER jQuery
$('.servicesBlocks').hover(
  function () {
    $(this).addClass('servicesBlocksHover shadow rounded');
  }, function () {
    $(this).removeClass('servicesBlocksHover shadow rounded');
  }
);
```

```
//Dynamic unordered list

let reasons = ['Interactive Learning: ', 'Experienced Instructors: ', 'Cutting-edge Resources: ', 'Learning Plans: '];
let explain = ['Engage in real conversations and cultural activities that enhance your language skills.',
  'Learn from passionate language experts dedicated to your success.',
  'Access a variety of multimedia resources to make your learning experience enjoyable and effective.',
  'Customize your lessons with programs designed for individual success.'];
];
var list = '';
for(let i = 0; i<reasons.length; i++){
  list += `<li class='mb-2'><span class='unordered-l'>${reasons[i]}</span> ${explain[i]}</li>`;
}
let ulList = document.querySelector('#choose');
ulList.innerHTML = list;

// Like button

// Random number like
let like = document.querySelector('#circleLike');
//Random number between 100 and 1000
let number = Math.floor(Math.random() * 901 + 100);
like.nextElementSibling.innerHTML = number;

like.addEventListener('click', ()=>{
  if(like.style.color=='white'){
    like.style.color='red';
    number++;
    like.nextElementSibling.innerHTML = number;
  }
  else{
    like.style.color='white';
    number--;
    like.nextElementSibling.innerHTML = number;
  }
});
```

```
//Dynamic cards

let ulCarousel = document.querySelector(".carousel");

let srcCarousel = [`${prefiksImg}aisha.jpg`, `${prefiksImg}ajrun.jpg`, `${prefiksImg}freja.jpg`, `${prefiksImg}dimitri.jpg`,
`${prefiksImg}alliyah.jpg`, `${prefiksImg}rafael.jpg`];

let h3Carousel = ['Aisha Khan', 'Anjun Patel', 'Freja Larsen', 'Dimitri Ivanov', 'Aaliyah Malik', 'Rafael Gonzalez'];
let spanCarousel = ["Learning languages with this company has been an enlightening experience.",
    "I am grateful for the engaging language courses provided here.",
    "Choosing this language school was a fantastic decision. ",
    "I highly recommend this language school for anyone eager to learn.",
    "Enrolling in language courses here has been a game-changer. ",
    "My language learning journey with this company has exceeded my expectations."
];

for (let i = 0; i < srcCarousel.length; i++) {
    let li = document.createElement('li');
    li.classList.add('card');

    let div = document.createElement('div');
    div.classList.add('img');

    let img = document.createElement('img');
    img.setAttribute('src', `${srcCarousel[i]}`);
    img.setAttribute('alt', `${h3Carousel[i]}`);
    img.setAttribute('draggable', 'false');

    div.appendChild(img);

    div.appendChild(img);

    let h3 = document.createElement('h3');
    h3.innerHTML = h3Carousel[i];

    let span = document.createElement('span');
    span.classList.add('text-center', 'px-2', 'text-body-tertiary');
    span.innerHTML = spanCarousel[i];

    li.appendChild(div);
    li.appendChild(h3);
    li.appendChild(span);

    ulCarousel.appendChild(li);
}
```

```
div.appendChild(img);
```

```
let h3 = document.createElement('h3');
h3.innerHTML = h3Carousel[i];
```

```
let span = document.createElement('span');
span.classList.add('text-center', 'px-2', 'text-body-tertiary');
span.innerHTML = spanCarousel[i];
```

```
li.appendChild(div);
li.appendChild(h3);
li.appendChild(span);
```

```
ulCarousel.appendChild(li);
```

```

//Dragable card slider
const wrapper = document.querySelector(".wrapper");
const carousel = document.querySelector(".carousel");
const firstCardWidth = carousel.querySelector(".card").offsetWidth;
const arrowBtns = document.querySelectorAll(".wrapper i");
const carouselChildrens = [...carousel.children];
let isDragging = false, isAutoPlay = true, startX, startScrollLeft, timeoutId;

let cardPerView = Math.round(carousel.offsetWidth / firstCardWidth);

carouselChildrens.slice(-cardPerView).reverse().forEach(card => {
  carousel.insertAdjacentHTML("afterbegin", card.outerHTML);
});

carouselChildrens.slice(0, cardPerView).forEach(card => {
  carousel.insertAdjacentHTML("beforeend", card.outerHTML);
});

carousel.classList.add("no-transition");
carousel.scrollLeft = carousel.offsetWidth;
carousel.classList.remove("no-transition");

arrowBtns.forEach(btn => {
  btn.addEventListener("click", () => {
    carousel.scrollLeft += btn.id == "left" ? -firstCardWidth : firstCardWidth;
  });
});

const dragStart = (e) => {
  isDragging = true;
  carousel.classList.add("dragging");

  startX = e.pageX;
  startScrollLeft = carousel.scrollLeft;
}

const dragging = (e) => {
  if(!isDragging) return;

  carousel.scrollLeft = startScrollLeft - (e.pageX - startX);
}

const dragStop = () => {
  isDragging = false;
  carousel.classList.remove("dragging");
}

```

```

const infiniteScroll = () => {

  if(carousel.scrollLeft === 0) {
    carousel.classList.add("no-transition");
    carousel.scrollLeft = carousel.scrollWidth - (2 * carousel.offsetWidth);
    carousel.classList.remove("no-transition");
  }

  else if(Math.ceil(carousel.scrollLeft) === carousel.scrollWidth - carousel.offsetWidth) {
    carousel.classList.add("no-transition");
    carousel.scrollLeft = carousel.offsetWidth;
    carousel.classList.remove("no-transition");
  }

  clearTimeout(timeoutId);
  if(!wrapper.matches(":hover")) autoPlay();
}

const autoPlay = () => {
  if(window.innerWidth < 800 || !isAutoPlay) return;

  timeoutId = setTimeout(() => carousel.scrollLeft += firstCardWidth, 2500);
}

autoPlay();
carousel.addEventListener("mousedown", dragStart);
carousel.addEventListener("mousemove", dragging);
document.addEventListener("mouseup", dragStop);
carousel.addEventListener("scroll", infiniteScroll);
wrapper.addEventListener("mouseenter", () => clearTimeout(timeoutId));
wrapper.addEventListener("mouseleave", autoPlay);

```



```

//Dynamic posts
var currentDate = new Date();

var months = [
  'January', 'February', 'March', 'April', 'May', 'June',
  'July', 'August', 'September', 'October', 'November', 'December'
];

let date = currentDate.getDate() + '. ' + months[currentDate.getMonth()] + ' ' + currentDate.getFullYear();

let contentForPosts = [
  { title: 'Linguistics Digest', secondParagraph: 'Your quick source for language trends, learning hacks, and success stories.' },
  { title: 'Polyglot Pulse', secondParagraph: 'Catch up on language news in a flash. Discover effective tips and real success tales.' }
];

function addElementsInsidePost() {
  let postElements = document.querySelectorAll('.post');

  postElements.forEach(function (postElement, index) {
    let firstPTag = document.createElement('p');
    firstPTag.classList.add('text-body-tertiary');
    firstPTag.textContent = date;

    let h5Tag = document.createElement('h5');
    h5Tag.classList.add('fw-bold');
    h5Tag.textContent = contentForPosts[index].title;

    let secondPTag = document.createElement('p');
    secondPTag.classList.add('text-body-tertiary');
    secondPTag.textContent = contentForPosts[index].secondParagraph;

    postElement.appendChild(firstPTag);
    postElement.appendChild(h5Tag);
    postElement.appendChild(secondPTag);
  });
}
addElementsInsidePost();

```

```

//news dynamic content
let newsSlider = document.querySelector('#newsSlider');

let news = `
  <p>${date}</p>
  <h4>Unlock Your Potential</h4>
  <p>The Language Code: Crack It, Transform Your Tomorrow</p>
`;

newsSlider.innerHTML = news;

//news Slider

let srcNews = ['books.jpg', 'learn.jpg', 'note.jpg'];

let currentIndex = 0;

function changeNewsBackground() {
  newsSlider.style.backgroundImage = `url("${prefiksImg}/${srcNews[currentIndex]}")`;
  currentIndex = (currentIndex + 1) % srcNews.length;
}

setInterval(changeNewsBackground, 4000);

changeNewsBackground();

//Dunamic Social Media
let socialMediaLinks = [
  { url: 'https://www.instagram.com/', iconClass: 'fa-brands fa-instagram' },
  { url: 'https://www.facebook.com/', iconClass: 'fa-brands fa-facebook-f' },
  { url: 'https://www.twitter.com/', iconClass: 'fa-brands fa-twitter' }
];

function generateSocialLinks() {
  let socialMedia = document.querySelector('#socialMedia');
  let linksHTML = '';

  socialMediaLinks.forEach(function (socialMedia) {
    linksHTML += `<a href="${socialMedia.url}" target="_blank"><i class="fa ${socialMedia.iconClass}"></i></a>`;
  });

  socialMedia.innerHTML = linksHTML;
}

generateSocialLinks();

```

```

//Dunamic Social Media
let socialMediaLinks = [
  { url: 'https://www.instagram.com/', iconClass: 'fa-brands fa-instagram' },
  { url: 'https://www.facebook.com/', iconClass: 'fa-brands fa-facebook-f' },
  { url: 'https://www.twitter.com/', iconClass: 'fa-brands fa-twitter' }
];

function generateSocialLinks() {
  let socialMedia = document.querySelector('#socialMedia');
  let linksHTML = '';

  socialMediaLinks.forEach(function (socialMedia) {
    linksHTML += `<a href="${socialMedia.url}" target="_blank"><i class="fa ${socialMedia.iconClass}"></i></a>`;
  });

  socialMedia.innerHTML = linksHTML;
}
generateSocialLinks();

//Copyright date
let dateCopyRight = document.querySelector('#date');
let year = currentDate.getFullYear();
dateCopyRight.innerHTML = year;
}

```

```

// // Form validation
if (url.includes("/sign-up.html")) {

    let reName = /^[A-ZĐŽŠĆĆ][a-zđžšćć]{2,}$/;
    let reEmail = /^[a-z0-9]{3,}([\\.][a-z0-9\\-$\\*\\_]+)*[\\@](gmail.com|yahoo.com|edu.rs)$/;
    let rePassword = /^(?=.*[A-Za-z])(?=.*\\d)(?=.*[@$!%*?&])[A-Za-z\\d@$!%*?&]{8,}$/;

    $('#firstName').blur(function () {
        validateRegEx(reName, '#firstName', 'First name', 'Peter');
    })

    $('#lastName').blur(function () {
        validateRegEx(reName, '#lastName', 'Last name', 'Peterson');
    })

    $('#email').blur(function () {
        validateRegEx(reEmail, '#email', 'Email', 'peter123@gmail.com');
    })

    $('#password').blur(function () {
        validateRegEx(rePassword, '#password', 'Password', 'at least 8 charactres <br /> at least 1 uppercase letter <br /> at least 1 special chara
    })
}

```

```

$('#passwordRepeat').blur(function () {
    if ($('#passwordRepeat').val() == 0) {
        $('#passwordRepeat').addClass('error');
        $('#passwordRepeat').next().text('Please confirm password.');
```

error++;

```
    }
    else if ($('#passwordRepeat').val() != $('#password').val()) {
        $('#passwordRepeat').addClass('error');
```

\$('#passwordRepeat').next().text('Password doesn't match.');

```
        error++;
    }
    else {
        $('#passwordRepeat').removeClass('error');
```

\$('#passwordRepeat').addClass('success');

```
        $('#passwordRepeat').next().text('');
    }
});

function validateRegEx(regEx, element, requiredText, exampleText) {
    if ($(element).val() == 0) {
        $(element).addClass('error');
```

\$(element).next().text(requiredText + ' is required.');

```
        error++;
        return;
    }
    if (!$$(element).val().match(regEx)) {
        $(element).addClass('error');
```

\$(element).next().html('Format is not valid.Example: ' + exampleText);

```
        error++;
    }

    else {
        $(element).removeClass('error');
```

\$(element).addClass('success');

```
        $(element).next().text('');
    }
}

```

```

var error = 0;

$('#submit').click(validateOnSubmit);

function validateOnSubmit(e) {
    e.preventDefault();

    error = 0;
    validateRegex(reName, '#firstName', 'First name', 'Peter');
    validateRegex(reName, '#lastName', 'Last name', 'Peterson');
    validateRegex(reEmail, '#email', 'Email', 'peter123@gmail.com');
    validateRegex(rePassword, '#password', 'Password', 'at least 8 charactres <br />

    $('#passwordRepeat').blur();

    if (!error) {
        $('#submit').next().removeClass('d-none');
    }
    else {
        $('#submit').next().addClass('d-none');
    }
}

```