VISOKA ŠKOLA STRUKOVNIH STUDIJA ZA INFORMACIONE I KOMUNIKACIONE TEHNOLOGIJE

Dokumentacija:

https://tacumaki99.github.io/DizzyGillespie/

Sadržaj

Uvod

1.1. Korišćeni programski jezici

Za izradu sajta „Dizzy Gillespie" korišćeni su sledeći jezici:

- HTML
- CSS
- XML
- JavaScript
- jQuery (biblioteka Slick)

Navedeni jezici pisani su u editor-u „Visual Studio Code".

1.2 Opis funkcionalnosti

- Dinamički ispis navigacione liste u header-u
- Hamburger taster u header-u na manjim ekranima za prikaz navigacije
- Responsive sajt (U CSS-u)
- Slider sa sa tekstom (promena teksta na 4 sekunde)
- Provera kontakt forme (u JavaScript programskom jeziku)
- Footer stranice gde se nalazi link ka dokumentaciji sajta I sitemap.xml file-u.
- Dinamički ispis slika unutar galerije

1.3 Dizajn sajta

Za izradu sajta nije korišćen template.

Gallery

Диви Гилеспи на сурчинском аеродрому, 1955.   Фото Жика Милутиновић
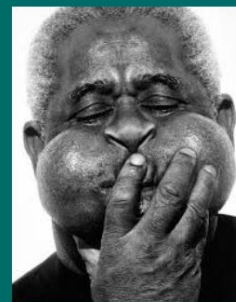
Contact

First name

Last name

E-Mail

■ Agree to Terms & Conditions

Submit

Author

Hey! My name is Tamara. I am from Belgrade.I'm corrently attendyng Collage of Information and Comunication Technologies. Before collage i finished two high schools, Zemunska gymnasium School and Music School "Stankovic". In spare time I play the trumpet and practice karate.

Due to my ardent love of music and my knowledge of music history, I decided to dedicate this project to one of the most commercially influential jazz players of all times.

Organizacija

2.1 Organizaciona šema

Sajt je napravljen tako da se sve nalazi u okviru jedne stranice (single-page).

- Index.html

2.2 Mapa sajta

```xml
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
<loc>https://tacumaki99.github.io/DizzyGillespie/</loc>
<lastmod>2022-12-15T01:28:10+00:00</lastmod>
<changefreq>daily</changefreq>
<priority>1.0</priority>
</url>
</urlset>
```

2.3 Organizacija sajta

Header

U vrhu stranice sa desne strane se nalazi navigacioni meni kijim se lakse dolazi do željenih delova stranice.


Za manju veličinu ekrana namenjen je "Hamburger dugme" kojim se otvara navikacija.

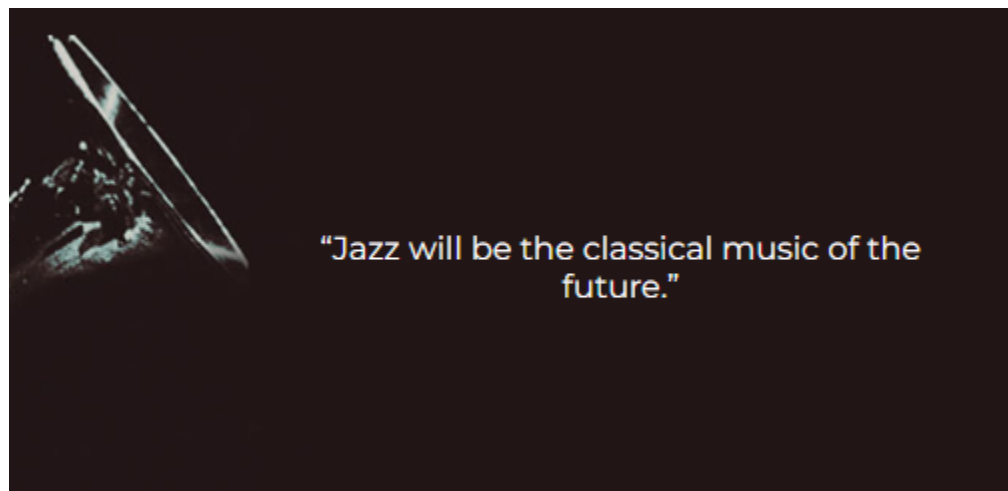Ispis liste za navigaciju izvrsava se Javascript kodom.

Pored navigacije u Header-u se nalazi I logo koji je vidljiv na svim veli;inama ekrana.

"Hamburger dugme" I navigacija namenjena većim dimenzijama ekrana se nikada nepojavljuju istovremeno.

Otvaranje navigacije preko "Hemburger dugmeta" se izvrsava Javascript kodom.
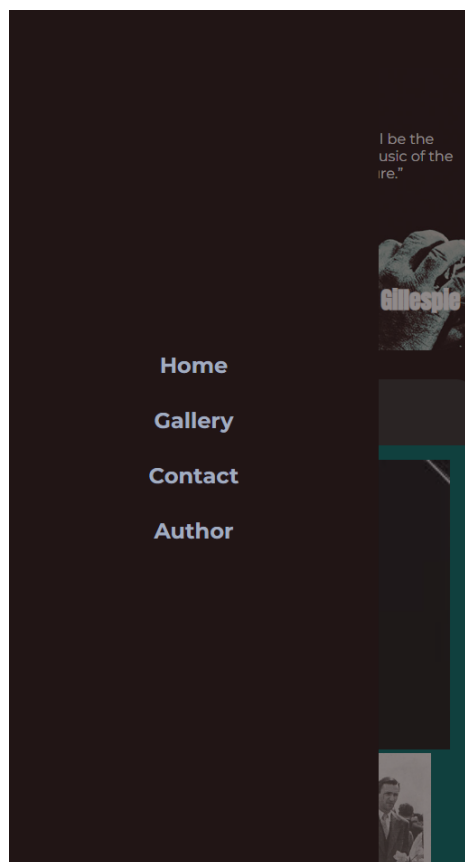
Slider
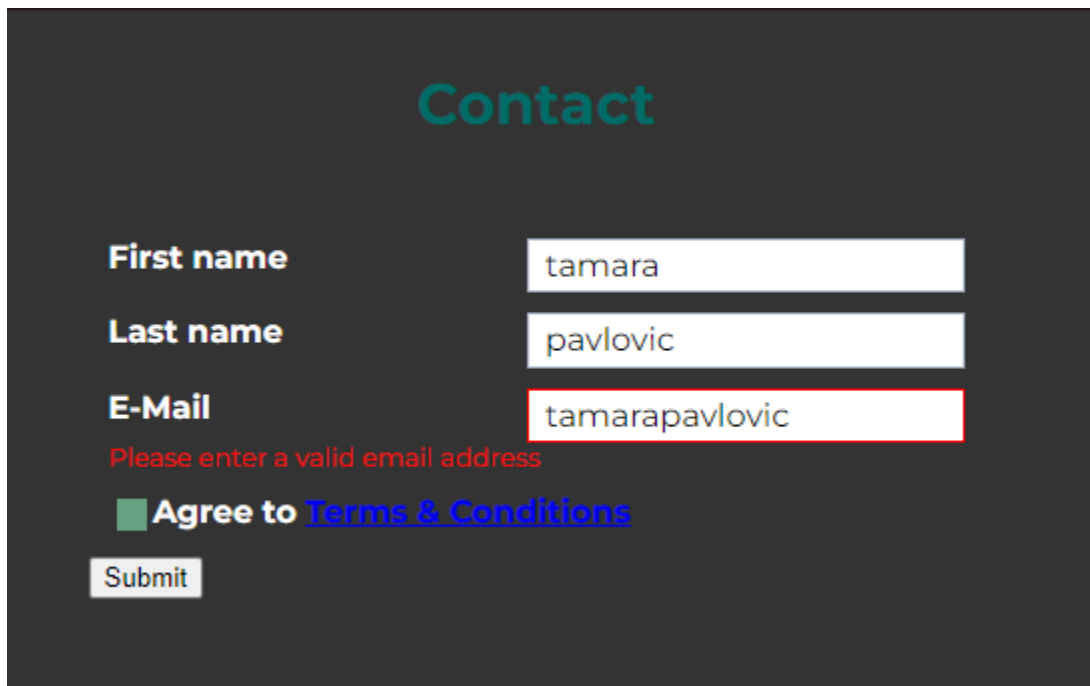
Smena teksta se izvrsava Javascript kodom I promena se desava na 4 sekunde.

Provera Forme se izvrsava Javascriptom I vraca se informacija korisniku u slučaju da postoji pogrešno uneto polje.

Forma blokira dugme u slucaju da su polja neispravno uneta ili prazna.

Contact

First name

This field is required

Last name

This field is required

E-Mail

This field is required

☐ **Agree to Terms & Conditions**
You must agree to terms and conditions to proceed.

Submit

Kodovi

3.1 HTML

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <meta name="author" content="Tamara Pavlović" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta
      name="description"
      content="John Birks Dizzy Gillespie, gallery and life discography"
    />
    <meta
      name="keywords"
      content="John Birks Dizzy Gillespie, Dizzy Gillespie, Birks' Work,
Anthropology,Groovin' High, Desefinado"
    />
    <title>Dizzy Gillespie</title>
    <link rel="shortcut icon" href="favicon-trumpet_player.png" />
    <link rel="stylesheet" href="main.css" />
  </head>
  <body>
    <div class="backdrop"></div>
    <header id="main-header">
      <div>
        <button class="toggle-button">
          <span class="toggle-button__bar"></span>
          <span class="toggle-button__bar"></span>
          <span class="toggle-button__bar"></span>
        </button>
        <a href="#main-header" class="main-header__brand">
          <img
            src="img/trumpet_player_v2.jpg"
            alt="Trumpet player silhouette"
          />
        </a>
      </div>
      <nav class="main-nav">
        <ul class="main-nav__items">
          <!--Content is done through JavaScript => mainNav-->
        </ul>
```

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```html
    </nav>
  </header>
  <nav class="mobile-nav">
    <ul class="mobile-nav__items">
      <!--Content is done through JavaScript => mobileNav-->
    </ul>
  </nav>
  <main>
    <section id="overview">
      <div class="quotes-slider">
        <q>I don't care much about music. What I like is sounds.</q>
      </div>
      <div class="quotes-slider">
        <q>It's taken me all my life to learn what not to play.</q>
      </div>
      <div class="quotes-slider">
        <q>The idea of life is to give and receive.</q>
      </div>
      <div class="quotes-slider">
        <q>Jazz will be the classical music of the future.</q>
      </div>
      <h1>John Birks Dizzy Gillespie</h1>
    </section>
    <section id="gallery">
      <h1 id="gallery_title" class="section-parts_title">Gallery</h1>
      <div class="gallery_items_container">
      </div>
    </section>

    <section id="contact" class="contact_form-section ">
      <h1 id="contact-title" class="section-parts_title">Contact</h1>
      <form action="index.html" class="contact-form">
        <div class="form-row">
          <div>
            <label for="firstName">First name</label>
            <input type="text" id="firstName" />
          </div>
          <span
            class="form-err"
            role="alert"
            id="firstNameErr"
            aria-hidden="true"
          >
            This field is required
          </span>
```

```html
    </div>
    <div class="form-row">
      <div>
        <label for="lastName">Last name</label>
        <input type="text" id="lastName" />
      </div>
      <span
        class="form-err"
        role="alert"
        id="lastNameErr"
        aria-hidden="true"
      >
        This field is required
      </span>
    </div>
    <div class="form-row">
      <div>
        <label for="email">E-Mail</label>
        <input type="email" id="email" />
      </div>
      <span
        class="form-err"
        role="alert"
        id="emailErr"
        aria-hidden="true"
      >
        This field is required
      </span>
      <span
        class="form-err"
        role="alert"
        id="emailErrValid"
        aria-hidden="true"
      >
        Please enter a valid email address
      </span>
    </div>
    <div class="signup-form__checkbox form-row">
      <div>
        <input type="checkbox" id="agreeTerms" />
        <label for="agreeTerms"
          >Agree to
          <a href="#">Terms &amp; Conditions</a>
        </label>
      </div>
```

```html
        <span
          class="form-err"
          role="alert"
          id="agreeTermsErr"
          aria-hidden="true"
        >
          You must agree to terms and conditions to proceed.
        </span>
      </div>
      <button id="submit" type="submit" class="button">Submit</button>
    </form>
  </section>
  <section id="author" class="section-parts">
    <h1 id="author_title" class="section-parts_title">Author</h1>
      <img class="author_img" src="img/autor.jpeg" />
      <div class="author_text">
        <p>
          Hey! My name is Tamara. I am from Belgrade.I'm corrently attendyng
          Collage of Information and Comunication Technologies. Before
          collage i finished two high schools, Zemunska gymnasium School and
          Music School "Stankovic". In spare time I play the trumpet and
          practice karate.
        </p>
        <p>
          Due to my ardent love of music and my knowledge of music history,
          I decided to dedicate this project to one of the most commercially
          influential jazz players of all times.
        </p>
      </div>
  </section>
</main>
<footer class="main-footer">
  <nav>
    <ul class="main-footer__links">
      <li class="main-footer__link">
        <a href="assets/sitemap.xml">Sitemap</a>
      </li>
      <li class="main-footer__link">
        <a href="Dokumentacija.pdf">Dokumentacija</a>
      </li>
      <li class="main-footer__link">
        Copyright &#169; Tamara Pavlović 239/20
      </li>
    </ul>
  </nav>
```

```html
    </footer>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>
    <script type="text/javascript" src="main.js"></script>
  </body>
</html>
```

3.2 CSS

main.css

```css
@import url('https://fonts.googleapis.com/css?family=Anton');
@import url('https://fonts.googleapis.com/css?family=Montserrat:400,700');


*{
  box-sizing: border-box;
}



html{
  height: 100%;

}

body{
  font-family: 'Montserrat', sans-serif;
  margin: 0;
  display: grid;
  grid-template-rows: 3.5rem auto fit-content(8rem);
  grid-template-areas: "header" "main" "footer";
  height: 100%;
}

.backdrop{
  position: fixed;
  display: none;
  top: 0;
  left: 0;
  z-index: 100;
  width: 100vw;
  height: 100vh;
  background: #211515;
  opacity: 0.5;
}

#main-header{
  width: 100%;
  position: fixed;
  top: 0;
  left: 0;
  background: #211515;
```

```css
  padding: 0.5rem 1rem;
  z-index: 60;
  display: flex;
  align-items: center;
  justify-content: space-between;
}


.toggle-button{
  width: 3rem;
  background: transparent;
  border: none;
  cursor: pointer;
  padding-top: 0;
  padding-bottom: 0;
  vertical-align: middle;
}

.toggle-button:focus{
  outline: none;
}

.toggle-button__bar{
  width: 100%;
  height: 0.2rem;
  background: #A2ADC0;
  display: block;
  margin: 0.6rem 0;
}

.main-header__brand{
  text-decoration: none;
  font-weight: bold;
}

.main-header__brand img{
  height: 2.5rem;
  vertical-align: middle;
}

.main-nav{
  display: none;
}

.main-nav__items{
```

```css
  margin: 0;
  padding: 0;
  list-style: none;
  display: flex;
  justify-content: end;
}

.main-nav__item{
  margin: 0 1rem;
}

.main-nav__item a,
.mobile-nav__item a{
  text-decoration: none;
  color: #A2ADC0;
  font-weight: bold;
  padding: 0.2rem 0;
}

.main-nav__item a:hover,
.main-nav__item a:active{
  color: #7c8594;
  border-bottom: 5px solid #7c8594;
}

.mobile-nav{
  display: none;
  position: fixed;
  z-index: 101;
  top: 0;
  left: 0;
  background: #211515;
  width: 80%;
  height: 100vh;
}

.mobile-nav__items{
  width: 90%;
  height: 100%;
  list-style: none;
  margin: 0 auto;
  padding: 0;
  display: flex;
  flex-direction: column;
  justify-content: center;
```

```css
    align-items: center;
}

.mobile-nav__item{
    margin: 1rem 0;
}

.mobile-nav__item a{
    font-size: 1.5rem;
}

.open{
    display: block !important;
}

.main-footer{
    background: black;
    padding: 2rem;
    grid-area: footer;
}

.main-footer__links{
    list-style: none;
    margin: 0;
    padding: 0;
    display: flex;
    flex-direction: column;
    align-items: center;
}

.main-footer__link{
    margin: 0.5rem 0;
    color: white;
}

.main-footer__link a{
    color: white;
    text-decoration: none;
}

.main-footer__link a:hover,
.main-footer__link a:active{
    color: #ccc;
}
```

```css
main{
  grid-area: main;
  background-color: #211515;
  display: grid;
  grid-template-rows: [overview] auto [gallery] auto [contact] auto [author]
auto;
  grid-row-gap:2rem;
  align-items: center;
  justify-content: center;
}

#overview{
  background: url("img/dizzy_gillespie-mainpage.jpg") left/cover no-repeat
border-box;
  width: 100%;
  height: 33vh;
  position: relative;
  grid-area: overview;
}

.quotes-slider{
  position: absolute;
  top: 4.8rem;
  right: 3%;
  color: white;
  width: 35%;
  text-align: center;
}

#overview h1{
  color: white;
  font-family: "Anton", sans-serif;
  position: absolute;
  bottom: 5%;
  right: 3%;
  font-size: 1.6rem;
}

.section-parts_title {
  color: #A2ADC0;
  text-align: center;
}

#gallery{
  grid-area: gallery;
```

```css
  margin: auto;
  background-color: #006c67;
}

.gallery_items_container{
  display: flex;
  margin: 1rem;
  flex-wrap: wrap;
  align-items: center;
  justify-content: space-around;
}

.gallery_items__img{
  height: 10rem;
  margin: 0.5rem 0;
}

#contact{
  grid-area: contact;
  background-color: #333333;
}

#author{
  grid-area: author;
}

.contact-form{
  padding: 1rem;
  display: block;
  grid-auto-rows: 2rem;
  grid-row-gap: 0.5rem;
}

.contact-form div:nth-child(1){
  flex: 1;
}

.contact-form label{
  font-weight: bold;
  color: white;
}

.contact-form label,
.contact-form input,
.contact-form select{
```

```css
  display: block;
  width: 100%;
}

.contact-form input[id*="terms"],
.contact-form input[id*="terms"] + label{
  display: inline-block;
  width: auto;
  vertical-align: bottom;
}

.contact-form input:not([type="checkbox"]),
.conatct-form select{
  border: 1px solid #A2ADC0;
  padding: 0.2rem 0.5rem;
  font: inherit;
}

.contact-form input:focus,
.contact-form select:focus{
  outline: none;
  background: #A2ADC0;
  border-color: #A2ADC0;
}

.contact-form input[type="checkbox"]{
  border: 1px solid #A2ADC0;
  background: white;
  width: 1rem;
  height: 1rem;
  appearance: none;
}

.contact-form input[type="checkbox"]:checked{
  background: #66a182;
  border: #66a182;
}

.contact-form_invalid,
.contact-form_invalid ,
.contact-form_invalid {
  border-color: red !important;
  background: #faacac;
}
```

```css
.contact-form button[type="submit"]{
  display: block;
}

#author{
  justify-self: center;
  display: grid;
  grid-template-columns: 1fr;
  align-items: center;
}

.author_img {
  grid-row-start:2;
  grid-row-end: 3;
  margin: 2rem;
  width: 13rem;
  justify-self: center;
}

.author_text{
  grid-row-start: 3;
  grid-row-end: 4;
  text-align: center;
  color: #A2ADC0;
}

@media(min-width:40rem){
  .main-nav{
      display: flex;
  }

  .toggle-button {
      display: none;
  }
}

@media (min-width: 40rem) and (min-height: 40rem) {
    #overview {
      height: 40vh;
      background-position: 25% 25%;
    }

    .quotes-slider  {
        position: absolute;
        top: 25%;
```

```css
        right: 3%;
        width: 25%;
    }

    #overview h1 {
        font-size: 3rem;
    }
}

@media (min-width: 40rem) {
    .main-footer__link {
        margin: 0 1rem;
    }

    .main-footer__links {
        flex-direction: row;
        justify-content: center;
    }
}

@media (min-width: 40rem){
  #gallery{
    border-radius: 20px;
    width: 95%;
  }

  .gallery_items__img{
    height: 20rem;
    margin: 0.5rem 0;
  }
}

@media (min-width: 40rem) {
  .contact-form {
    margin: auto;
    width: 30rem;
    grid-template-columns: 10rem auto;
    grid-row-gap: 1rem;
    grid-column-gap: 0.5rem;
  }

  .contact-form [id="title"] {
    grid-column: span 2;
  }
```

```css
    .contact-form__checkbox {
        grid-column: span 2;
    }
}

@media (min-width: 40rem){
  #author{
    grid-template-columns: 1fr 2fr;
    grid-template-rows: 6rem auto;
    width: 60%;
  }

  #author_title{
    grid-row-start: 1;
    grid-row-end: 2;
    grid-column-start: 1;
    grid-column-end: 3;
  }

  .author_img {
    box-shadow:-8px -8px #777777;
  }

  .author_text{
    grid-row-start: 2;
    grid-row-end: 3;
    grid-column-start: 2;
    grid-column-end: 3;
  }
}

.form-err{
  display: none;
  font-size: 0.8em;
}

input.invalid{
  border-color: red !important;
}

.form-err.visible{
  display: block;
  color: red;
}
```

```css
#firstNameErr {
  display: none;
  font-size: 0.8em;
}

#firstNameErr.visible {
  display: block;
}

.form-row{
  display: block;
  margin: 10px;
}

.form-row > div{
  display: flex;
}
```

3.3 JavaScript

main.js

```javascript
// Nav menu
const $main_nav__item = $('.main-nav__items');
const $mobile_nav__item = $('.mobile-nav__items');

const nav__item = [
  {
    href: 'index.html',
    name: 'Home',
  },
  {
    href: '#gallery',
    name: 'Gallery',
  },
  {
    href: '#contact',
    name: 'Contact',
  },
  {
    href: '#author',
    name: 'Author',
  },
];
//mainNav
for (let i in nav__item) {
  $main_nav__item.append(
    `<li class="main-nav__item"><a
href="${nav__item[i].href}">${nav__item[i].name}</a></li>`
  );
}
//mainNav
//mobileNav
for (let i in nav__item) {
  $mobile_nav__item.append(
    `<li class="mobile-nav__item"><a
href="${nav__item[i].href}">${nav__item[i].name}</a></li>`
  );
}

var backdrop = document.querySelector('.backdrop');
var toggleButton = document.querySelector('.toggle-button');
var mobileNav = document.querySelector('.mobile-nav');
```

```javascript
toggleButton.addEventListener('click', function () {
  mobileNav.classList.add('open');
  backdrop.classList.add('open');
});

backdrop.addEventListener('click', function () {
  mobileNav.classList.remove('open');
  backdrop.classList.remove('open');
});

document
  .querySelector('.mobile-nav__item')
  .addEventListener('click', function () {
    mobileNav.classList.remove('open');
    backdrop.classList.remove('open');
  });
//mobileNav
// Nav menu

// quoteSlider
let slideIndex = 0;
quoteSlidesShow();

function quoteSlidesShow() {
  let i;
  let quoteSlides = document.getElementsByClassName('quotes-slider');
  for (i = 0; i < quoteSlides.length; i++) {
    quoteSlides[i].style.display = 'none';
  }
  slideIndex++;
  if (slideIndex > quoteSlides.length) {
    slideIndex = 1;
  }
  quoteSlides[slideIndex - 1].style.display = 'block';
  setTimeout(quoteSlidesShow, 4000);
}
// quoteSlider

//gallery

const $gallery_item = $('.gallery_items_container');
const gallery_items__img = [
  {
    src: 'img/dizzygillespie.jpg',
    alt: 'John Birks Dizzy Gillespie',
```

```javascript
      text: "John Birks 'Dizzy' Gillespie was an American jazz trumpeter,
bandleader, composer, educator and singer.",
  },
  {
    src: 'img/dizzy-gillespie-beograd-1955.jpg',
    alt: 'John Birks Dizzy Gillespie',
    text: "Dizzy Gillespie first time in Belgrade. Dizzy Gillespie had his first
concert in Belgrade, 1955. in the premises of Kolarac",
  },
  {
    src: 'img/DizzyGillespieBalloonCheeks.jpg',
    alt: 'Dizzy Gillespie`s Balloon Cheeks',
    text: "He was know for his balloon cheeks. His mouth's buccinator muscles
that line the cheeks were very streched and deformed.",
  },
  {
    src: 'img/trumpeter,bandleader.jpg',
    alt: 'Jazz ansambl',
    text: "He was a trumpeter, bandleader, composer, educator and singer.",
  }
  ,
  {
    src: 'img/unique_trumpet.jpg',
    alt: 'Dizzy Gillespie`s unique trumpet',
    text: "His unique trumpet desinge comes from accidental damage that happend
on stage. The dancers Stump and Stumpy falling onto the instrument while it was
on a trumpet stand on stage at Snookie's in Manhattan on January 6. 1953.",
  }
];

for (let i in gallery_items__img) {
  $gallery_item.append(
    `<img class="gallery_items__img" src="${gallery_items__img[i].src}"
alt="${gallery_items__img[i].alt}">`
  );
}



//gallery

//discography
//discography

//contact
```

```javascript
var first_name = document.getElementById('first_name');
var last_name = document.getElementById('last_name');
var email = document.getElementById('email');
var agree_terms = document.getElementById('agree-terms');

const submit = document.getElementById('submit');

submit.addEventListener('click', validateForm);

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

  const firstName = document.getElementById('firstName');
  const firstNameErr = document.getElementById('firstNameErr');
  const lastName = document.getElementById('lastName');
  const lastNameErr = document.getElementById('lastNameErr');
  const email = document.getElementById('email');
  const emailErr = document.getElementById('emailErr');
  const agreeTerms = document.getElementById('agreeTerms');
  const agreeTermsErr = document.getElementById('agreeTermsErr');

  if (!firstName.value) {
    firstNameErr.classList.add('visible');
    firstName.classList.add('invalid');
    firstNameErr.setAttribute('aria-hidden', false);
    firstName.setAttribute('aria-invalid', true);
  }
  else {
    firstNameErr.classList.remove('visible');
    firstName.classList.remove('invalid');
    firstNameErr.setAttribute('aria-hidden', true);
    firstName.setAttribute('aria-invalid', false);
  }

  if (!lastName.value) {
    lastNameErr.classList.add('visible');
    lastName.classList.add('invalid');
    lastNameErr.setAttribute('aria-hidden', false);
    lastNameErr.setAttribute('aria-invalid', true);
  }
  else {
    lastNameErr.classList.remove('visible');
    lastName.classList.remove('invalid');
    lastNameErr.setAttribute('aria-hidden', true);
    lastNameErr.setAttribute('aria-invalid', false);
```

```
    }

    console.log(email.value);
    if (!email.value) {
      emailErr.classList.add('visible');
      email.classList.add('invalid');
      emailErr.setAttribute('aria-hidden', false);
      email.setAttribute('aria-invalid', true);
    } else if (
      !email.value
        .toLowerCase()
        .match(
          /^((([^<>()[\]\.,;:\s@\"]+(\.[^<>()[\]\.,;:\s@\"]+)*)|(\".+\"))@(([^<>()[\
]\.,;:\s@\"]+\.)+[^<>()[\]\.,;:\s@\"]{2,}))$/i
        )
    ) {
      emailErrValid.classList.add('visible');
      email.classList.add('invalid');
      emailErrValid.setAttribute('aria-hidden', false);
      email.setAttribute('aria-invalid', true);
    }
    else {
      emailErrValid.classList.remove('visible');
      email.classList.remove('invalid');
      emailErrValid.setAttribute('aria-hidden', true);
      email.setAttribute('aria-invalid', false);
    }

    if (!agreeTerms.checked) {
      agreeTermsErr.classList.add('visible');
      agreeTerms.classList.add('invalid');
      agreeTermsErr.setAttribute('aria-hidden', false);
      agreeTerms.setAttribute('aria-invalid', true);
    }
    else {
      agreeTermsErr.classList.remove('visible');
      agreeTerms.classList.remove('invalid');
      agreeTermsErr.setAttribute('aria-hidden', true);
      agreeTerms.setAttribute('aria-invalid', false);
    }
}
//contact
```