

ДОКУМЕНТАЦИЈА

worldCraft



<https://laxon17.github.io/worldCraft/>

WEB PROGRAMIRANJE 2

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УВОД

1.1 Коришћени програмски језици

За израду сајта, коришћени су слjedeћи језици:

- HTML
- CSS/SCSS (Materialize framework)
- JavaScript
- jQuery
- XML
- JSON
- Регуларни изрази

Сви наведени језици, библиотеке и фрејмворкови су писани унутар „Visual Studio Code” окружења.

1.2 Опис функционалности

Садржај свих страница је мјешовито исписан. Свака страница садржи и статичке и динамичке елементе. Динамички су: линкови навигационог менија, категорије, произвођачи, концентрације, сами производи, корпа и ставке поруџбине и листа жеља, које се учитавају из екстерне „JSON” датотеке и локалног складишта. Што се тиче статичких елемената, то су сви текстови информативног карактера који се неће мјењати и елементи за унос у контакт форми и форми за наручивање производа.

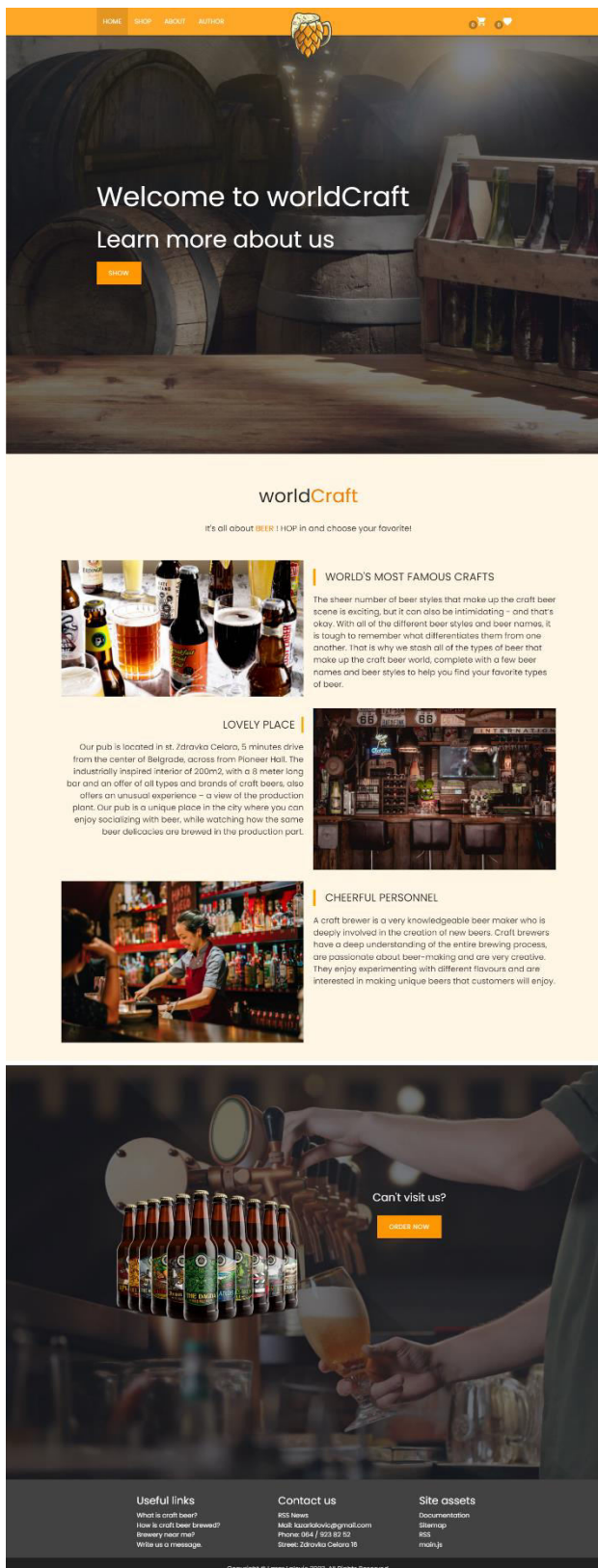
Остале функционалности су:

- Динамичко генерисање картица за производе, које садрже текстуални опис и најбитније карактеристике производа
- Претрага производа по имену,
- Филтрирање производа по имену категорије,
- Филтрирање производа по имену произвођача,
- Филтрирање производа по концентрацији алкохола,
- Сортирање производа по: цијени (растуће, опадајуће) и називу (растуће, опадајуће),
- Валидација контакт форме и форме за поруџбину (о томе више у детаљном опису функционалности),
- Сврставање производа у листу жеља, која се чува у локалном складишту, те је доступна на свакој страници (фаворити),
- Сврставање производа у корпу за поруџбину, која се такође чува у локалном складишту и доступна је на свакој страници,
- Генерисање рачуна на основу елемената из корпе и њихове количине/цијене.

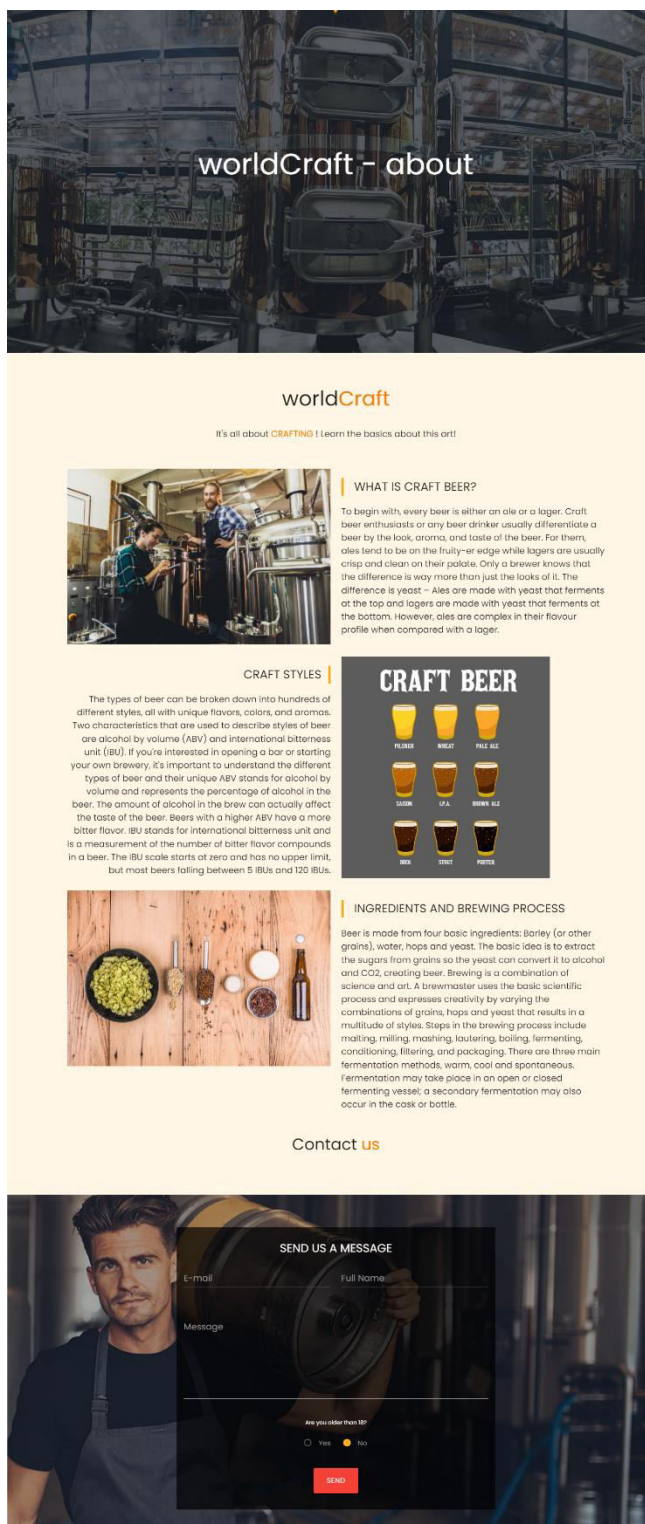
1.3 Дизајн сајта

За израду сајта није коришћено готово рјешење, као ни „template”. Сајт је прилагођен за све врсте уређаја!

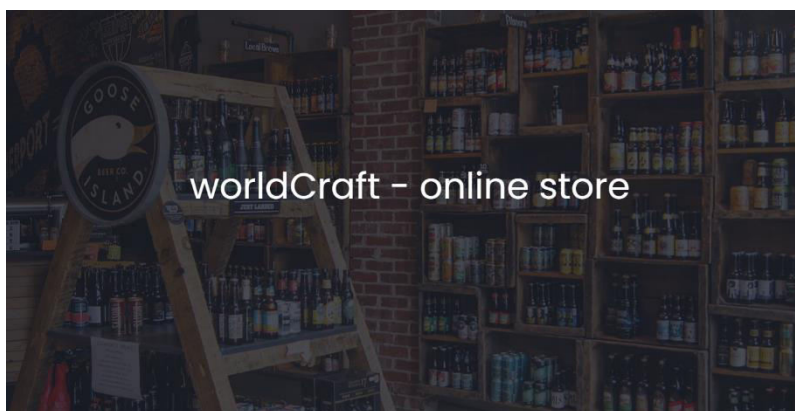
страница 1. /index.html



страница 2. /about.html



страница 3. /shop.html



worldCraft

It's all about **TASTE** ! Choose and order now !

Search
e.g. Erdinger Hell

CLEAR FILTERS

Filters

Type

- ☐ APA
- ☐ Cream Ale
- ☐ Dunkel
- ☐ German Pilsner
- ☐ Helles
- ☐ Hefe
- ☐ IPA
- ☐ Milk Stout
- ☐ Jungle Ale

Brand

- ☐ Ayinger
- ☐ Dog Fish
- ☐ Dogma
- ☐ Erdinger
- ☐ Flying Dog
- ☐ Hofbräu
- ☐ Paulaner
- ☐ Sweet Water
- ☐ Firestone
- ☐ Oscar B.
- ☐ New Belgium
- ☐ Pilsner
- ☐ Pirate Life
- ☐ Puller
- ☐ Sierra Nevada
- ☐ Summer Solstice
- ☐ Weiherstephaner
- ☐ Victory Prima
- ☐ Genesee

Alc. %

- ☐ 5-7
- ☐ 8-10
- ☐ >10

Sorting

Name ASC

120min-IPA

Dog Fish
IPA
Alc. % 18.7

€ 4.99

ADD TO CART

APA

Sierra Nevada Pale Ale is a delightful example of the classic pale ale style. It has a deep amber color and a exceptionally full-bodied, complex character. The fragrant bouquet and spicy flavor are the results of the generous use of the best Cascade hops.

Albino

Dogma
IPA
Alc. % 6.7

€ 1.19

ADD TO CART

Ayahuasca

Dogma
Jungle Ale
Alc. % 6

€ 2.75

ADD TO CART

Black

Pirate Life
Dunkel IPA
Alc. % 5.8

€ 1.49

ADD TO CART

Bloodline

Flying Dog
APA
Alc. % 5.5

€ 1.79

ADD TO CART

Calculator

Dogma
IPA
Alc. % 6.6

€ 1.19

ADD TO CART

Cream Ca

Summer Solstice
Cream Ale
Alc. % 5

€ 1.2

ADD TO CART

Creamee

Genesee
Cream Ale
Alc. % 5.1

€ 1.49

ADD TO CART

Crna Krava

Dogma
Milk Stout
Alc. % 5.35

€ 1.75

ADD TO CART

Dayblazer

New Belgium
Cream Ale
Alc. % 4.8

€ 1.09

ADD TO CART

Devi Dale's

Oscar B.
APA
Alc. % 5.7

€ 0.69

ADD TO CART

страница 4. /author.html

worldCraft – author



HELLO,

my name is Lazar Lalović. I am 22 years old. I was born in Zvornik and raised in a small town called Milići, Serbian Republic. Now, I am a second-year student at: "College of Vocational Studies for Information and Communication Technologies", where I am majoring in Web programming.

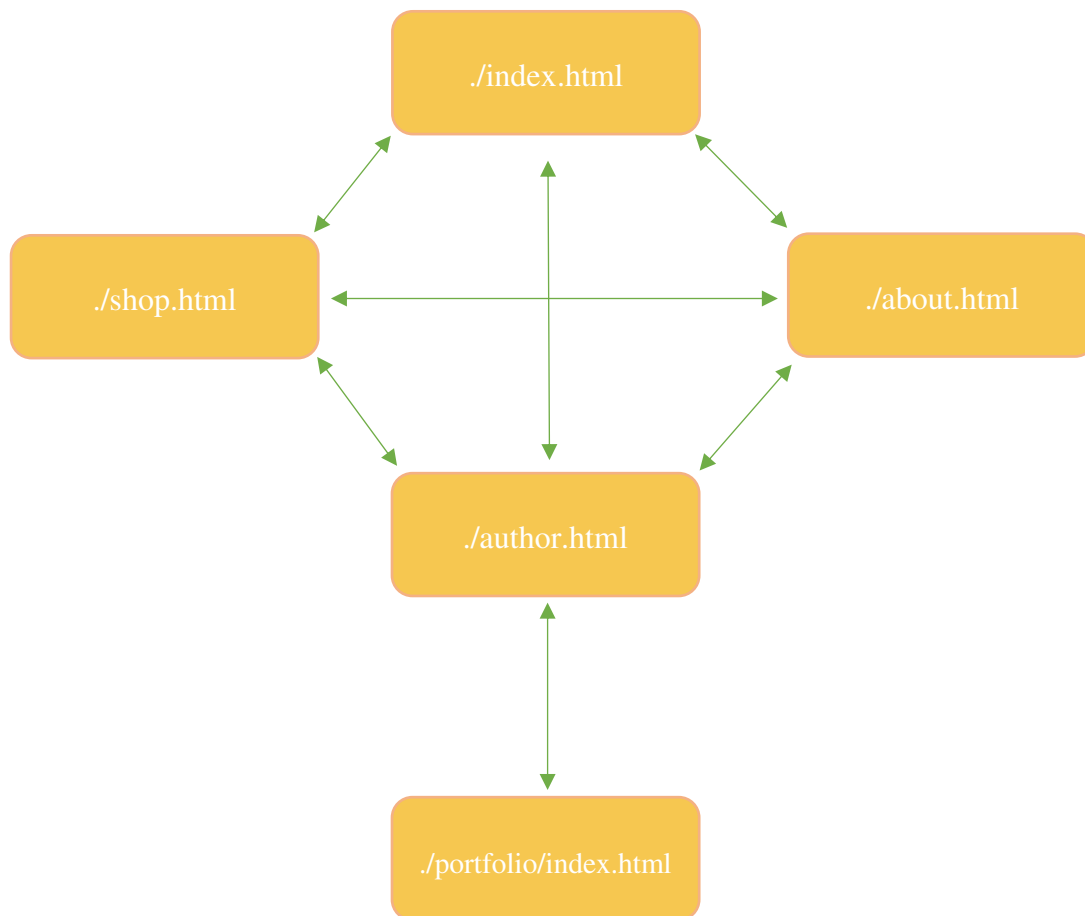
[MORE ABOUT ME](#)

ОРГАНИЗАЦИЈА САЈТА

2.1 Организација и повезаност страница

Сајт се састоји из четири странице, које су међусобно повезане. Свим се страницама може приступити из сваке странице (*шема 1.*). Једина страница, која има могућност редирекције на другу „web” локацију је страница „./author.html”, која има приступ детаљном портфолију аутора сајта.

шема 1. Организација и повезаност страница



2.2 Мапа сајта (XML)

```
<?xml version="1.0" encoding="utf-8" ?>

<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">

  <url>

    <loc>https://laxon17.github.io/worldCraft/shop.html</loc>

    <lastmod>2022-02-15</lastmod>

    <changefreq>daily</changefreq>

    <priority>1</priority>

  </url>

  <url>

    <loc>https://laxon17.github.io/worldCraft/index.html</loc>

    <lastmod>2022-02-13</lastmod>

    <changefreq>weekly</changefreq>

    <priority>0.85</priority>

  </url>

  <url>

    <loc>https://laxon17.github.io/worldCraft/about.html</loc>

    <lastmod>2022-02-11</lastmod>

    <changefreq>monthly</changefreq>

    <priority>0.75</priority>

  </url>

  <url>

    <loc>https://laxon17.github.io/worldCraft/author.html</loc>

    <lastmod>2022-02-13</lastmod>
```

```
<changefreq>yearly</changefreq>  
  
<priority>0.5</priority>  
  
</url>  
  
</urlset>
```

2.3 Новости и инструкции за „spider-e”

robots.txt датотека:

User-agent: *

Disallow: /worldCraft/private

Disallow: /worldCraft/admin

sitemap: <https://laxon17.github.io/worldCraft/assets/settings/sitemap.xml>

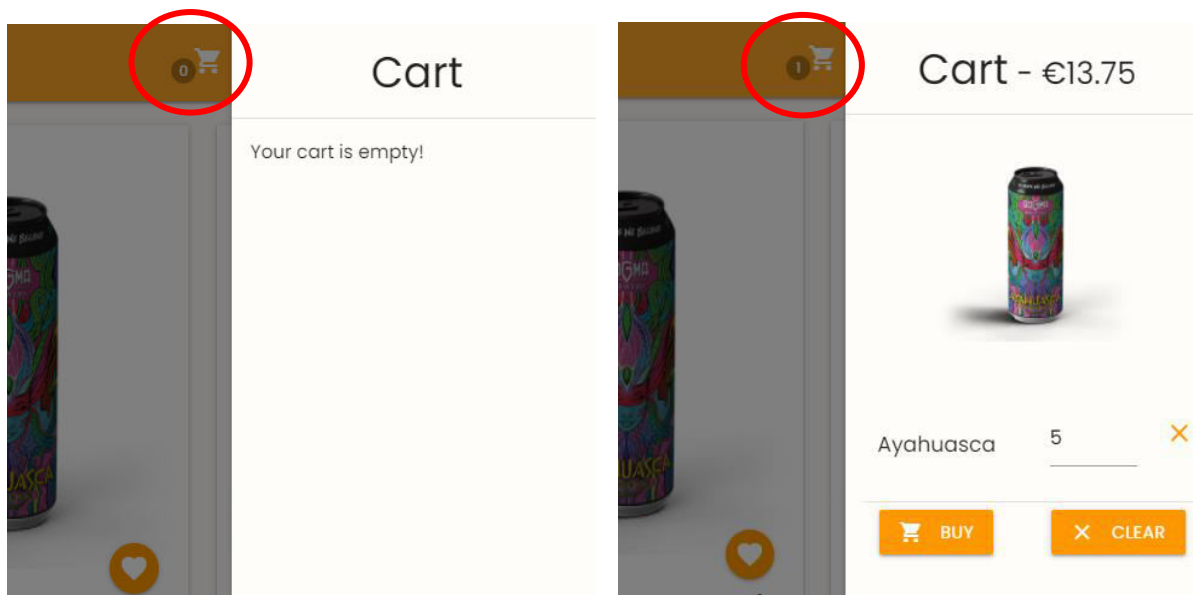
feed.rss датотека:

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0">
  <channel>
    <title>worldCraft</title>
    <link>https://laxon17.github.io/worldCraft/index.html</link>
    <description>News</description>
    <item>
      <title>Craft weekend!</title>
      <link>https://laxon17.github.io/worldCraft/shop.html</link>
      <description>We have a special discount on all Dogma beers. Check It
out!</description>
    </item>
    <item>
      <title>Craft with us!</title>
      <link>https://laxon17.github.io/worldCraft/about.html</link>
      <description>HOP in and learn these essential skills for beer
crafting!</description>
    </item>
  </channel>
</rss>
```

2.4 Сlike страница и опис функционалности

Корпа

На слици лијево, приказан је изглед празне корпе, као и мали индикатор (заокружено црвеном) који је кориснику увијек видљив и показује тренутно стање у корпи / листи жеља, а на слици десно је приказана попуњена корпа. У њој је могуће брисати и модификовати елементе (количина), као и потврда/пражњење корпе. По модификацији количине елемената или додавања/уклањања истих, укупна цијена се аутоматски ажурира.

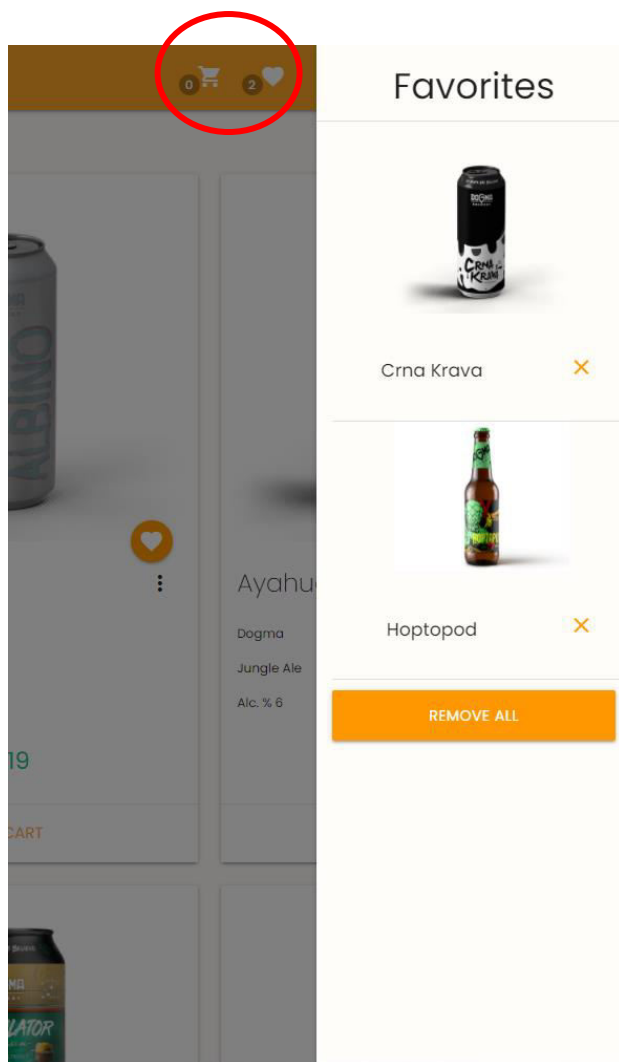
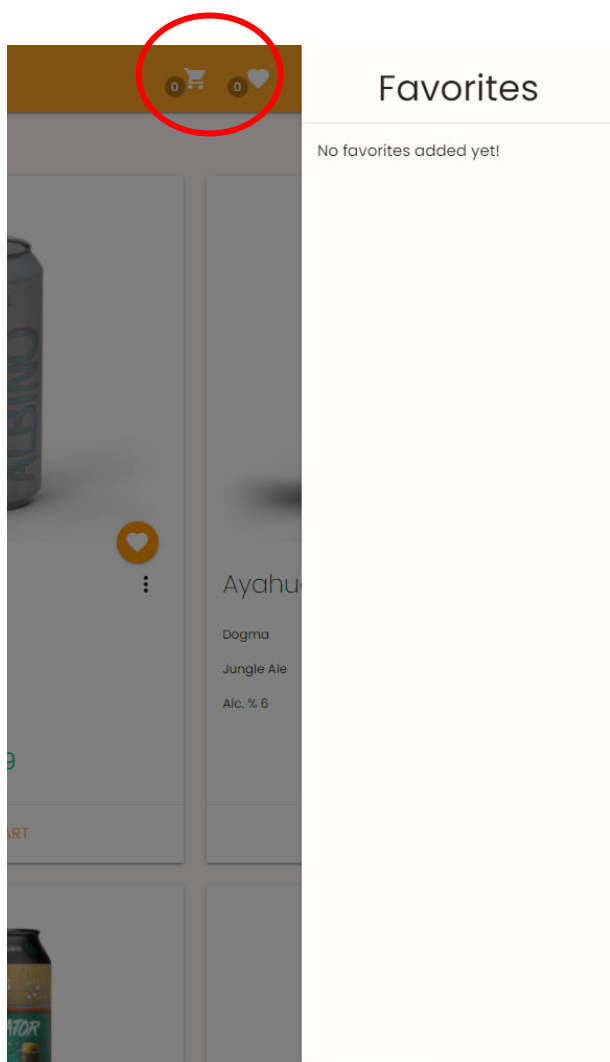


Потврђивањем корпе, креира се модал са рачуном и формом за [поруџбину](#).

Your cart items:				
Id	Name	Quantity	Price €: (per unit)	Total €
1	Ayahuasca	3	2.75	8.25
2	Pumpkin	2	2.5	5.00
3	Juice UP	1	2.79	2.79
4	Crna Krava	6	1.75	10.50
				Receipt = € <u>26.54</u>

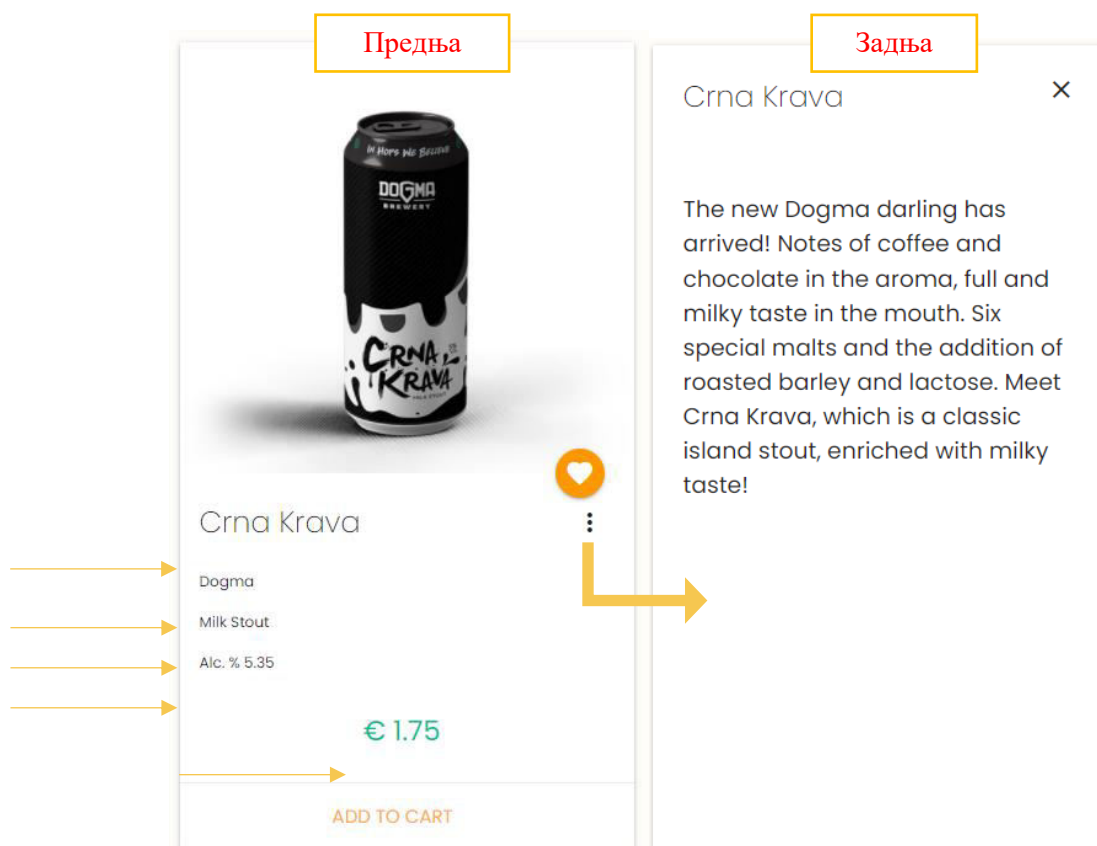
Листа жеља

Исти случај, као са корпом, индикатор који прати стање у листи, да корисник у сваком моменту зна има ли нешто означено као омиљено. Једине функционалности листе жеља јесу појединачно брисање елемената и комплетно пражњење листе. Сви елементи се чувају у локалном складишту.



Картица за производе

Картица за производе се динамички креира од низа информација, које се повлаче из екстерне датотеке: „beers.json”. На свакој картици постоји „предња” и „задња” страна. На „предњој” страни се налазе најбитније карактеристике тог производа и опције, као што су додавање производа у корпу или листу жеља, док на „задњој” страни пише кратак опис производа.



Стрелице (ка доле) указују на: назив, произвођача, тип/категорију, концентрацију алкохола и цијену производа, док дебља указује на начин приступања „задњој” страни.

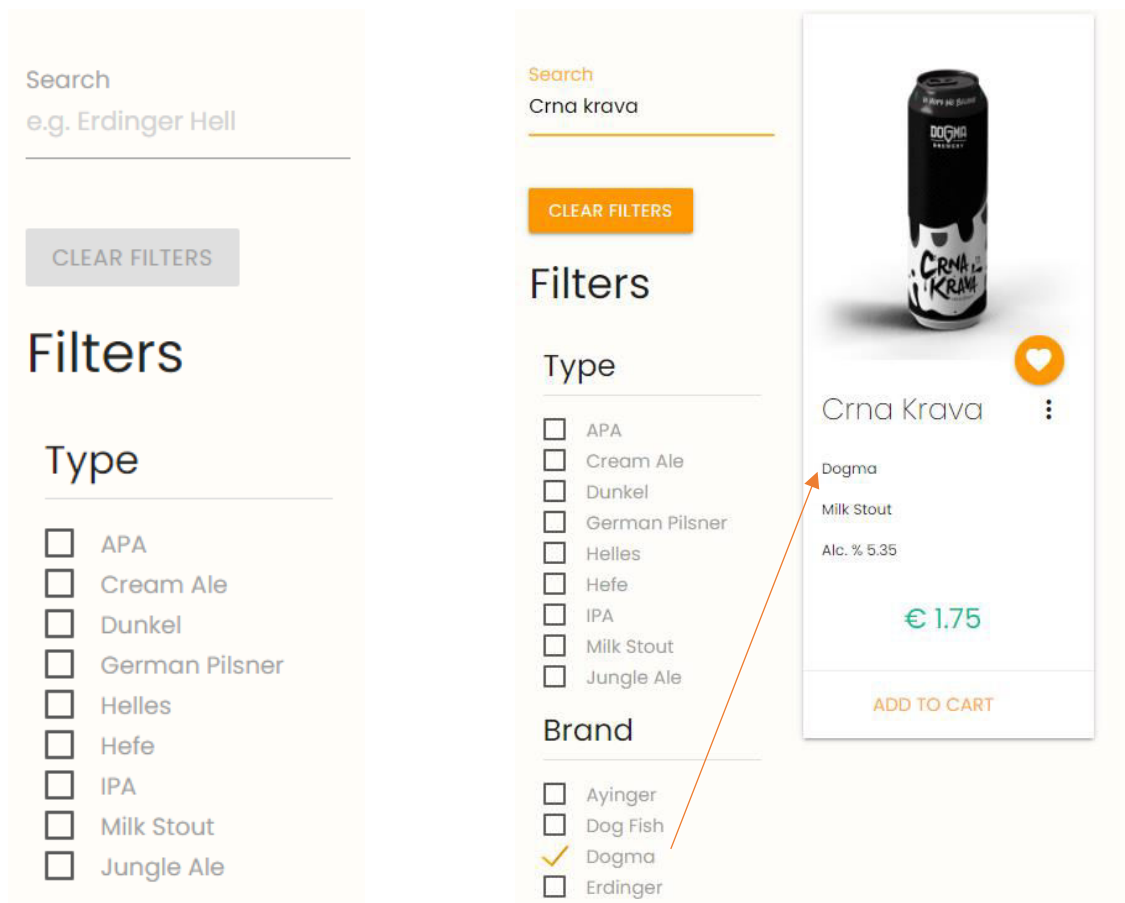
За функционалност, дугме „ADD TO CART” и иконица у облику срца, су задужени за слање производа у локално складиште (корпа/листа жеља).

Приликом интеракције са производом, корисник добија обавјештење, у зависности да ли је „раније” додао тај производ у корпу или листу жеља, тако и приликом уклањања.

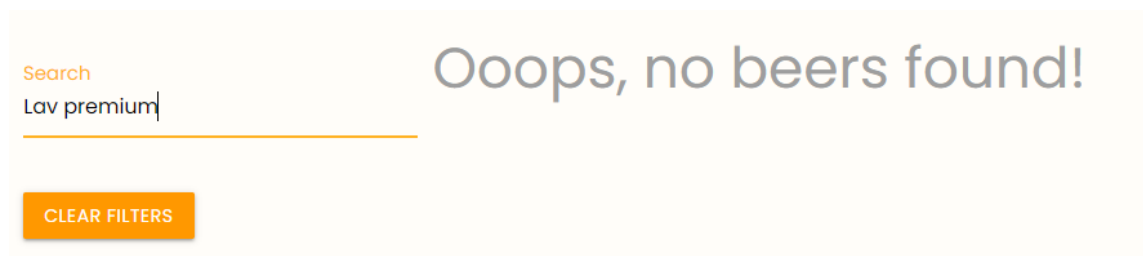
Beer added to cart!	Beer added to favorites!
Beer removed from cart!	Beer is already in favorites!
Beer is already in cart!	Beer removed from favorites!

Филтрирање и сортирање

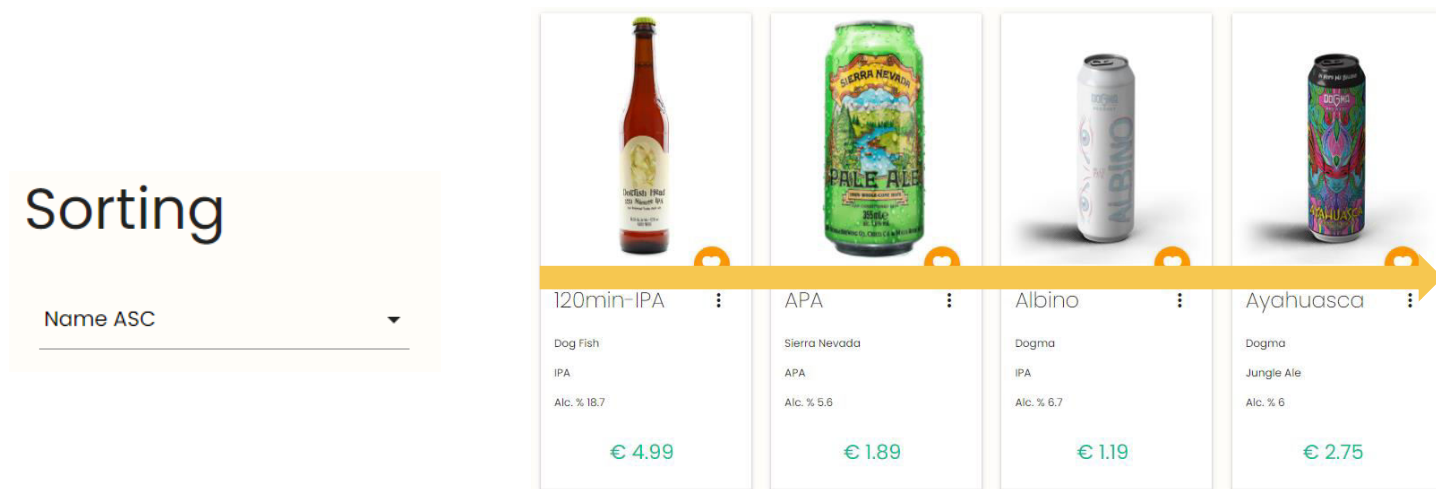
Као што је наведено, постоје 3 типа филтера, 4 сортирања и претрага. Одабиром једног од филтера или претраге, дугме „CLEAR FILTERS” није више укинута, те њиме се могу поништити сви филтери и приказује се подразумевана листа производа.



У случају да не постоје тражени производи, корисник добија обавјештење на мјесту производа:

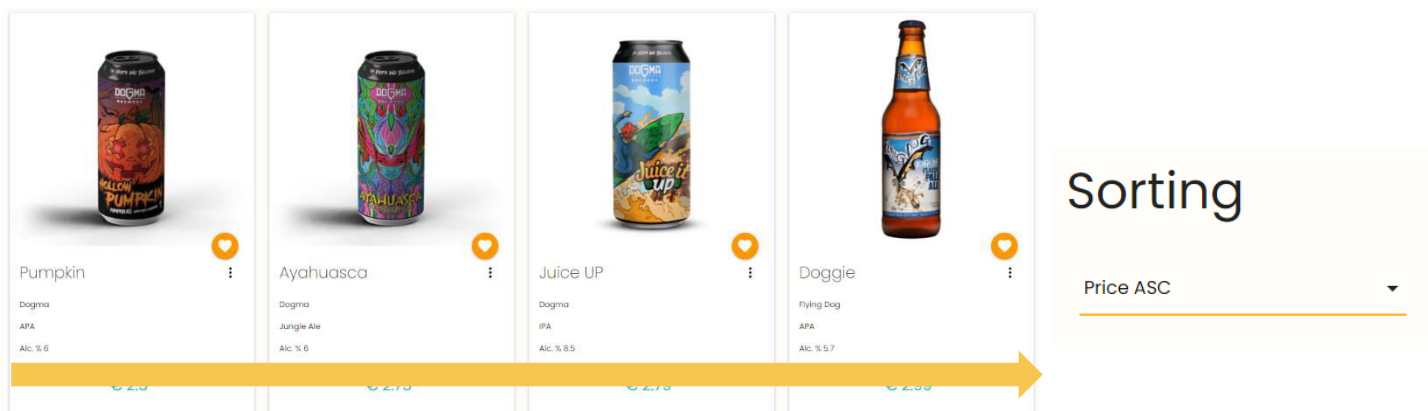


Што се тиче сортирања, иницијално по учитавању странице, кориснику је постављено сортирање по имену растуће (слика 1.) .



слика 1. Сортирање по имену, растуће

На следећем примјеру (слика 2.), видимо изабрано сортирање, по цијени растуће.



слика 2. Сортирање по цијени, растуће

Валидација форми

Валидација се врши провјером улазних података регуларним изразима.

На страници постоје двије форме: контакт форма (*./about.html*) и форма за наручивање производа која је доступна на свакој страници (кликом на „BUY” у корпи).

Механизам валидације је прецизан и јасан. Корисник у свим пољима има примјере какав формат података очекује, те јасне промјене у изгледу поља и дугмета (црвено-зелено), те обавјештења у виду порука.

1. Контакт форма

Контакт форма садржи поље које очекује правилно исписану мејл адресу (да садржи знак „@”, минимално један домен и одређене карактере). Сљедеће поље је за пуно име и презиме са оба велика слова и минимално једним размаком. Затим, текстуално поље које не смије остати празно, а такође дужина унесених карактера не смије прећи петсто. На крају се налази група - „radio button-a”, који имају улогу да спријече слање обрасца уколико је корисник малољетан.

На слици лијево је приказана неправилно попуњена форма. Може се примјетити да је унос за мејл адресу без знака „@” и адекватног домена, име и презиме не почињу великим словима, а текстуално поље празно. На слици десно је приказана правилно попуњена форма, са уредно форматираним подацима и „зеленим свијетлом” за слање обрасца.

SEND US A MESSAGE

E-mail: milkacanic.com
Full Name: milka canic

E-mail is not as expected!
Full name is not as expected!

Message:

Message must be between 0-500 characters!

Are you older than 18?
☐ Yes ☒ No

SEND

SEND US A MESSAGE

E-mail: milka_canic@mail.co.rs
Full Name: Milka Canić

✓

Message: Dobro veče!

✓

Are you older than 18?
☒ Yes ☐ No

SEND

2. Форма за поручивање производа

Форма за поручивање производа се такође провјерава регуларним изразима. Што се тиче корисничког искуства и механизма валидације, све је исто као са претходном формом, само се разликују улазни подаци. У форми за поручивање, име и презиме се провјеравају исто као у контакт форми.

Додато је поље за адресу корисника, које очекује минимално пет слова или бројева без специјалних карактера, поље за поштански број, који очекује само пет бројева из опсијега од нула до девет и на крају поље за контакт телефон корисника, који очекује минимално једанаест, а максимално дванаест бројева, а знак „+” је опционалан.

Delivery info

Full Name
e.g. John Doe

Full name is not as expected!

Address
e.g. Zdravka Celara 16

Address is not as expected!

Postal code
e.g. xxxxx

Postal code is not as expected!

Phone number
e.g. +xxx xx xxx xx xx

Phone number is not as expected!

SEND

Delivery info

Full Name
Milka Canić

✓

Address
Slagalice BB

✓

Postal code
01900

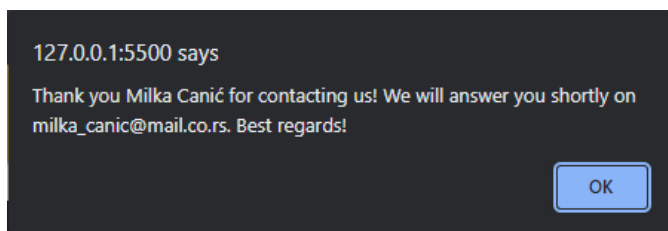
✓

Phone number
+381123456789

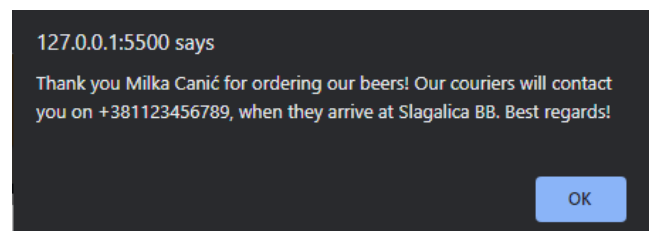
✓

SEND

Након свих провјера, слиједи слање обрасца, што се тиче поруке потврде, за контакт форму (слика 3.), а форму за поручивање производа (слика 4.).



слика 3. Потврда контакт форме



слика 4. Потврда форме за поруџбину

Након потврде обавјештења, сва поља се рестартују на иницијалну вриједност. Додатно, у форми за поруџбину, приликом потврде обавјештења, корпа се празни уз поља за унос!

КОДОВИ И СИНТАКСА

3.1 HTML

index.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <link rel="stylesheet" type="text/css" href="assets/css/style.css" />

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css" />

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet" />

    <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet" />

    <link rel="icon" href="./assets/img/hops.png" />

    <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="author" content="Lazar Lalović, 62/20" />

    <meta name="description" content="Welcome to worldCraft, the biggest Craft Beer community!" />

    <meta name="keywords" content="craft beer, ipa craft, apa craft, best beer, sol beer, stout beer, brew, brewery,
cream ale, blonde ale" />

    <script type="text/javascript" src="assets/js/main.js" defer></script>

    <script type="text/javascript" src="https://kit.fontawesome.com/51a8d0c9c6.js" crossorigin="anonymous"></script>

    <title>worldCraft | Welcome</title>

  </head>
```

```

<body>

<!-- DOM Loading animation -->

    <div class="loader">

    </div>

<!-- End of DOM Loading animation -->

<!-- Responsive navigation menu with custom logo -->

    <header class="navbar-fixed">

        <nav class="orange lighten-1">

            <div class="container">

                <div class="nav-wrapper">

                    <a href="#" data-target="mobile-nav" class="sidenav-trigger">

                        <i class="material-icons white-text">menu</i>

                    </a>

                    <ul id="visible-links" class="left hide-on-med-and-down navLinks">

                        <!-- Content injected through JavaScript -->

                    </ul>

                    <ul class="right">

                        <li class="options">

                            <div id="cart-info" class="quantity-info-status">0</div>

                            <i data-target="cart-tab" class="sidenav-trigger material-icons white-
text">shopping_cart</i>

```

```

        </li>

        <li class="options">

            <div id="favorite-info" class="quantity-info-status">0</div>

            <i data-target="fav-tab" class="sidenav-trigger material-icons white-text">favorite</i>

        </li>

    </ul>

</div>

</div>

</nav>

</header>

<!-- Hidden navigation menu -->

    <ul class="sidenav sideNavCollapsed orange lighten-7" id="mobile-nav">

        <!-- Content injected through JavaScript -->

    </ul>

<!-- End of hidden navigation menu -->

<!-- Cart & Fav tabs -->

    <!-- Favorites -->

        <ul id="fav-tab" class="sidenav2 sidenav orange lighten-7">

            <h4 class="center">Favorites</h4>

            <li><div class="divider"></div></li>

            <ul id="favorites-container" class="pl-1 pt-1">

                <!-- Content injected through JavaScript -->

            </ul>

```



```

        <li class="hide">

            <a class="btn btn-medium orange" id="removeAllFavorites">Remove all</a>

        </li>

    </ul>

    <!-- End of favorites -->


    <!-- Shopping cart -->

    <ul id="cart-tab" class="sidenav2 sidenav orange lighten-7">

        <h4 class="center">Cart<span id="cartTotal" class="flow-text"></span></h4>

        <li><div class="divider"></div></li>

        <ul id="cart-container" class="p1-1 pt-1">

            <!-- Content injected through JavaScript -->

        </ul>

        <li class="hide">

            <div class="row">

                <div class="col s6">

                    <a class="btn btn-medium orange modal-trigger" id="checkout" href="#modal1">

< i class="material-icons white-text small left">shopping_cart</i>Buy</a>

                </div>

                <div class="col s6">

                    <a class="btn btn-medium orange" id="clearCart">

< i class="material-icons white-text small left">close</i>Clear</a>

                </div>

            </div>

        </li>

```

```
</ul>

<!-- End of shopping cart -->

<!-- End of Cart & Fav tabs -->


<!-- End of responsive navigation menu -->


<!-- Main content of page -->

<main>

  <div class="parallax-container">

    <div class="parallax">

    </div>

    <div class="container" id="intro">

      <h1 class="white-text intro-text">Welcome to worldCraft</h1>

      <h2 class="white-text intro-text2">Learn more about us</h2>

      <a href="./about.html" class="btn btn-large orange waves-effect waves-light">Show</a>

    </div>

  </div>

  <div class="section orange lighten-6">

    <section class="mb mt">

      <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">

          <h3>world<span class="orange-text text-darken-2">Craft</span></h3>

        </div>

      </div>

    </div>

  </div>
```

```

<div class="row">

  <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">

    <p class=" community-text">

      It's all about <span class="orange-text text-darken-2">BEER</span> ! HOP in and choose
your favorite!

    </p>

  </div>

</div>

</section>

<div class="row">

  <div class="col 15 offset-l1" data-aos="fade-up-right">

  </div>

  <div class="col 15 pt" data-aos="fade-up-left">

    <blockquote class="flow-text">World's most famous crafts</blockquote>

    <p>

      The sheer number of beer styles that make up the craft beer scene is exciting,

      but it can also be intimidating - and that's okay. With all of the different beer styles and
beer names,

      it is tough to remember what differentiates them from one another.

      That is why we stash all of the types of beer that make up the craft beer world,

      complete with a few beer names and beer styles to help you find your favorite types of beer.

    </p>

  </div>

</div>

```

```
<div id="second-banner" class="row">

  <div class="col 15 pt offset-l1 right-align" data-aos="fade-up-right">

    <blockquote class="flow-text exceptionquote">Lovely place</blockquote>

    <p>

      Our pub is located in st. Zdravka Celara, 5 minutes drive from the center of Belgrade, across
from Pioneer Hall.

      The industrially inspired interior of 200m2, with a 8 meter long bar and an offer of all types
and brands of craft beers,

      also offers an unusual experience - a view of the production plant.

    </p>

  </div>

  <div class="col 15" data-aos="fade-up-left">

  </div>

</div>

<div class="row">

  <div class="col 15 offset-l1" data-aos="fade-up-right">

  </div>

  <div class="col 15 pt" data-aos="fade-up-left">

    <blockquote class="flow-text">Cheerful personnel</blockquote>

    <p>

      A craft brewer is a very knowledgeable beer maker who is deeply involved in the creation of
new beers.
```

Craft brewers have a deep understanding of the entire brewing process, are passionate about beer-making and are very creative.

They enjoy experimenting with different flavours and are interested in making unique beers that customers will enjoy.

```

        </p>

    </div>

</div>

</div>

<div class="parallax-container">

    <div class="parallax"></div>

    <div class="row">

        <div class="col s8 m4 l4 offset-s2 offset-m4 push-l2 center"></div>

        <div class="col s12 m4 l4 offset-m4 push-l2 pt center" data-aos="fade-up-left">

            <p class="flow-text white-text">Can't visit us?</p>

            <br />

            <a href="./shop.html" class="btn btn-large orange waves-effect waves-light">Order Now</a>

        </div>

    </div>

</div>

</main>

<!-- End of main content of page -->

<!-- Footer of the page -->

<footer class="page-footer grey darken-3" id="pageFooter">

```

```
        <!-- Content injected through JavaScript -->

    </footer>

<!-- End of page footer -->

<!-- Back to top btn -->

<div class="fixed-action-btn">

    <button id="toTopBtn" class="btn-large orange btn-floating waves-effect waves-light scale-transition scale-
out">

        <i class="large material-icons">keyboard_arrow_up</i>

    </button>

</div>

<!-- End of back to top btn -->

<!-- Modal for receipt -->

<div id="modal1" class="modal modal-fixed-footer">

    <!-- Content injected through JavaScript -->

</div>

<!-- Modal for receipt -->

<script type="text/javascript" src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

<script type="text/javascript" src="https://code.jquery.com/jquery-3.6.0.min.js" integrity="sha256-
/xUj+30JU5yEx1q6GSYGSHk7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>

<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

</body>

</html>
```

about.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <link rel="stylesheet" type="text/css" href="assets/css/style.css" />

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css" />

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet" />

    <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet" />

    <link rel="icon" href="./assets/img/hops.png" />

    <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="author" content="Lazar Lalović, 62/20" />

    <meta name="description" content="worldCraft about page. Learn about craft beers and brewing process!" />

    <meta name="keywords" content="Brewery equipment, brewing process, brewers, contact us, location, hops, malt,
yeast, ingredients" />

    <script type="text/javascript" src="assets/js/main.js" defer></script>

    <script type="text/javascript" src="https://kit.fontawesome.com/51a8d0c9c6.js" crossorigin="anonymous"></script>

    <title>worldCraft | About</title>

  </head>

  <body>
```



```

<!-- DOM Loading animation -->

    <div class="loader">

    </div>

<!-- End of DOM Loading animation -->


<!-- Responsive navigation menu with custom logo -->

<header class="navbar-fixed">

    <nav class="orange lighten-1">

        <div class="container">

            <div class="nav-wrapper">

                <a href="#" data-target="mobile-nav" class="sidenav-trigger">

                    <i class="material-icons white-text">menu</i>

                </a>

                <ul id="visible-links" class="left hide-on-med-and-down navLinks">

                    <!-- Content injected through JavaScript -->

                </ul>

                <ul class="right">

                    <li class="options">

                        <div id="cart-info" class="quantity-info-status">0</div>

                        <i data-target="cart-tab" class="sidenav-trigger material-icons white-
text">shopping_cart</i>

                    </li>

                    <li class="options">

```

```

        <div id="favorite-info" class="quantity-info-status">0</div>

        <i data-target="fav-tab" class="sidenav-trigger material-icons white-text">favorite</i>

    </li>

</ul>

</div>

</div>

</nav>

</header>

<!-- Hidden navigation menu -->

    <ul class="sidenav sideNavCollapsed orange lighten-7" id="mobile-nav">

        <!-- Content injected through JavaScript -->

    </ul>

<!-- End of hidden navigation menu -->

<!-- Cart & Fav tabs -->

    <!-- Favorites -->

    <ul id="fav-tab" class="sidenav2 sidenav orange lighten-7">

        <h4 class="center">Favorites</h4>

        <li><div class="divider"></div></li>

        <ul id="favorites-container" class="pl-1 pt-1">

            <!-- Content injected through JavaScript -->

        </ul>

        <li class="hide">

            <a class="btn btn-medium orange" id="removeAllFavorites">Remove all</a>

```

```

        </li>

    </ul>

    <!-- End of favorites -->

    <!-- Shopping cart -->

    <ul id="cart-tab" class="sidenav2 sidenav orange lighten-7">

        <h4 class="center">Cart<span id="cartTotal" class="flow-text"></span></h4>

        <li><div class="divider"></div></li>

        <ul id="cart-container" class="pl-1 pt-1">

            <!-- Content injected through JavaScript -->

        </ul>

        <li class="hide">

            <div class="row">

                <div class="col s6">

                    <a class="btn btn-medium orange modal-trigger" id="checkout" href="#modal1">

<i class="material-icons white-text small left">shopping_cart</i>Buy</a>

                </div>

                <div class="col s6">

                    <a class="btn btn-medium orange" id="clearCart">

<i class="material-icons white-text small left">close</i>Clear</a>

                </div>

            </div>

        </li>

    </ul>

    <!-- End of shopping cart -->

```

```
<!-- End of Cart & Fav tabs -->

<!-- End of responsive navigation menu -->

<!-- Main content of page -->

<main>

  <div class="parallax-container container2">

    <div class="parallax">

    </div>

    <div class="container center">

      <h1 class="white-text intro-text">worldCraft - about</h1>

    </div>

  </div>

  <div class="section orange lighten-6">

    <section class="mb mt">

      <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">

          <h3>world<span class="orange-text text-darken-2">Craft</span></h3>

        </div>

      </div>

      <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">

          <p class="community-text">
```

```
        It's all about <span class="orange-text text-darken-2">CRAFTING</span> ! Learn the basics
about this art!

        </p>

    </div>

</div>

</section>

<div class="row" id="definition">

    <div class="col 15 offset-11" data-aos="fade-up-right">

    </div>

    <div class="col 15 pt" data-aos="fade-up-left">

        <blockquote class="flow-text">What is craft beer?</blockquote>

        <p>

            To begin with, every beer is either an ale or a lager.

            Craft beer enthusiasts or any beer drinker usually differentiate a beer by the look, aroma,
and taste of the beer.

            For them, ales tend to be on the fruity-er edge while lagers are usually crisp and clean on
their palate.

            Only a brewer knows that the difference is way more than just the looks of it.

            The difference is yeast – Ales are made with yeast that ferments at the top and lagers are
made with yeast that ferments at the bottom.

            However, ales are complex in their flavour profile when compared with a lager.

        </p>
```

```
</div>

</div>

<div id="second-banner" class="row">

  <div class="col 15 pt offset-11 right-align" data-aos="fade-up-right">

    <blockquote class="flow-text exceptionquote">Craft styles</blockquote>

    <p>

      The types of beer can be broken down into hundreds of different styles, all with unique
flavors, colors, and aromas.

      Two characteristics that are used to describe styles of beer are alcohol by volume (ABV) and
international bitterness unit (IBU).

      If you're interested in opening a bar or starting your own brewery, it's important to
understand the different types of beer and their unique

      ABV stands for alcohol by volume and represents the percentage of alcohol in the beer.

      The amount of alcohol in the brew can actually affect the taste of the beer. Beers with a
higher ABV have a more bitter flavor.

      IBU stands for international bitterness unit and is a measurement of the number of bitter
flavor compounds in a beer.

      The IBU scale starts at zero and has no upper limit, but most beers falling between 5 IBUs and
120 IBUs.

    </p>

  </div>

  <div class="center col s12 m12 l4" data-aos="fade-up-left">
```

```


</div>

</div>

<div class="row" id="brewing">

  <div class="col l5 offset-l1" data-aos="fade-up-right">

  </div>

  <div class="col l5 pt" data-aos="fade-up-left">

    <blockquote class="flow-text">Ingredients and brewing process</blockquote>

    <p>

      Beer is made from four basic ingredients: Barley (or other grains), water, hops and yeast.

      The basic idea is to extract the sugars from grains so the yeast can convert it to alcohol and
      CO2, creating beer.

      Brewing is a combination of science and art. A brewmaster uses the basic scientific process
      and expresses creativity by varying the combinations of grains,

      hops and yeast that results in a multitude of styles.

      Steps in the brewing process include malting, milling, mashing, lautering, boiling,
      fermenting, conditioning, filtering, and packaging.

      There are three main fermentation methods, warm, cool and spontaneous.

      Fermentation may take place in an open or closed fermenting vessel; a secondary fermentation
      may also occur in the cask or bottle.

    </p>

  </div>

</div>

<section class="mb mt" id="contact">
```



```

    <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align flow-text">

            <h4>Contact <span class="orange-text text-darken-2">us</span></h4>

        </div>

    </div>

</section>

</div>

<div class="parallax-container container3">

    <div class="parallax"></div>

    <div id="second-banner" class="row">

        <div class="col s12 offset-m2 m8 l6 offset-l3 right-align" data-aos="fade-up-right">

            <div class="form-wrapper center">

                <h5 class="white-text">SEND US A MESSAGE</h5>

                <form id="contactForm">

                    <div class="row">

                        <div class="col s6">

                            <div class="input-field">

                                <input class="white-text" type="email" name="E-mail" id="email" />

                                <label for="email">E-mail</label>

                                <span class="helper-text left"></span>

                            </div>

                        </div>

                        <div class="col s6">

                            <div class="input-field">

                                <input class="white-text" type="text" name="Full name" id="fullname" />

```

```

        <label for="fullname">Full Name</label>

        <span class="helper-text left"></span>

    </div>

</div>

</div>

<div class="row">

    <div class="col s12">

        <div class="input-field">

            <textarea class="textarea fieldInput" name="Message" id="textarea2"
></textarea>

            <label for="textarea2">Message</label>

            <span class="left"></span>

        </div>

    </div>

</div>

<div class="row">

    <div class="col s12">

        <div class="row"><p class="white-text small-text">Are you older than 18?</p></div>

        <div class="row">

            <div class="col s6 right-align">

                <p>

                    <label>

                        <input name="age" value="1" type="radio" />

                        <span>Yes</span>

                    </label>

```

```
        </p>

        </div>

        <div class="col s6 left-align">

            <p>

                <label>

                    <input name="age" value="0" id="noteight" type="radio" checked />

                    <span>No</span>

                </label>

            </p>

        </div>

    </div>

</div>

<div class="row">

    <div class="col s12">

        <button type="submit" id="contactSubmit" class="btn btn-large red waves-effect
waves-light">SEND</button>

    </div>

</div>

</form>

</div>

</div>

</div>

<div>

    <section class="section section2" id="location">
```

```

        <div class="col l12 section2">

            <iframe

src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2830.3335135524567!2d20.482502215535806!3d44.8147697790986!2m3!
1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x475a7a9609031735%3A0xc17ed71f59ac4725!2z0JLQuNGB0L7QutCwINCY0KbQoiDRiNC60L
7Qu9Cw!5e0!3m2!1ssr!2srs!4v1644413524190!5m2!1ssr!2srs" allowfullscreen="false" loading="lazy"></iframe>

            </div>

        </section>

    </main>

    <!-- End of main content of page -->

    <!-- Footer of the page -->

    <footer class="page-footer grey darken-3" id="pageFooter">

        <!-- Content injected through JavaScript -->

    </footer>

    <!-- End of page footer -->

    <!-- Back to top btn -->

    <div class="fixed-action-btn">

        <button id="toTopBtn" class="btn-large orange btn-floating waves-effect waves-light scale-transition scale-
out">

            <i class="large material-icons">keyboard_arrow_up</i>

        </button>

    </div>

    <!-- End of back to top btn -->

```

```
<!-- Modal for receipt -->

<div id="modal1" class="modal modal-fixed-footer">

  <!-- Content injected through JavaScript-->

</div>

<!-- Modal for receipt -->


<script type="text/javascript" src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

<script type="text/javascript" src="https://code.jquery.com/jquery-3.6.0.min.js" integrity="sha256-
/xUj+30JU5yExlq6GSYGSHk7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>

<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

</body>

</html>
```

shop.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <link rel="stylesheet" type="text/css" href="assets/css/style.css" />

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css" />

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet" />

    <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet" />

    <link rel="icon" href="./assets/img/hops.png" />

    <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="author" content="Lazar Lalović, 62/20" />

    <meta name="description" content="worldCraft - Store" />

    <meta name="keywords" content="Online store, shop, shopping, breweries, delivery, order, categories, types" />

    <script type="text/javascript" type="text/javascript" src="assets/js/main.js" defer></script>

    <script type="text/javascript" src="https://kit.fontawesome.com/51a8d0c9c6.js" crossorigin="anonymous"></script>

    <title>worldCraft | Store</title>

  </head>

  <body>
```

```

<!-- DOM Loading animation -->

<div class="loader">

</div>

<!-- End of DOM Loading animation -->

<!-- Responsive navigation menu with custom logo -->

<header class="navbar-fixed">

    <nav class="orange lighten-1">

        <div class="container">

            <div class="nav-wrapper">

                <a href="#" data-target="mobile-nav" class="sidenav-trigger">

                    <i class="material-icons white-text">menu</i>

                </a>

                <ul id="visible-links" class="left hide-on-med-and-down navLinks">

                    <!-- Content injected through JavaScript -->

                </ul>

                <ul class="right">

                    <li class="options">

                        <div id="cart-info" class="quantity-info-status">0</div>

                        <i data-target="cart-tab" class="sidenav-trigger material-icons white-
text">shopping_cart</i>

                    </li>

```

```

        <li class="options">

            <div id="favorite-info" class="quantity-info-status">0</div>

            <i data-target="fav-tab" class="sidenav-trigger material-icons white-text">favorite</i>

        </li>

    </ul>

</div>

</div>

</nav>

</header>

<!-- Hidden navigation menu -->

    <ul class="sidenav sideNavCollapsed orange lighten-7" id="mobile-nav">

        <!-- Content injected through JavaScript -->

    </ul>

<!-- End of hidden navigation menu -->

<!-- Cart & Fav tabs -->

    <!-- Favorites -->

        <ul id="fav-tab" class="sidenav2 sidenav orange lighten-7">

            <h4 class="center">Favorites</h4>

            <li><div class="divider"></div></li>

            <ul id="favorites-container" class="pl-1 pt-1">

                <!-- Content injected through JavaScript -->

            </ul>

            <li class="hide">

```



```

        <a class="btn btn-medium orange" id="removeAllFavorites">Remove all</a>

    </li>

</ul>

<!-- End of favorites -->


<!-- Shopping cart -->

<ul id="cart-tab" class="sidenav2 sidenav orange lighten-7">

    <h4 class="center">Cart<span id="cartTotal" class="flow-text"></span></h4>

    <li><div class="divider"></div></li>

    <ul id="cart-container" class="pl-1 pt-1">

        <!-- Content injected through JavaScript -->

    </ul>

    <li class="hide">

        <div class="row center">

            <div class="col s6">

                <a class="btn btn-medium orange modal-trigger" id="checkout" href="#modal1"><i
class="material-icons white-text small left">shopping_cart</i>Buy</a>

            </div>

            <div class="col s6">

                <a class="btn btn-medium orange" id="clearCart"><i class="material-icons white-text small
left">close</i>Clear</a>

            </div>

        </div>

    </li>

</ul>

```

```
<!-- End of shopping cart -->

<!-- End of Cart & Fav tabs -->

<!-- End of responsive navigation menu -->

<!-- Main content of page -->

<main>

  <div class="parallax-container container2">

    <div class="parallax">

    </div>

    <div class="container center">

      <h1 class="white-text intro-text">worldCraft - online store</h1>

    </div>

  </div>

  <div class="section orange lighten-7">

    <section class="mb mt">

      <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">

          <h3>world<span class="orange-text text-darken-2">Craft</span></h3>

        </div>

      </div>

      <div class="row">

        <div class="col s10 m8 l8 offset-s1 offset-m2 offset-l2 center-align">
```

```

        <p class=" community-text">

            It's all about <span class="orange-text text-darken-2">TASTE</span> ! Choose and order now
!

        </p>

    </div>

</div>

</section>

<div class="row">

    <div id="options-container" class="col s12 m3 l2 pl">

        <div class="row">

            <div class="col s12 l12 pt-3">

                <div class="row">

                    <div class="input-field">

                        <input type="text" id="searchBeer" placeholder="e.g. Erdinger Hell" />

                        <label for="searchBeer">Search</label>

                    </div>

                </div>

            </div>

            <div class="row">

                <button id="clearFilters" class="btn orange waves-effect" disabled>CLEAR
FILTERS</button>

            </div>

            <div class="row">

                <h4>Filters</h4>

            </div>

            <ul id="filters">

```

```
<li>

    <h5>Type</h5>

    <div class="divider"></div>

    <ul class="pt-1" id="typeFilter">

        <!-- Content injected through JavaScript -->

    </ul>

</li>

<li>

    <h5>Brand</h5>

    <div class="divider"></div>

    <ul class="pt-1" id="brandFilter">

        <!-- Content injected through JavaScript -->

    </ul>

</li>

<li>

    <h5>Alc.%</h5>

    <div class="divider"></div>

    <ul class="pt-1" id="alcFilter">

        <!-- Content injected through JavaScript -->

    </ul>

</li>

</ul>

<div class="row">
```

```
        <h3>Sorting</h3>

    </div>

    <div class="input-field">

        <select id="sortSelect">

            <option value="nameasc" selected> Name ASC</option>

            <option value="namedesc"> Name DESC</option>

            <option value="priceasc"> Price ASC</option>

            <option value="pricedesc"> Price DESC</option>

        </select>

    </div>

</div>

</div>

</div>

<div id="beerContainer" class="col s12 m9 l10">

    <!-- Content injected through JavaScript -->

</div>

</div>

</div>

</main>

<!-- End of main content of page -->

<!-- Footer of the page -->

<footer class="page-footer grey darken-3" id="pageFooter">
```

```
        <!-- Content injected through JavaScript -->

    </footer>

<!-- End of page footer -->

<!-- Back to top btn -->

<div class="fixed-action-btn">

    <button id="toTopBtn" class="btn-large orange btn-floating waves-effect waves-light scale-transition scale-
out">

        <i class="large material-icons">keyboard_arrow_up</i>

    </button>

</div>

<!-- End of back to top btn -->

<!-- Modal for receipt -->

<div id="modal1" class="modal modal-fixed-footer">

    <!-- Content injected through JavaScript -->

</div>

<!-- End of modal for receipt -->

<script type="text/javascript" src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

<script type="text/javascript" src="https://code.jquery.com/jquery-3.6.0.min.js" integrity="sha256-
/xUj+30JU5yEx1q6GSYGSHk7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>

<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

</body>

</html>
```

author.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <link rel="stylesheet" type="text/css" href="assets/css/style.css" />

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css" />

    <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet" />

    <link rel="stylesheet" type="text/css" href="assets/css/responsive.css" />

    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet" />

    <link rel="icon" href="./assets/img/hops.png" />

    <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="author" content="Lazar Lalović, 62/20" />

    <meta name="description" content="worldCraft- Author's page!" />

    <meta name="keywords" content="Web developer, author, designer, frontend, backend, programming, full-stack" />

    <script type="text/javascript" src="assets/js/main.js" defer></script>

    <script type="text/javascript" src="https://kit.fontawesome.com/51a8d0c9c6.js" crossorigin="anonymous"></script>

    <title>worldCraft | Author</title>

  </head>

  <body>
```

```

<!-- DOM Loading animation -->

    <div class="loader">

    </div>

<!-- End of DOM Loading animation -->


<!-- Responsive navigation menu with custom logo -->

<header class="navbar-fixed">

    <nav class="orange lighten-1">

        <div class="container">

            <div class="nav-wrapper">

                <a href="#" data-target="mobile-nav" class="sidenav-trigger">

                    <i class="material-icons white-text">menu</i>

                </a>

                <ul id="visible-links" class="left hide-on-med-and-down navLinks">

                    <!-- Content injected through JavaScript -->

                </ul>

                <ul class="right">

                    <li class="options">

                        <div id="cart-info" class="quantity-info-status">0</div>

                        <i data-target="cart-tab" class="sidenav-trigger material-icons white-
text">shopping_cart</i>

                    </li>

                    <li class="options">

```



```

        <div id="favorite-info" class="quantity-info-status">0</div>

        <i data-target="fav-tab" class="sidenav-trigger material-icons white-text">favorite</i>

    </li>

</ul>

</div>

</div>

</nav>

</header>

<!-- Hidden navigation menu -->

    <ul class="sidenav sideNavCollapsed orange lighten-7" id="mobile-nav">

        <!-- Content injected through JavaScript -->

    </ul>

<!-- End of hidden navigation menu -->

<!-- Cart & Fav tabs -->

    <!-- Favorites -->

    <ul id="fav-tab" class="sidenav2 sidenav orange lighten-7">

        <h4 class="center">Favorites</h4>

        <li><div class="divider"></div></li>

        <ul id="favorites-container" class="pl-1 pt-1">

            <!-- Content injected through JavaScript -->

        </ul>

        <li class="hide">

            <a class="btn btn-medium orange" id="removeAllFavorites">Remove all</a>

```

```

        </li>

    </ul>

    <!-- End of favorites -->

    <!-- Shopping cart -->

    <ul id="cart-tab" class="sidenav2 sidenav orange lighten-7">

        <h4 class="center">Cart<span id="cartTotal" class="flow-text"></span></h4>

        <li><div class="divider"></div></li>

        <ul id="cart-container" class="pl-1 pt-1">

            <!-- Content injected through JavaScript -->

        </ul>

        <li class="hide">

            <div class="row">

                <div class="col s6">

                    <a class="btn btn-medium orange modal-trigger" id="checkout" href="#modal1"><i
class="material-icons white-text small left">shopping_cart</i>Buy</a>

                </div>

                <div class="col s6">

                    <a class="btn btn-medium orange" id="clearCart"><i class="material-icons white-text small
left">close</i>Clear</a>

                </div>

            </div>

        </li>

    </ul>

    <!-- End of shopping cart -->

```

```
<!-- End of Cart & Fav tabs -->

<!-- End of responsive navigation menu -->

<!-- Main content of page -->

<main>

  <div class="parallax-container container2">

    <div class="parallax">

    </div>

    <div class="container center">

      <h1 class="white-text intro-text">worldCraft - author</h1>

    </div>

  </div>

  <section class="section orange lighten-7 p-0">

    <div class="cross-section"></div>

    <div class="container">

      <div class="row">

        <div class="col s12 m6 l4 offset-l2">

        </div>

        <div class="flow-text col s12 m6 l6">

          <blockquote class="quote-border">Hello,</blockquote>

        </div>

      </div>

    </div>

  </section>

</main>
```

```
my name is Lazar Lalović. I am 22 years old. I was born in Zvornik and raised in a small town
called Milići,

Serbian Republic. Now, I am a second-year student at: "College of Vocational Studies for
Information and Communication Technologies",

where I am majoring in Web programming.

<br />

<br />

<a target="_blank" href="https://laxon17.github.io/portfolio" class="btn btn-large orange
waves-effect waves-light">More about me</a>

</div>

</div>

</div>

<div class="cross-section opposite"></div>

</section>

</main>

<!-- End of main content of page -->

<!-- Footer of the page -->

<footer class="page-footer grey darken-3" id="pageFooter">

  <!-- Content injected through JavaScript -->

</footer>

<!-- End of page footer -->
```

```
<!-- Back to top btn -->

<div class="fixed-action-btn">

    <button id="toTopBtn" class="btn-large orange btn-floating waves-effect waves-light scale-transition scale-out">

        <i class="large material-icons">keyboard_arrow_up</i>

    </button>

</div>

<!-- End of back to top btn -->

<!-- Modal for receipt -->

<div id="modal1" class="modal modal-fixed-footer">

    <!-- Content injected through JavaScript -->

</div>

<!-- Modal for receipt -->

<script type="text/javascript" src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

<script type="text/javascript" src="https://code.jquery.com/jquery-3.6.0.min.js" integrity="sha256-
/xUj+30JU5yEx1q6GSYGSHk7tPXikynS7ogEvDej/m4=" crossorigin="anonymous"></script>

<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

</body>

</html>
```

3.2 CSS / SCSS

style.scss

```
@import "../variables";

@import
url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,200;0,400;1,200&display=swap');

* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;

  &:not(i) {
    font-family: 'Poppins', sans-serif !important;
  }
}

:root {
  --cardHeight: 350px;
}

::selection {
  color: #fff;
  background-color: orange;
}
```

```
// CUSTOM CLASSES FOR EASIER INTERACTION WITH MATERIALIZE FRAMEWORK
```

```
html {  
  
  scroll-behavior: smooth;  
  
  overflow-x: hidden;  
  
  i, a {  
  
    cursor: pointer;  
  
  }  
  
  .mb {  
  
    margin-bottom: 60px;  
  
  }  
  
  .mb-3 {  
  
    margin-bottom: 3rem !important;  
  
  }  
  
  .mt {  
  
    margin-top: 30px;  
  
  }  
  
  .p-0 {  
  
    padding: 0 !important;  
  
  }  
  
  .pl {  
  
    padding-left: 1.5rem !important;  
  
  }  
  
  .pt {  
  
    padding-top: 5rem !important;  
  
  }  
}
```

```
}

.pt-1 {
    padding-top: 1rem !important;
}

.pt-2 {
    padding-top: 2rem !important;
}

.pt-3 {
    padding-top: 3rem !important;
}

.pl-1 {
    padding-left: 1rem !important;
}

.pr-1 {
    padding-right: 1rem !important;
}

.pr-2 {
    padding-right: 2rem !important;
}

.pr-3 {
    padding-right: 3rem !important;
}

.small-text {
    font-size: .8rem !important;
}
```



```
.bd-r { // border right
    border-right: 1px solid #000;
}

.n-u { // no underline
    border: 0 !important;
    outline: 0;
}

.orange {
    &.lighten-6 {
        background-color: rgb(255, 246, 230) !important;
    }
    &.lighten-7 {
        background-color: rgb(255, 253, 249) !important;
    }
}

body {
    overflow-x: hidden;

    nav {
        img {
            width: 25%;
            transform: translate(-50%, -10%) !important;
        }
        li {
            a {
                text-transform: uppercase;
            }
        }
    }
}
```

```
    }

    i {
        margin-right: 10px;

        cursor: pointer;
    }
}

}

li {

    &.options {

        position: relative;

        .quantity-info-status {

            font-size: .75rem;

            position: absolute;

            background: rgba($color: #000000, $alpha: .3);

            border-radius: 50%;

            width: 20px;

            height: 20px;

            display: grid;

            place-items: center;

            place-content: center;

            top: 30px;

        }

    }

}

}

.fail {
```

```
border-bottom-color: red !important;

&+label {

    color: red !important;

}

}

.pass {

border-bottom-color: teal !important;

&+label {

    color: teal !important;

}

}

.loader {

width: 100%;

height: 100vh;

background-color: #fff;

@include flexProperty(row, center, center);

position: fixed;

z-index: 10000;

top: 0;

left: 0;

img {

width: 25%;

}

}

p, .size-1 {
```

```
    font-size: 1.25em;

}

.cross-section {

    width: 100%;

    height: 25vh;

    clip-path: polygon(0 0, 100% 0, 100% 15% , 0 100%);

    background-color: rgb(255, 251, 236);

}

.opposite {

    clip-path: polygon(100% 0%, 100% 100%, 0% 100%, 100% 15%);

}

blockquote {

    text-transform: uppercase;

    border-left-color: orange;

    &.exceptionquote {

        border-left-color: transparent !important;

        border-right: 5px solid orange;

        padding-right: 1rem;

    }

}

main {

    .section2 {

        padding: 0;

        margin: 0;

        height: 50vh;
```

```
}

iframe {

    width: 100%;

    height: 100%;

    border: 0;

    outline: 0;

}

.card-content {

    padding-left: 15px !important;

}

.parallax-container {

    height: 100vh;

    padding-top: 300px;

}

.container2 {

    height: 80vh !important;

}

.container3 {

    height: 730px !important;

    padding-top: 70px;

    .form-wrapper {

        padding: 1rem;

        position: relative;

        top: 0;

        bottom: 0;
```

```
        left: 0;

        right: 0;

        background: rgba($color: #000000, $alpha: .7);
    }
}

#beer-price {

    font-size: 1.5rem !important;

    color: rgb(10, 189, 144);
}

input[type="radio"]:checked + span::after {

    border: 2px solid rgb(255, 178, 35);

    background-color: rgb(255, 178, 35) !important;
}

.input-field {

    input[type="text"]:focus, input[type="email"]:focus {

        border-bottom-color: rgb(255, 178, 35) !important;

        box-shadow: 0 1px 0 0 rgb(255, 178, 35) !important;

        &+label {

            color: rgb(255, 178, 35) !important;

        }

    }

    label {

        font-size: 1.25rem !important;

    }
}
```

```
.dropdown-content {  
  & li {  
    &>a,  
    &>span {  
      color: rgb(255, 178, 35) !important;  
    }  
  }  
}  
  
input[type="checkbox"]:checked + span:not(.lever):before {  
  border-right: 2px solid rgb(221, 144, 0);  
  border-bottom: 2px solid orange;  
}  
  
.product-image {  
  height: var(--cardHeight);  
}  
  
#addToCart {  
  margin: 0 !important;  
}  
  
.textarea {  
  width: 100%;  
  height: 180px;  
  border: 0;  
  outline: 0;  
  color: #fff;
```

```
border-bottom: 1px solid rgb(180, 180, 180);

padding: 1rem;

resize: none;

transition: all 300ms ease;

&:focus {

    border: 0;

    outline: 0;

    border-bottom: 1px solid rgb(255, 178, 35) !important;

    &+label {

        color: rgb(255, 178, 35);

    }

}

}

label {

    font-size: 16px !important;

}

}

}
```


responsive.scss

```
@media screen and (max-width: 1440px) {  
  
  :root {  
  
    --cardHeight: 280px;  
  
  }  
  
  html {  
  
    .pt {  
  
      padding-top: 0 !important;  
  
    }  
  
  }  
  
}
```

```
@media screen and (max-width: 1220px) {  
  
  :root {  
  
    --cardHeight: 230px;  
  
  }  
  
}
```

```
@media screen and (max-width: 1060px) {  
  
  :root {  
  
    --cardHeight: 150px;  
  
  }  
  
}
```



```
:root {  
    --cardHeight: 200px;  
}  
}  
  
@media screen and (max-width: 600px) {  
    :root {  
        --cardHeight: 350px;  
    }  
    .parallax-container {  
        padding-top: 150px !important;  
        .intro-text {  
            font-size: 2.5rem !important;  
        }  
        .intro-text2 {  
            font-size: 2rem !important;  
        }  
    }  
    .container3 {  
        padding-top: 60px !important;  
    }  
}  
  
@media screen and (max-width: 405px) {  
    .parallax-container {
```

```
padding-top: 100px !important;

.intro-text {
    font-size: 2rem !important;
}

.intro-text2 {
    font-size: 1.5rem !important;
}
}
```

3.3 JavaScript & jQuery

main.js

```
// LOAD ALL JSONS IN LOCAL STORAGE

const beers = fetchLocalStorage('beers')

const breweries = fetchLocalStorage('breweries')

const types = fetchLocalStorage('types')

const percentages = fetchLocalStorage('alc-percentage')

async function fetchData(fileName) {

  try {

    res = await fetch(`./assets/data/${fileName}.json`)

    return res.json()

  } catch (error) {

    console.error(error)

  }

}

function fetchLocalStorage(file) {

  fetchData(file).then(instance => {

    localStorage.setItem(file, JSON.stringify(instance))

  })

  return JSON.parse(localStorage.getItem(file))

}
```

```
// END OF LOAD ALL JSONS IN LOCAL STORAGE

// LOADING OF ESSENTIALS

createModal()

if(window.location.pathname === '/shop.html') shopPage()

if(window.location.pathname === '/about.html') contactValidation()

// END OF LOADING ESSENTIALS

// SHOP PAGE

function shopPage() {

  loadBeers(beers)

  loadFilters(breweries, 'brandFilter', 'beerBrand')

  loadFilters(types, 'typeFilter', 'beerType')

  loadFilters(percentages, 'alcFilter', 'beerAlcohol')

  function filterByBrewery(beerArray) {

    let chosenBreweryIds = []

    let chosenBreweries = document.querySelectorAll('input[name="beerBrand"]:checked')

    chosenBreweries.forEach(brewery => {

      chosenBreweryIds.push(Number(brewery.value))

    })

    if(chosenBreweryIds.length) {

      return beerArray.filter(beer =>
```

```
        chosenBreweryIds.includes(beer.brewery)

    )

}

return beerArray
}

function filterByType(beerArray) {

    let chosenTypeIds = []

    let chosenTypes = document.querySelectorAll('input[name="beerType"]:checked')

    chosenTypes.forEach(type => {

        chosenTypeIds.push(Number(type.value))

    })

    if(chosenTypeIds.length) {

        return beerArray.filter(beer =>

            beer.types.some(type =>

                chosenTypeIds.includes(type)

            )

        )

    }

    return beerArray

}
```

```
function filterByPercentage(beerArray) {

    let chosenPercentageIds = []

    let chosenPercentages = document.querySelectorAll('input[name="beerAlcohol"]:checked')

    chosenPercentages.forEach(percentage => {

        chosenPercentageIds.push(Number(percentage.value))

    })

    if(chosenPercentageIds.length) {

        return beerArray.filter(beer =>

            chosenPercentageIds.includes(beer.alcoholPercentage.percentageRange)

        )

    }

    return beerArray

}

document.getElementById('sortSelect').addEventListener('change', beersFiltered)

function sortBeers(beerArray) {

    let sortType = document.getElementById('sortSelect').value

    switch(sortType) {

        case 'namedesc':

            return beerArray.sort((previous, next) =>
```



```
        previous.beerName < next.beerName ? 1 : -1

    )

    case 'priceasc':

        return beerArray.sort((previous, next) =>

            previous.price > next.price ? 1 : -1

        )

    case 'pricedesc':

        return beerArray.sort((previous, next) =>

            previous.price < next.price ? 1 : -1

        )

    default:

        return beerArray.sort((previous, next) =>

            previous.beerName > next.beerName ? 1 : -1

        )

    }

}

document.getElementById('searchBeer').addEventListener('keyup', beersFiltered)

function searchBeer(beerArray){

    let searchBeerValue = document.getElementById('searchBeer').value.toLowerCase()

    if(searchBeerValue) {

        return beerArray.filter(beer => {

            return beer.beerName.toLowerCase().indexOf(searchBeerValue) !== -1

        })

    }

}
```

```
    })

    }

    return beerArray
}

function loadFilters(filtersArray, filterContainer, filterName) {

    const filterList = document.getElementById(filterContainer)

    let filterItems = ''

    for(let filter of filtersArray) {

        filterItems += `

            <li>

                <label>

                    <input type="checkbox" name="${filterName}" value="${filter.id}" />

                    <span>${filter.title}</span>

                </label>

            </li>

        `

    }

    filterList.innerHTML = filterItems

    document.querySelectorAll(`input[name="${filterName}"]`).forEach(box => {

        box.addEventListener('change', beersFiltered)

    })
}
```

```
}

function beersFiltered() {

  loadBeers(beers)

}

function loadBeers(beerArray) {

  beerArray = filterByBrewery(beerArray)

  beerArray = filterByType(beerArray)

  beerArray = filterByPercentage(beerArray)

  beerArray = searchBeer(beerArray)

  beerArray = sortBeers(beerArray)

  const beerContainer = document.getElementById('beerContainer')

  let beerCard = ''

  for(let beer of beerArray) {

    beerCard += `

      <div class="col s12 m6 l3">

        <div class="card">

          <div class="card-image">

            <a class="halfway-fab btn-floating orange add-to-favorites"><i class="material-

icons">favorite</i></a>
```

```
        </div>

        <div class="card-content">

            <span class="card-title activator grey-text text-darken-4">${beer.beerName}<i
class="material-icons right">more_vert</i></span>

            <p class="small-text pt-1">${showBrand(beer.brewery)}</p>

            <p class="small-text pt-1">${showTypes(beer.types)}</p>

            <p class="small-text pt-1">Alc. % ${beer.alcoholPercentage.percentage}</p>

            <p id="beer-price" class="pt-2 center">&euro; ${beer.price}</p>

        </div>

        <div class="center card-action">

            <a class="add-to-cart">Add To Cart</a>

        </div>

        <div class="card-reveal">

            <span class="card-title grey-text text-darken-4 mb">${beer.beerName}<i class="material-
icons right">close</i></span>

            <p>

                ${beer.beerDescription}

            </p>

        </div>

    </div>

</div>

}
```

```
beerContainer.innerHTML = (beerCard) ? beerCard : `

### 


```

```
    }

    return typesOutput
  }

function showBrand(brandId) {

  for(let brewery of breweries) {

    if(brandId === brewery.id) return brewery.title

  }

}

function clearAllFilters() {

  document.querySelectorAll('input[type="checkbox"]').forEach(checkbox => {

    checkbox.checked = false

  })

  document.querySelector('input').value = ''

  document.getElementById('clearFilters').disabled = true

  document.getElementById('sortSelect').selectedIndex = 0

  loadBeers(beers)

}

document.getElementById('clearFilters').addEventListener('click', () => {

  if(!this.disabled) clearAllFilters()

})
```

```
document.querySelectorAll('input:not(.quantity)').forEach(element => {

    const clearBtn = document.getElementById('clearFilters')

    element.addEventListener('change', () => {

        if(clearBtn.disabled) clearBtn.disabled = false

    })

})

}

// END OF SHOP PAGE


// FAVORITES


function addToFavorites(clickedBeer) {

    let targetBeer = clickedBeer.target.parentElement.parentElement.parentElement

    let beerInfo = []

    let beerNameHolder = targetBeer.children[1].children[0].innerHTML

    let theName = beerNameHolder.substring(0, beerNameHolder.indexOf('<'))

    let imgSource = targetBeer.firstElementChild.firstElementChild.getAttribute('src')

    if(!checkRepeat(theName)) {

        M.toast({html: 'Beer is already in favorites!'})

    } else {

        M.toast({html: 'Beer added to favorites!'})

        beerInfo.push(imgSource, theName)

        Favorites.addFavorite(beerInfo)

        Favorites.displayFavorites()

    }

}
```

```
}

function displayFavorites(favoritesArray) {

  const favoritesContainer = document.getElementById('favorites-container')

  let favoriteBeer = ''

  for(let beer of favoritesArray) {

    favoriteBeer += `

      <li>

        <div class="row center">

          <div class="col s8 offset-s2 offset-m2 offset-l2">

          </div>

          <div class="col s8 pt-1">

            <h6>${beer[1]}</h6>

          </div>

          <div class="col s4 pt-1">

            <a class="remove-favorite"><i class="orange-text material-icons">close</i></a>

          </div>

        </div>

      </li>

      <li><div class="divider"></div></li>

    `

  }

}
```



```
if(favoriteBeer) {

    favoritesContainer.innerHTML = favoriteBeer

    document.getElementById('removeAllFavorites').parentElement.className = 'show'

} else {

    favoritesContainer.innerHTML = 'No favorites added yet!'

    document.getElementById('removeAllFavorites').parentElement.className = 'hide'

}

document.querySelectorAll('.remove-favorite').forEach(removeBtn => {

    removeBtn.addEventListener('click', removeFromFavorites)

})

}

document.getElementById('removeAllFavorites').addEventListener('click', removeAllFavorites)

function removeAllFavorites() {

    localStorage.removeItem('favorites')

    Favorites.displayFavorites()

}

function removeFromFavorites(clickedBeer) {

    let targetBeer = clickedBeer.target.parentElement.parentElement.parentElement

    let targetName = targetBeer.children[1].children[0].innerText

    M.toast({html: 'Beer removed from favorites!'})

    Favorites.removeFavorite(targetName)
```

```
}

function checkRepeat(name) {

    let favorites = Favorites.getFavorite()

    for(let i = 0; i < favorites.length; i++) {

        if(favorites[i][1] === name) return 0

    }

    return 1

}

class Favorites {

    static getFavorite() {

        let favorites = localStorage.getItem('favorites')

        if(favorites === null) {

            favorites = []

        }

        else {

            favorites = JSON.parse(localStorage.getItem('favorites'))

        }

        updateFavoritesInfo(favorites)

        return favorites

    }

}
```

```
static removeFavorite(notFavorite) {  
  
    let favorites = Favorites.getFavorite()  
  
    for(let index in favorites) {  
  
        if(favorites[index][1] === notFavorite) {  
  
            favorites.splice(index, 1)  
  
        }  
  
    }  
  
    localStorage.setItem('favorites', JSON.stringify(favorites))  
  
    Favorites.displayFavorites()  
  
}  
  
static displayFavorites() {  
  
    let favorites = Favorites.getFavorite()  
  
    displayFavorites(favorites)  
  
}  
  
static addFavorite(beerInfo) {  
  
    let favorites = Favorites.getFavorite()  
  
    favorites.push(beerInfo)  
  
    localStorage.setItem('favorites', JSON.stringify(favorites))  
  
}  
  
}
```

```
function updateFavoritesInfo(items) {

    document.getElementById('favorite-info').innerText = items.length

}

document.addEventListener('DOMContentLoaded', Favorites.displayFavorites)

// END OF FAVORITES


// SHOPPING CART


function updateCartTotal() {

    const totalContainer = document.getElementById('cartTotal')

    const beerQuantity = document.getElementsByName('beerQuantity')

    let cartItems = Cart.getCartItems()

    let cartTotal = 0

    cartItems.forEach((item, index) => {

        cartTotal += item[2] * item[3]

    })

    cartTotal = Math.abs(Math.round(cartTotal * 100) / 100)

    totalContainer.innerHTML = cartTotal ? ` - &euro;${cartTotal}` : ``

}


function quantityChanged(target) {

    let quantityInput = target
```

```
let beer = quantityInput.parentElement.parentElement.firstChild.innerText

let beerQuantity = target.value

let cartItems = Cart.getCartItems()

let targetArray = cartItems.filter(item => item.includes(beer))

if(beerQuantity < 1 || isNaN(beerQuantity)) {

    target.value = 1

    beerQuantity = 1

}

for(let index in cartItems) {

    if(cartItems[index][1] === targetArray[0][1]) {

        cartItems[index][3] = Number(beerQuantity)

    }

}

localStorage.setItem('cartItems', JSON.stringify(cartItems))

displayReceiptItems(cartItems)

updateCartTotal()

}

function addToCart(clickedBeer) {

    let beerInfo = []

    let targetBeer = clickedBeer.target.parentElement.parentElement

    let beerNameHolder = targetBeer.children[1].children[0].innerHTML

    let theName = beerNameHolder.substring(0, beerNameHolder.indexOf('<'))
```

```
let imgSource = targetBeer.children[0].children[0].getAttribute('src')

let actualPrice = targetBeer.children[1].children[4].textContent

let beerPrice = Number(actualPrice.substring(2, actualPrice.length))

if(!checkItemRepeat(theName)) {

    M.toast({html: 'Beer is already in cart!'})

} else {

    M.toast({html: 'Beer added to cart!'})

    beerInfo.push(imgSource, theName, beerPrice, 1)

    Cart.addCartItems(beerInfo)

    Cart.displayCartItems()

}

}

function checkItemRepeat(name) {

    let cartItems = Cart.getCartItems()

    for(let i = 0; i < cartItems.length; i++) {

        if(cartItems[i][1] === name) return 0

    }

    return 1

}

function displayCartItems(itemsArray) {
```

```

const cartContainer = document.getElementById('cart-container')

let cartItem = ''

for(let index in itemsArray) {

  cartItem += `

    <li>

      <div class="row">

        <div class="col s8 offset-s2 offset-m2 offset-l2">

        </div>

      </div>

      <div class="row valign-wrapper">

        <div class="col s6 pt-1">

          <h6>${itemsArray[index][1]}</h6>

        </div>

        <div class="col s4 pt-1">

          <input type="number" class="quantity" value="${itemsArray[index][3]}" name="beerQuantity"
onchange="quantityChanged(this)" />

        </div>

        <div class="col s2 pt-1">

          <a class="remove-cart-item"><i class="orange-text material-icons">close</i></a>

        </div>

      </div>

    </li>

    <li><div class="divider"></div></li>

```

```
    }

    if(cartItem) {

        cartContainer.innerHTML = cartItem

        document.getElementById('clearCart').parentElement.parentElement.parentElement.className = 'show'

    } else {

        cartContainer.innerHTML = 'Your cart is empty!'

        document.getElementById('clearCart').parentElement.parentElement.parentElement.className = 'hide'

    }

    document.querySelectorAll('.remove-cart-item').forEach(removeBtn => {

        removeBtn.addEventListener('click', removeFromCart)

    })

    displayReceiptItems(itemsArray)

}

document.getElementById('clearCart').addEventListener('click', emptyCart)

function emptyCart() {

    localStorage.removeItem('cartItems')

    updateCartTotal()

    Cart.displayCartItems()

}
```



```
function removeFromCart(clickedBeer) {  
  
    let targetBeer = clickedBeer.target.parentElement.parentElement.parentElement  
  
    let targetName = targetBeer.children[0].children[0].innerText  
  
    M.toast({html: 'Beer removed from cart!'})  
  
    Cart.removeCartItem(targetName)  
  
}
```

```
class Cart {  
  
    static getCartItems() {  
  
        let cartItems = localStorage.getItem('cartItems')  
  
        if(cartItems === null) {  
  
            cartItems = []  
  
        }  
  
        else {  
  
            cartItems = JSON.parse(localStorage.getItem('cartItems'))  
  
        }  
  
        updateCartInfo(cartItems)  
  
        return cartItems  
  
    }  
  
  
    static removeCartItem(item) {  
  
        let cartItems = Cart.getCartItems()  
  
  
        for(let index in cartItems) {
```

```
        if(cartItems[index][1] === item) {

            cartItems.splice(index, 1)

        }

    }

    localStorage.setItem('cartItems', JSON.stringify(cartItems))

    updateCartTotal()

    Cart.displayCartItems()

}

static displayCartItems() {

    let cartItems = Cart.getCartItems()

    displayCartItems(cartItems)

    updateCartTotal()

}

static addCartItems(beerInfo) {

    let cartItems = Cart.getCartItems()

    cartItems.push(beerInfo)

    localStorage.setItem('cartItems', JSON.stringify(cartItems))

}

}

function updateCartInfo(items) {

    document.getElementById('cart-info').innerText = items.length

}
```

```
}

document.addEventListener('DOMContentLoaded', Cart.displayCartItems)

// END OF SHOPPING CART

// CREATING RECEIPT

function displayReceiptItems(items) {

  const totalReceipt = document.getElementById('totalReceipt')

  const receiptItemsContainer = document.getElementById('receipt-items')

  let totalReceiptSum = 0

  let receiptItem = ''

  for(let indeks in items) {

    totalReceiptSum += items[indeks][2] * items[indeks][3]

    receiptItem += `

      <tr>

        <td>${Number(indeks) + 1}</td>

        <td>${items[indeks][1]}</td>

        <td>${items[indeks][3]}</td>

        <td>${items[indeks][2]}</td>

        <td>${(items[indeks][2] * items[indeks][3]).toFixed(2)}</td>

      </tr>
    `
  }

  receiptItemsContainer.innerHTML = receiptItem
```

```

    totalReceipt.textContent = totalReceiptSum.toFixed(2)

  }

// END OF CREATING RECEIPT

// VALIDATION METHODS FOR /ABOUT.HTML AND DELIVERY FORM (GLOBALS)

// DELIVERY FORM VALIDATION

const nameExpression = /^[A-ZČČŽĐŠ][a-zćčžđš]{1,14}\s([A-ZČČŽĐŠ][a-zćčžđš]{1,14})?\s?[A-ZČČŽŠĐ][a-zćčžđš]{1,19}$/

const streetAddressExpression = /^[A-Za-zČČŽĐŠććčžđš'\.\-\s\,0-9]{3,}$/

const postalCodeExpression = /^[0-9]{5}$/

const contactPhoneExpression = /^[+]?[0-9]{11,12}$/

const deliveryName = document.getElementById('customerName')

const deliveryAddress = document.getElementById('address')

const deliveryPostalCode = document.getElementById('postalCode')

const deliveryPhone = document.getElementById('phoneNumber')

const deliveryButton = document.getElementById('deliveryBtn')

const deliveryForm = document.getElementById('deliveryForm')

deliveryForm.addEventListener('submit', (event) => {

  if(checkBtn(deliveryBtn, 'deliveryBtn')) {

    event.preventDefault()

    alert(`Thank you ${deliveryName.value} for ordering our beers! Our couriers will contact you on
    ${deliveryPhone.value}, when they arrive at ${deliveryAddress.value}. Best regards!`)

    clearDeliveryFields()

    emptyCart()
  }
})

```

```
    } else {

        event.preventDefault()

        alert('Looks like you forgot something to fill. Check your fields!')

        checkField(deliveryName, nameExpression)

        checkField(deliveryAddress, streetAddressExpression)

        checkField(deliveryPostalCode, postalCodeExpression)

        checkField(deliveryPhone, contactPhoneExpression)

    }

})

function deliveryBtn() {

    if(checkField(deliveryName, nameExpression) && checkField(deliveryAddress, streetAddressExpression) &&
checkField(deliveryPostalCode, postalCodeExpression) && checkField(deliveryPhone, contactPhoneExpression)) return 1

    return 0

}

function clearDeliveryFields() {

    fieldNeutral(deliveryName)

    fieldNeutral(deliveryAddress)

    fieldNeutral(deliveryPostalCode)

    fieldNeutral(deliveryPhone)

    deliveryButton.className = 'btn btn-large red center waves-effect waves-light'

}

addListenerForField(deliveryName, nameExpression, 'keyup')
```

```
addListenerForField(deliveryName, nameExpression, 'blur')

addListenerForButton(deliveryName, deliveryBtn, 'deliveryBtn', 'keyup')


addListenerForField(deliveryAddress, streetAddressExpression, 'keyup')

addListenerForField(deliveryAddress, streetAddressExpression, 'blur')

addListenerForButton(deliveryAddress, deliveryBtn, 'deliveryBtn', 'keyup')


addListenerForField(deliveryPostalCode, postalCodeExpression, 'keyup')

addListenerForField(deliveryPostalCode, postalCodeExpression, 'blur')

addListenerForButton(deliveryPostalCode, deliveryBtn, 'deliveryBtn', 'keyup')


addListenerForField(deliveryPhone, contactPhoneExpression, 'keyup')

addListenerForField(deliveryPhone, contactPhoneExpression, 'blur')

addListenerForButton(deliveryPhone, deliveryBtn, 'deliveryBtn', 'keyup')


// END OF DELIVERY FORM VALIDATION


// FUNCTIONS FOR ALL FORM VALIDATIONS

function fieldNeutral(field) {

    field.className = 'white-text'

    field.value = ''

    field.nextElementSibling.nextElementSibling.className = ''

    field.nextElementSibling.nextElementSibling.innerHTML = ''

}

function fieldValid(field) {
```

```
if(field.classList.contains('fail')) {

    field.classList.remove('fail')

    field.classList.add('pass')

    field.nextElementSibling.nextElementSibling.classList.remove('red-text')

    field.nextElementSibling.nextElementSibling.classList.add('teal-text')

} else {

    field.classList.add('pass')

}

field.nextElementSibling.nextElementSibling.innerHTML = `&check;`

field.nextElementSibling.nextElementSibling.classList.add('teal-text')

}

function fieldInvalid(field, text) {

    if(field.classList.contains('pass')) {

        field.classList.remove('pass')

        field.classList.add('fail')

        field.nextElementSibling.nextElementSibling.classList.remove('teal-text')

        field.nextElementSibling.nextElementSibling.classList.add('red-text')

    } else {

        field.classList.add('fail')

    }

    field.nextElementSibling.nextElementSibling.innerText = `${text}`

    field.nextElementSibling.nextElementSibling.classList.add('red-text')

}
```

```
function checkField(field, expression) {

    let fieldValue = field.value

    return checkRegEx(expression, fieldValue, field)

}

function checkRegEx(expression, fieldValue, field) {

    if(expression.test(String(fieldValue))) {

        fieldValid(field)

        return 1 // Is valid, return 1

    } else {

        fieldInvalid(field, `${field.name} is not as expected!`)

        return 0 // It isn't as expected, return 0

    }

}

function checkBtn(callback, buttonId) {

    let button = document.getElementById(buttonId)

    if(callback()) {

        if(button.classList.contains('red')) {

            button.classList.remove('red')

            button.classList.add('teal')

        } else {

            button.classList.add('teal')

        }

        return 1 // Button is valid, and can submit the form
    }
}
```



```
    } else {

        if(button.classList.contains('teal')) {

            button.classList.remove('teal')

            button.classList.add('red')

        } else {

            button.classList.add('red')

        }

        return 0 // Button is not allowed to submit if any field isn't filled

    }

}
```

```
function addListenerForField(field, expression, event) {

    field.addEventListener(event, () => {

        checkField(field, expression)

    })

}
```

```
function addListenerForButton(field, callback, buttonId, event) {

    field.addEventListener(event, () => {

        checkBtn(callback, buttonId)

    })

}
```

```
// END OF FUNCTIONS FOR ALL FORM VALIDATIONS
```

```
// END OF VALIDATION METHODS FOR /ABOUT.HTML AND DELIVERY FORM (GLOBALS)
```

```
// CONTACT VALIDATION FOR /ABOUT.HTML

function contactValidation() {

    const nameExpression = /^[A-ZČČŽĐŠ][a-zččžđš]{1,14}\s([A-ZČČŽĐŠ][a-zččžđš]{1,14})?\s?[A-ZČČŽĐŠ][a-zččžđš]{1,19}$/

    const mailExpression = /^[a-zA-Z0-9]([a-z]|[0-9])+\.?~?_?([a-z]|[0-9])*\.?([a-z]|[0-9])*@[a-z]{3,}\.([a-z]{2,4}\.)?([a-z]{2,4})$/

    const nameField = document.getElementById('fullname')

    const mailField = document.getElementById('email')

    const textField = document.getElementById('textarea2')

    const ageButton = document.querySelectorAll('input[type="radio"]')

    const submitBtn = document.getElementById('contactSubmit')

    document.getElementById('contactForm').addEventListener('submit', (event) => {

        if(checkBtn(contactButton, 'contactSubmit')) {

            event.preventDefault()

            alert(`Thank you ${nameField.value} for contacting us! We will answer you shortly on ${mailField.value}. Best regards!`)

            clearInputs()

        }

        else {

            event.preventDefault()

            alert('You must be at least 18 years old! Check your inputs!')

            checkField(nameField, nameExpression)

            checkField(mailField, mailExpression)

            textAreaCheck()
```

```
    }  
  
  })  
  
  addListenerForField(nameField, nameExpression, 'keyup')  
  
  addListenerForField(nameField, nameExpression, 'blur')  
  
  addListenerForButton(nameField, contactButton, 'contactSubmit', 'keyup')  
  
  
  addListenerForField(mailField, mailExpression, 'keyup')  
  
  addListenerForField(mailField, mailExpression, 'blur')  
  
  addListenerForButton(mailField, contactButton, 'contactSubmit', 'keyup')  
  
  
  textField.addEventListener('keyup', textAreaCheck)  
  
  textField.addEventListener('blur', textAreaCheck)  
  
  textField.addEventListener('keyup', () => {  
  
    checkBtn(contactButton, 'contactSubmit')  
  
  })  
  
  
  ageButton.forEach(button => {  
  
    button.addEventListener('change', checkAge)  
  
  })  
  
  
  ageButton.forEach(button => {  
  
    button.addEventListener('change', () => {  
  
      checkBtn(contactButton, 'contactSubmit')  
  
    })  
  
  })
```

```
    })

    function clearInputs() {

        fieldNeutral(nameField)

        fieldNeutral(mailField)

        areaNeutral()

        submitBtn.className = 'btn btn-large red waves-effect waves-light'

        document.querySelector('input[type="radio"]:checked').checked = false

        document.querySelector('#noteight').checked = true

    }

    function contactButton() {

        if(textAreaCheck() && checkField(nameField, nameExpression) && checkField(mailField, mailExpression) &&
checkAge()) return 1

        return 0

    }

    function checkAge() {

        let selectedAge = Number(document.querySelector('input[name="age"]:checked').value)

        if(selectedAge) return 1

        return 0

    }

    function areaNeutral() {

        textField.className = 'textarea fieldInput'

        textField.value = ''
```

```
        textField.nextElementSibling.nextElementSibling.className = ''

        textField.nextElementSibling.nextElementSibling.innerHTML = ''
    }

    function textAreaCheck() {

        if((textField.value.length > 0) && (textField.value.length < 500)) {

            fieldValid(textField)

            return 1

        } else {

            fieldInvalid(textField, 'Message must be between 0-500 characters!')

            return 0

        }

    }

}

// END OF CONTACT VALIDATION FOR /ABOUT.HTML


// FETCH AND CREATE NAVIGATION LINKS

function loadNavigation() {

    const visibleList = document.getElementById('visible-links')

    const collapsedList = document.getElementsByClassName('sideNavCollapsed')[0]

    let pagePath = window.location.pathname

    fetchData('navigation').then(data => {

        for(let link of data) {
```

```
        let listItem = document.createElement('li')

        let linkName = document.createTextNode(link.value)

        let listLink = document.createElement('a')

        listLink.href = `${link.location}`

        listLink.append(linkName)

        pagePath === link.location ? listItem.className = 'active' : listItem.className = ''

        listItem.append(listLink)

        collapsedList.append(listItem)

    }

    for(let link of data) {

        let listItem = document.createElement('li')

        let linkName = document.createTextNode(link.value)

        let listLink = document.createElement('a')

        listLink.href = `${link.location}`

        listLink.append(linkName)

        pagePath === link.location ? listItem.className = 'active' : listItem.className = ''

        listItem.append(listLink)

        visibleList.append(listItem)

    }

})

}

// END OF FETCH AND CREATE NAVIGATION LINKS

// LOADING SCREEN FADEOUT
```

```
function pageLoad() {  
  
  $(document).ready(() => {  
  
    $('#intro').hide()  
  
    setTimeout(() => {  
  
      $('.loader').animate({  
  
        opacity: 0  
  
      }, 1000)  
  
    }, 2000)  
  
    setTimeout(() => {  
  
      $('.loader').remove()  
  
    }, 3000)  
  
    setTimeout(() => {  
  
      $('#intro').fadeIn(1000)  
  
    }, 3000)  
  
  })  
  
}
```

pageLoad()

// END OF LOADING SCREEN FADEOUT

// SCROLL TO TOP BUTTON

```
function scrollToTopBtn() {  
  
  const backToTopButton = document.getElementById('toTopBtn')  
  
  const scrollBack = () => window.scrollTo(0, 0)
```

```
backToTopButton.addEventListener('click', scrollBack)

const showBtn = () => {

  if(window.pageYOffset > 300) {

    if(backToTopButton.classList.contains('scale-out')) {

      backToTopButton.classList.remove('scale-out')

      backToTopButton.classList.add('scale-in')

    }

  } else {

    if(backToTopButton.classList.contains('scale-in')) {

      backToTopButton.classList.remove('scale-in')

      backToTopButton.classList.add('scale-out')

    }

  }

}

window.addEventListener('scroll', showBtn)

}

// END OF SCROLL TO TOP BUTTON

// MATERIALIZE & JQUERY COMPONENTS

$(document).ready(() => {

  loadNavigation()

  pageFooter()

  scrollToTopBtn()

  AOS.init()
```



```
$('.modal').modal()

$('.sidenav').sidenav()

$('.sidenav2').sidenav({
    edge: 'right'
})

$('.parallax').parallax()

$('.select').formSelect()

})

// END OF MATERIALIZE & JQUERY COMPONENTS

// AMATEUR COMPONENTS

function pageFooter() {

    const footerContainer = document.getElementById('pageFooter')

    const footerContent = `

        <div class="container">

            <div class="row">

                <div class="col m3 l3 s12 offset-m1 offset-l1 center-on-small-only">

                    <h5 class="white-text">Useful links</h5>

                    <ul>

                        <li><a target="_blank" class="white-text" href="./about.html#definition">What is craft
beer?</a></li>

                        <li><a target="_blank" class="white-text" href="./about.html#brewing">How is craft beer
brewed?</a></li>
```

```

        <li><a target="_blank" class="white-text" href="./about.html#location">Brewery near
me?</a></li>

        <li><a target="_blank" class="white-text" href="./about.html#contact">Write us a
message.</a></li>

    </ul>

</div>

<div class="col m3 l3 s12 offset-m1 offset-l1 center-on-small-only">

    <h5 class="white-text">Contact us</h5>

    <ul id="contact-methods">

        <li><a class="white-text" href="./assets/settings/feed.rss"><u>RSS Subscription</u></a></li>

        <li>Mail: lazarlalovic@gmail.com</li>

        <li>Phone: 064 / 923 82 52</li>

        <li>Street: Zdravka Celara 16</li>

    </ul>

</div>

<div class="col m3 l3 s12 offset-m1 offset-l1 center-on-small-only">

    <h5 class="white-text">Site assets</h5>

    <ul class="pt-1">

        <li><a target="_blank" class="white-text" href="./documentation.pdf">Documentation</a></li>

        <li><a target="_blank" class="white-text"
href="./assets/settings/sitemap.xml">Sitemap</a></li>

        <li><a target="_blank" class="white-text" href="./assets/js/main.js">main.js</a></li>

    </ul>

</div>

</div>
```

```

    </div>

    <div class="footer-copyright grey darken-4">

        <div class="container center-align">

            Copyright &copy; Lazar Lalovic 2022. All Rights Reserved.

        </div>

    </div>
    `
    footerContainer.innerHTML = footerContent
}

function createModal() {

    const modalContainer = document.getElementById('modal1')

    const modalContent = `

        <div class="modal-content">

            <h4>Your cart items:</h4>

            <div class="divider"></div>

            <div class="col s12 l6">

                <table class="responsive-table striped">

                    <thead>

                        <td>Id</td>

                        <td>Name</td>

                        <td>Quantity</td>

                        <td>Price &euro;; <small>&#40;per unit&#41;</small></td>

                        <td>Total &euro;</td>

```

```

        </thead>

        <tbody id="receipt-items">

        </tbody>

    </table>

    <div class="right size-1 pt-2 pr-3">

        Receipt = &euro; <u><span id="totalReceipt">0.0</span></u>

    </div>

</div>

<div class="col s12 l4 offset-l1 pt-3">

    <h5>Delivery info</h5>

    <form class="pt-3" id="deliveryForm">

        <div class="input-field mb-3">

            <input class="black-text quantity" placeholder="e.g. John Doe" type="text" name="Full name"
id="customerName" />

            <label for="customerName">Full Name</label>

            <span class="helper-text left"></span>

        </div>

        <div class="input-field mb-3">

            <input class="black-text quantity" placeholder="e.g. Zdravka Celara 16" type="text"
name="Address" id="address" />

            <label for="address">Address</label>

            <span class="helper-text left"></span>

        </div>

        <div class="input-field mb-3">

```

```

        <input class="black-text quantity" placeholder="e.g. xxxxx" type="number" name="Postal code"
id="postalCode" />

        <label for="postalCode">Postal code</label>

        <span class="helper-text left"></span>

    </div>

    <div class="input-field mb-3">

        <input class="black-text quantity" placeholder="e.g. +xxx xx xxx xx xx" type="text"
name="Phone number" id="phoneNumber" />

        <label for="phoneNumber">Phone number</label>

        <span class="helper-text left"></span>

    </div>

    <div class="input-field mb-3">

        <button class="btn btn-large red center waves-effect waves-light"
id="deliveryBtn">SEND</button>

    </div>

</form>

</div>

</div>

<div class="modal-footer"><a class="modal-action modal-close btn-flat">Modify cart</a></div>
`

modalContainer.innerHTML = modalContent

}

// END OF AMATEUR COMPONENTS

```

3.4 JSON

navigation.json

```
[  
  {  
    "value": "Home",  
    "location": "/worldCraft/"  
  },  
  {  
    "value": "Shop",  
    "location": "/worldCraft/shop.html"  
  },  
  {  
    "value": "About",  
    "location": "/worldCraft/about.html"  
  },  
  {  
    "value": "Author",  
    "location": "/worldCraft/author.html"  
  }  
]
```

breweries.json

```
[  
  {  
    "id": 1,  
    "title": "Ayinger"  
  },  
  {  
    "id": 2,  
    "title": "Dog Fish"  
  },  
  {  
    "id": 3,  
    "title": "Dogma"  
  },  
  {  
    "id": 4,  
    "title": "Erdinger"  
  },  
  {  
    "id": 5,  
    "title": "Flying Dog"  
  },  
  {  
    "id": 6,
```

```
    "title": "Hofbräu"
  },
  {
    "id": 7,
    "title": "Paulaner"
  },
  {
    "id": 8,
    "title": "Sweet Water"
  },
  {
    "id": 9,
    "title": "Firestone"
  },
  {
    "id": 10,
    "title": "Oscar B."
  },
  {
    "id": 11,
    "title": "New Belgium"
  },
  {
    "id": 12,
    "title": "Pinkus"
```



```
},  
  
{  
  
  "id": 13,  
  
  "title": "Pirate Life"  
  
},  
  
{  
  
  "id": 14,  
  
  "title": "Pulfer"  
  
},  
  
{  
  
  "id": 15,  
  
  "title": "Sierra Nevada"  
  
},  
  
{  
  
  "id": 16,  
  
  "title": "Summer Solstice"  
  
},  
  
{  
  
  "id": 17,  
  
  "title": "Weihenstephaner"  
  
},  
  
{  
  
  "id": 18,  
  
  "title": "Victory Prima"  
  
},
```

```
{  
  "id": 19,  
  "title": "Genesee"  
}  
]
```

alc-percentages.json

```
[  
  {  
    "id": 1,  
    "title": "5-7"  
  },  
  {  
    "id": 2,  
    "title": "8-10"  
  },  
  {  
    "id": 3,  
    "title": ">10"  
  }  
]
```

types.json

```
[  
  {  
    "id": 1,  
    "title": "APA"  
  },  
  {  
    "id": 2,  
    "title": "Cream Ale"  
  },  
  {  
    "id": 3,  
    "title": "Dunkel"  
  },  
  {  
    "id": 4,  
    "title": "German Pilsner"  
  },  
  {  
    "id": 5,  
    "title": "Helles"  
  },  
  {
```

```
    "id": 6,  
    "title": "Hefe"  
  },  
  {  
    "id": 7,  
    "title": "IPA"  
  },  
  {  
    "id": 8,  
    "title": "Milk Stout"  
  },  
  {  
    "id": 9,  
    "title": "Jungle Ale"  
  }  
]
```

beers.json

```
[
  {
    "id": 1,
    "beerName": "Svetionik",
    "brewery": 3,
    "price": 1.25,
    "alcoholPercentage": {
      "percentage": 5.5,
      "percentageRange": 1
    },
    "types": [
      1, 5
    ],
    "beerCover": {
      "location": "svetionik-apa.jpg",
      "alternative": "Svetionik"
    },
    "beerDescription": "Extreme drinkability, whose aroma is illuminated by mango, orange, mandarin and grapefruit, will show you a carefully intoxicated path to the bright ale with a symbolic name. The lighthouse is made of selected barley and wheat malts, created after the collision of two large brewing schools - traditional German and innovative American."
  },
  {
```

```
    "id": 2,

    "beerName": "Crna Krava",

    "brewery": 3,

    "price": 1.75,

    "alcoholPercentage": {

        "percentage": 5.35,

        "percentageRange": 1

    },

    "types": [

        8

    ],

    "beerCover": {

        "location": "crna-krava-milk.png",

        "alternative": "Crna Krava"

    },

    "beerDescription": "The new Dogma darling has arrived! Notes of coffee and chocolate in
the aroma, full and milky taste in the mouth. Six special malts and the addition of roasted barley
and lactose. Meet Crna Krava, which is a classic island stout, enriched with milky taste!"

    },

    {

        "id": 3,

        "beerName": "Albino",

        "brewery": 3,

        "price": 1.19,

        "alcoholPercentage": {
```

```
        "percentage": 6.7,

        "percentageRange": 1

    },

    "types": [

        7

    ],

    "beerCover": {

        "location": "albino-ipa.png",

        "alternative": "Albino"

    },

    "beerDescription": "Albino 'White IPA' is a beer style created somewhere between the
Belgian Wit and the well-known India Pale Ale. By combining barley and wheat malt with a carefully
determined share of wheat flakes, we have created a beer with a balanced body, pleasant aromas and
bitterness obtained by using American hops - Chinook, Simcoe and Cascade. We added a little orange
peel to all that and got a refreshing, summer White IPA."

    },

    {

        "id": 4,

        "beerName": "Dunkles",

        "brewery": 1,

        "price": 1.89,

        "alcoholPercentage": {

            "percentage": 5.3,

            "percentageRange": 1

        },

    },
```

```
    "types": [  
        3  
    ],  
    "beerCover": {  
        "location": "ayinger-dunkel-weiss.png",  
        "alternative": "Ayinger Dunkel"  
    },  
    "beerDescription": "Produced using the traditional double fermentation process, a Dunkel  
which Michael Jackson, the Beer Hunter, described as \"impenetrably dark with a golden-brown  
gleam; with a warm aroma and malty taste, while summoning up coffee taste sensations on going  
down.\\\""  
    },  
    {  
        "id": 5,  
        "beerName": "Weisse",  
        "brewery": 1,  
        "price": 1.39,  
        "alcoholPercentage": {  
            "percentage": 5.7,  
            "percentageRange": 1  
        },  
        "types": [  
            5, 6  
        ],  
        "beerCover": {
```



```
        "location": "ayinger-hell-weiss.png",

        "alternative": "Ayinger Hell"

    },

    "beerDescription": "Our Ayinger Ur-Weisse is an old-fashioned wheat with some fine roasted
malt to give it more color and flavor than golden hefeweizen. It has an immense crown of lovely
foam held proudly above a robe of translucent amber. On the palate, malt and yeast predominate,
with a delicious balance of fruit and bread-like yeast."

},

{

    "id": 6,

    "beerName": "Calculator",

    "brewery": 3,

    "price": 1.19,

    "alcoholPercentage": {

        "percentage": 6.6,

        "percentageRange": 1

    },

    "types": [

        7

    ],

    "beerCover": {

        "location": "calculator-ipa.png",

        "alternative": "Calculator"

    },

}
```

```
    "beerDescription": "With its drinkability, softness and aromas of tropical fruits, white wine, passion fruit and papaya on the hop side (Idaho 7 & Nelson Sauvignon), as well as light malt and rice on the malt side, CALCULATOR will bring you closer to the complex process of calculating and finding the perfect combination of ingredients every time you create new beer recipes!"
  },
  {
    "id": 7,
    "beerName": "120min-IPA",
    "brewery": 2,
    "price": 4.99,
    "alcoholPercentage": {
      "percentage": 18.7,
      "percentageRange": 3
    },
    "types": [
      7
    ],
    "beerCover": {
      "location": "dogfish-head-120min-ipa.png",
      "alternative": "DogFish-Head 120min"
    },
    "beerDescription": "120 Minute IPA is brewed to a colossal 45-degree plato, boiled for a full two hours while being continuously hopped with high-alpha American hops, then dry-hopped daily in the fermenter for a month and aged for another month on whole-leaf hops!"
  },
```

```
{  
  "id": 8,  
  "beerName": "Hoptopod",  
  "brewery": 3,  
  "price": 1.29,  
  "alcoholPercentage": {  
    "percentage": 6.7,  
    "percentageRange": 1  
  },  
  "types": [  
    7  
  ],  
  "beerCover": {  
    "location": "dogma-hoptopod-ipa.jpg",  
    "alternative": "Hoptopod"  
  },  
  "beerDescription": "A beer that will ignite all your senses! Using the dry hop technique,  
we have created a drinkable and strong combination of tropical and floral aromas, for all fans of  
authentic India Pale Ale style. The American School of Brewing and passion for beer made this hop  
monster leave a striking impression after each sip."  
},  
{  
  "id": 9,  
  "beerName": "Weißbier",  
  "brewery": 4,
```

```
    "price": 1.49,

    "alcoholPercentage": {

        "percentage": 5.5,

        "percentageRange": 1

    },

    "types": [

        5,6

    ],

    "beerCover": {

        "location": "erdinger.jpg",

        "alternative": "Erdinger Weißbier"

    },

    "beerDescription": "Erdinger Weissbier is a classic German wheat beer, or Weissbier with
an impressive array of aromas and flavours. Brewed by Erdinger in the heart of Bavaria, this
Weissbier shows off a pale blonde body capped by an abundant creamy white head."

    },

    {

        "id": 10,

        "beerName": "Dunkel",

        "brewery": 4,

        "price": 1.99,

        "alcoholPercentage": {

            "percentage": 5.7,

            "percentageRange": 1

        },
```

```
    "types": [
      3
    ],
    "beerCover": {
      "location": "erdinger-dunkel.jpg",
      "alternative": "Erdinger Dunkel"
    },
    "beerDescription": "Erdinger Weissbier Dunkel is a rich and smooth wheat beer specialty from Erdinger Weissbräu. It owes its full-bodied flavor to the fine hops and dark malt used in its production. The dark beer specialty is brewed according to an age-old recipe."
  },
  {
    "id": 11,
    "beerName": "Woo Jack",
    "brewery": 9,
    "price": 3.00,
    "alcoholPercentage": {
      "percentage": 8.1,
      "percentageRange": 2
    },
    "types": [
      3, 7
    ],
    "beerCover": {
      "location": "firestone-wookee-jack.png",
```

```
      "alternative": "Firestone Wookey Jack"

    },

    "beerDescription": "Big toasty malt flavors with balanced hop bitterness and spicy rye
offer a full and complex texture with a refined bittered finish. A truly different IPA for dark
beer fans."

  },

  {

    "id": 12,

    "beerName": "Bloodline",

    "brewery": 5,

    "price": 1.79,

    "alcoholPercentage": {

      "percentage": 5.5,

      "percentageRange": 1

    },

    "types": [

      1

    ],

    "beerCover": {

      "location": "flying-dog-bloodline.jpeg",

      "alternative": "FD Bloodline"

    },

    "beerDescription": "Bloodline defies genre: Hops for the hop-heads. Fruit for the rest.
Sweet blood orange puree is added toward the end of fermentation to balance the citrusy sharpness
of the hops and deliver a hard-charging ABV to keep the good times rolling."
```

```
  },  
  
  {  
  
    "id": 13,  
  
    "beerName": "Doggie",  
  
    "brewery": 5,  
  
    "price": 2.99,  
  
    "alcoholPercentage": {  
  
      "percentage": 5.7,  
  
      "percentageRange": 1  
  
    },  
  
    "types": [  
  
      1  
  
    ],  
  
    "beerCover": {  
  
      "location": "flying-dog-doggie-style.jpg",  
  
      "alternative": "FD Doggie Style"  
  
    },  
  
    "beerDescription": "The standard in pale ales, this beautiful amber liquid perfectly  
balances 4 different types of hops, then melds them together with Carastan malts to create an  
incredibly satisfying beer-flavored beer that tastes like beer."  
  
  },  
  
  {  
  
    "id": 14,  
  
    "beerName": "Dunkel",  
  
    "brewery": 6,
```

```
    "price": 1.19,  
    "alcoholPercentage": {  
      "percentage": 5.5,  
      "percentageRange": 1  
    },  
    "types": [  
      3  
    ],  
    "beerCover": {  
      "location": "hofbrau-dunkel.jpg",  
      "alternative": "Hofbrau Dunkel"  
    },  
    "beerDescription": "Today, Hofbräu Dunkel - the archetypal Bavarian beer - is still as  
popular as ever. With its alcoholic content of around 5.5% volume and its spicy taste, it's a  
refreshing beer that suits all kinds of occasion. A beer in the traditional Munich style!"  
  },  
  {  
    "id": 15,  
    "beerName": "Original",  
    "brewery": 6,  
    "price": 0.89,  
    "alcoholPercentage": {  
      "percentage": 5.5,  
      "percentageRange": 1  
    },  
  },
```



```
    "types": [
      5, 6
    ],
    "beerCover": {
      "location": "hofbrau-original-hell.png",
      "alternative": "Hofbrau Helles"
    },
    "beerDescription": "A liter of Hofbräu Original! Luminous golden yellow with foamy white crown – you can already taste the refreshment: Slightly malty, full-bodied, mature and with an elegant finish."
  },
  {
    "id": 16,
    "beerName": "Devi Dale's",
    "brewery": 10,
    "price": 0.69,
    "alcoholPercentage": {
      "percentage": 5.7,
      "percentageRange": 1
    },
    "types": [
      1
    ],
    "beerCover": {
      "location": "oskar-blues-devian-dale.png",
```

```
      "alternative": "Oskar Blues Deviant Dale"
    },
    "beerDescription": "Oskar Blues Deviant Dale's IPA – Pours a golden orange color with a couple fingers of white head and plenty of lacing. Smells of sugary sweetness and citrusy hops, with a little pine and resin poking through as well. Taste is very sweet with tons of that citrus and pine hop flavor and just enough bitterness in the finish to balance out the sweet start. Mouthfeel is really nice, smooth, almost creamy, light but well balanced carbonation."
  },
  {
    "id": 17,
    "beerName": "Dunkel",
    "brewery": 7,
    "price": 1.39,
    "alcoholPercentage": {
      "percentage": 6.5,
      "percentageRange": 1
    },
    "types": [
      3
    ],
    "beerCover": {
      "location": "paulaner-dunkel.jpg",
      "alternative": "Paulaner Dunkel"
    }
  },
```

```
      "beerDescription": "Then wheat, malt, and sparkling roast aroma. Weissbier Dunkel is a muscular beer. Unfiltered, strong, and nutty. At the same time, smooth and soft to the taste."
    },
    {
      "id": 18,
      "beerName": "Helles",
      "brewery": 7,
      "price": 1.19,
      "alcoholPercentage": {
        "percentage": 5.7,
        "percentageRange": 1
      },
      "types": [
        6
      ],
      "beerCover": {
        "location": "paulaner-hell.jpg",
        "alternative": "Paulaner Helles"
      },
      "beerDescription": "A true classic of quintessential Munich and Bavarian drinks. Clear and sparkling bright golden in the glass, crowned by a pure white head, it is usually drunk in the shade of a chestnut tree according to tradition."
    },
    {
      "id": 19,
```

```
    "beerName": "Münchner",
    "brewery": 7,
    "price": 1.29,
    "alcoholPercentage": {
      "percentage": 5.0,
      "percentageRange": 1
    },
    "types": [
      5, 6
    ],
    "beerCover": {
      "location": "paulaner-munchen.jpg",
      "alternative": "Paulaner Munchner"
    },
    "beerDescription": "A beer which always goes down well: mild, elegant malts with a hint of
sweetness and a soft hint of hops in the background. This is pure Bavarian life style!"
  },
  {
    "id": 20,
    "beerName": "Pils",
    "brewery": 12,
    "price": 1.09,
    "alcoholPercentage": {
      "percentage": 5.0,
      "percentageRange": 1
    }
  }
]
```

```
    },  
    "types": [  
        4  
    ],  
    "beerCover": {  
        "location": "pinkus-pils.jfif",  
        "alternative": "Pinkus Pilsner"  
    },  
    "beerDescription": "In the mouth, it is lightly pilsner bitter, with notes of malt. Nice  
beer. Pours a semi opaque deep yellow with a decent foamy head, nice carbonation and some visible  
sediment. Smell some grains ,slight Diacetyl (buttery) cracker,malt."  
},  
{  
    "id": 21,  
    "beerName": "Black",  
    "brewery": 13,  
    "price": 1.49,  
    "alcoholPercentage": {  
        "percentage": 5.8,  
        "percentageRange": 1  
    },  
    "types": [  
        3, 7  
    ],  
    "beerCover": {
```

```
        "location": "piratelife-black.png",
        "alternative": "Pirate Life Black"
    },
    "beerDescription": "Deep, dark and fragrant, it combines a colossal mash bill with four of
our favourite international hop varieties. Once poured, aromas of cut grass, musk lolly and coffee
waft from the pint. The bitterness is on the low side, giving rise to an extravagant palate of
espresso, pine and mint slice."
},
{
    "id": 22,
    "beerName": "Hefe",
    "brewery": 14,
    "price": 1.59,
    "alcoholPercentage": {
        "percentage": 5.7,
        "percentageRange": 1
    },
    "types": [
        6
    ],
    "beerCover": {
        "location": "pulfer-hefe.jpg",
        "alternative": "Pulfer Hefe"
    },
}
```

```
      "beerDescription": "Lots of wheat and oats and touch of lactose for creamy body and there  
you go - crazy wheat beer! Silky and smooth, it really feels like a beach cake punch."  
    },  
    {  
      "id": 23,  
      "beerName": "APA",  
      "brewery": 15,  
      "price": 1.89,  
      "alcoholPercentage": {  
        "percentage": 5.6,  
        "percentageRange": 1  
      },  
      "types": [  
        1  
      ],  
      "beerCover": {  
        "location": "sierra-nevada-apa.png",  
        "alternative": "Sierra Nevada APA"  
      },  
      "beerDescription": "Sierra Nevada Pale Ale is a delightful example of the classic pale ale  
style. It has a deep amber color and a exceptionally full-bodied, complex character. The fragrant  
bouquet and spicy flavor are the results of the generous use of the best Cascade hops."  
    },  
    {  
      "id": 24,
```

```
    "beerName": "Cream Ca",
    "brewery": 16,
    "price": 1.20,
    "alcoholPercentage": {
      "percentage": 5.0,
      "percentageRange": 1
    },
    "types": [
      2
    ],
    "beerCover": {
      "location": "summer-solstice-cream.png",
      "alternative": "Summer Solstice Cream Ale"
    },
    "beerDescription": "Summer Solstice is a slightly sweet, malty session beer with a creamy
mouth feel and clean finish. With hints of caramel in the nose and a touch of spice, it's become
affectionately known as “summer in a can”. The unique flavors and superior drinkability make for
the ultimate refreshment on a hot summer day."
  },
  {
    "id": 25,
    "beerName": "SW APA",
    "brewery": 8,
    "price": 1.39,
    "alcoholPercentage": {
```



```
        "percentage": 5.0,

        "percentageRange": 1

    },

    "types": [

        1

    ],

    "beerCover": {

        "location": "sweet-water-apa.jpg",

        "alternative": "SweetWater APA"

    },

    "beerDescription": "SweetWater 420 Extra Pale Ale is a tasty West Coast Style Pale Ale
with a stimulating hops character and a crisp finish. Brewed with Munich, 40L, and 2-Row malts and
Centennial and Cascade hops."

    },

    {

        "id": 26,

        "beerName": "SW IPA",

        "brewery": 8,

        "price": 1.69,

        "alcoholPercentage": {

            "percentage": 9.1,

            "percentageRange": 2

        },

        "types": [

            7
```

```
    ],  
    "beerCover": {  
      "location": "sweet-water-ipa.jpg",  
      "alternative": "SweetWater IPA"  
    },  
    "beerDescription": "SweetWater endowed this straight up juice bomb with a double dry hop  
of Mosaic, Citra, El Dorado and Azacca for a blast of mango, stone fruit, lime and pine. It's not  
a mirage, but a tasty refreshing oasis in your pursuit of haziness."  
  },  
  {  
    "id": 27,  
    "beerName": "VP Pils",  
    "brewery": 18,  
    "price": 0.99,  
    "alcoholPercentage": {  
      "percentage": 5.3,  
      "percentageRange": 1  
    },  
    "types": [  
      4  
    ],  
    "beerCover": {  
      "location": "victory-prima-pils.png",  
      "alternative": "Victory Prima Pils"  
    },  
  },  
]
```

```
    "beerDescription": "A crisp yet distinct Pilsner brewed with German hops that bring vivid
notes of floral and spice with citrus and lemon. This is truly brilliant, bringing nuanced
complexity together with smooth, easy drinking."

  },

  {

    "id": 28,

    "beerName": "Weiss",

    "brewery": 17,

    "price": 1.19,

    "alcoholPercentage": {

      "percentage": 5.5,

      "percentageRange": 1

    },

    "types": [

      5, 6

    ],

    "beerCover": {

      "location": "weihenstephaner-weiss.jpg",

      "alternative": "Weihenstephaner Weissbier"

    },

    "beerDescription": "Weihenstephaner's Hefe Weiss is an impressive Weissbier brewed by the
world's oldest operational brewery. This unfiltered Wheat beer pours cloudy pale with a bouquet
full of fruity, fresh scents accompanied by intense wheat and spice notes, including coriander,
clove and nutmeg."

  },
```

```
{
  "id": 29,
  "beerName": "Creamee",
  "brewery": 19,
  "price": 1.49,
  "alcoholPercentage": {
    "percentage": 5.1,
    "percentageRange": 1
  },
  "types": [
    2
  ],
  "beerCover": {
    "location": "genesee-cream.jpg",
    "alternative": "Genesee Cream Ale"
  },
  "beerDescription": "The goal was simple: brew a beer that's smooth like a lager and crisp like an ale. That's how Genesee created a true American original in Cream Ale. This award-winning beer has been the style standard since it was first brewed in 1960 and remains just as smooth and flavorful as it's always been. Year-round Favorite!"
},
{
  "id": 30,
  "beerName": "Dayblazer",
  "brewery": 11,
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"price": 1.09,  
  
"alcoholPercentage": {  
  "percentage": 4.8,  
  "percentageRange": 1  
},  
  
"types": [  
  2  
],  
  
"beerCover": {  
  "location": "newbelgium-dayblazer-cream.png",  
  "alternative": "New Belgium Dayblazer"  
},  
  
"beerDescription": "A deliciously refreshing golden ale, at 4.8% ABV, brewed with the  
finest malts and hops giving a sweet crisp citrus finish with just a hint of honey."  
},  
  
{  
  "id": 31,  
  "beerName": "Ayahuasca",  
  "brewery": 3,  
  "price": 2.75,  
  "alcoholPercentage": {  
    "percentage": 6,  
    "percentageRange": 1  
  },  
  
  "types": [  

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    9

  ],

  "beerCover": {

    "location": "ayahuasca.png",

    "alternative": "Ayahuasca"

  },

  "beerDescription": "Liana which heals and purifies the mind and body and has
transcendental powers. Inspired by Ayahuasca, our brewing shamans made Jungle Ale and added a
fruit that carries a pleasant bitterness and strong aroma. The magical ingredient of our Ayahuasca
are powerful juniper seeds whose astringency we have soothed with a little orange peel added to
the whirlpool."

},

{

  "id": 32,

  "beerName": "Fly Dog",

  "brewery": 3,

  "price": 3,

  "alcoholPercentage": {

    "percentage": 6.6,

    "percentageRange": 1

  },

  "types": [

    7

  ],

  "beerCover": {
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        "location": "flying-dogma.png",  
        "alternative": "Flying Dogma"  
    },  
    "beerDescription": "FLYING DOGMA is the first Serbian-American kraft collaboration and the fulfillment of our dreams! Our guest at the time was Matt Brophy, the main brewer of the legendary American Flying Dog brewery from Maryland, and with the use of hops that had not been used in Serbia until then, the powerful Galaxy, we created a balanced and dry IPA fantastic aroma. Although Matt did not keep us company during this cooking, he was happy that we are reviving the magic from almost two years ago!"  
},  
{  
    "id": 33,  
    "beerName": "Hazy Rocket",  
    "brewery": 3,  
    "price": 2.25,  
    "alcoholPercentage": {  
        "percentage": 6.4,  
        "percentageRange": 1  
    },  
    "types": [  
        7  
    ],  
    "beerCover": {  
        "location": "hazy-rocket.png",  
        "alternative": "Hazy Rocket"
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```
    },  
    "beerDescription": "Golden yellow and cloudy beer from which the palate explodes, and then  
the aromas of tropical fruits and oranges die from it! A special strain of yeast, a large  
proportion of oats and wheat flakes with FOUR TIMES more hops than our most intoxicating beer!"  
  },  
  {  
    "id": 34,  
    "beerName": "Pumpkin",  
    "brewery": 3,  
    "price": 2.5,  
    "alcoholPercentage": {  
      "percentage": 6,  
      "percentageRange": 1  
    },  
    "types": [  
      1  
    ],  
    "beerCover": {  
      "location": "hollow-pumpkin.png",  
      "alternative": "Hollow Pumpkin"  
    },  
    "beerDescription": "Hollow Pumpkin is a pumpkin ale that seduces with the fine scents of  
cloves and cinnamon, less bitterness, fuller taste and 6% alcohol! It is a special, limited,  
seasonal beer, and if you do not try it these days, you will have to wait until next fall."  
  },
```



```
{
  "id": 35,
  "beerName": "Juice UP",
  "brewery": 3,
  "price": 2.79,
  "alcoholPercentage": {
    "percentage": 8.5,
    "percentageRange": 2
  },
  "types": [
    7
  ],
  "beerCover": {
    "location": "juice-up.png",
    "alternative": "Juice It Up"
  },
  "beerDescription": "What can we learn about him from the name? That a glass of this beer
is a crazy party of tropical fruits and citrus. And it is! That tropical aromas are obtained by
double dry hops - please! That the beer is soft to the touch and strong in taste. Hops: Citra
Incognito, Galaxy, Citra and El dorado. Malt: barley, wheat and oats."
}
```