

Uvod

Korišćeni programski jezici

Jezici koji su se koristili za izradu sajta: HTML, CSS, JS i SCSS. Za biblioteke imamo jQuery, slick (jQuery plugin) i kao CSS framework Bootstrap. Nije korišćen template. Kao okruženje je koriscen VS-Code, Git za source control i GitHub za hostovanje. Sav JS kod je originalan.

Opis funkcionalnosti:

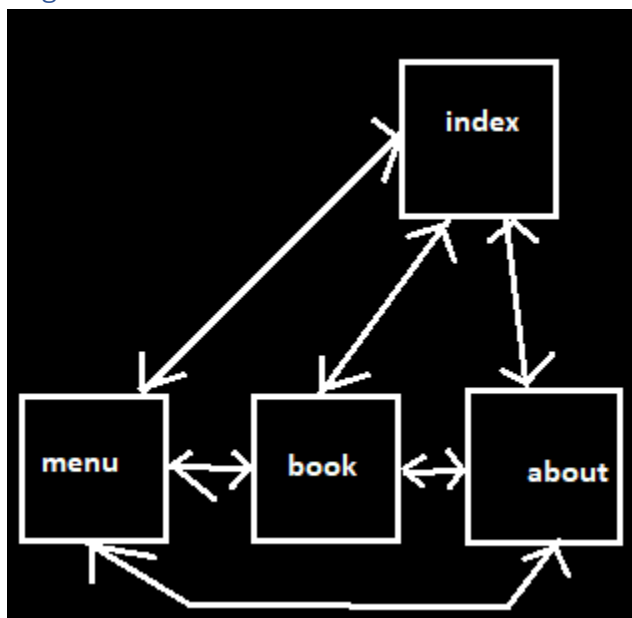
Navigicija je dinamički generisana na svakoj stranici. Home page sadrži dinamičko generisanu galeriju. Generisana je pomoću običnog JS-a (JS u nastavku), a funkcionalnost galeriji daje slick (jQuery plugin). Menu stranica sadrži dinamički generisani meni u obliku kartica. Ove kartice mogu da se filtriraju klikom na dugmice po vrsti obroka i da li su vegeterijanski ili ne. Generisano je sa JS-om. Booking stranica sadrži formu koja ima validaciju napisanu pomoću JS-a. Dinamički generisani dropdown. Na nekoliko mesta na sajtu postoje jednostavne animacije napravljene pomoću jQuery-a.

Template

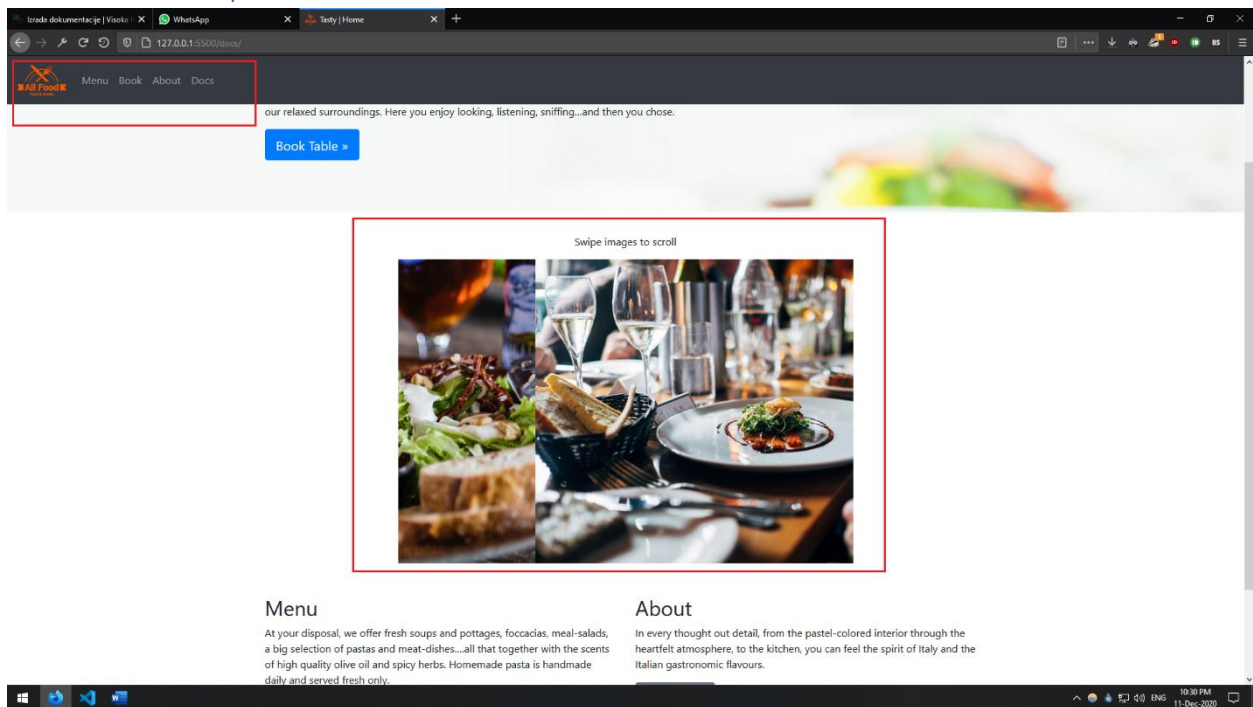
Template nije korišćen.

Organizacija

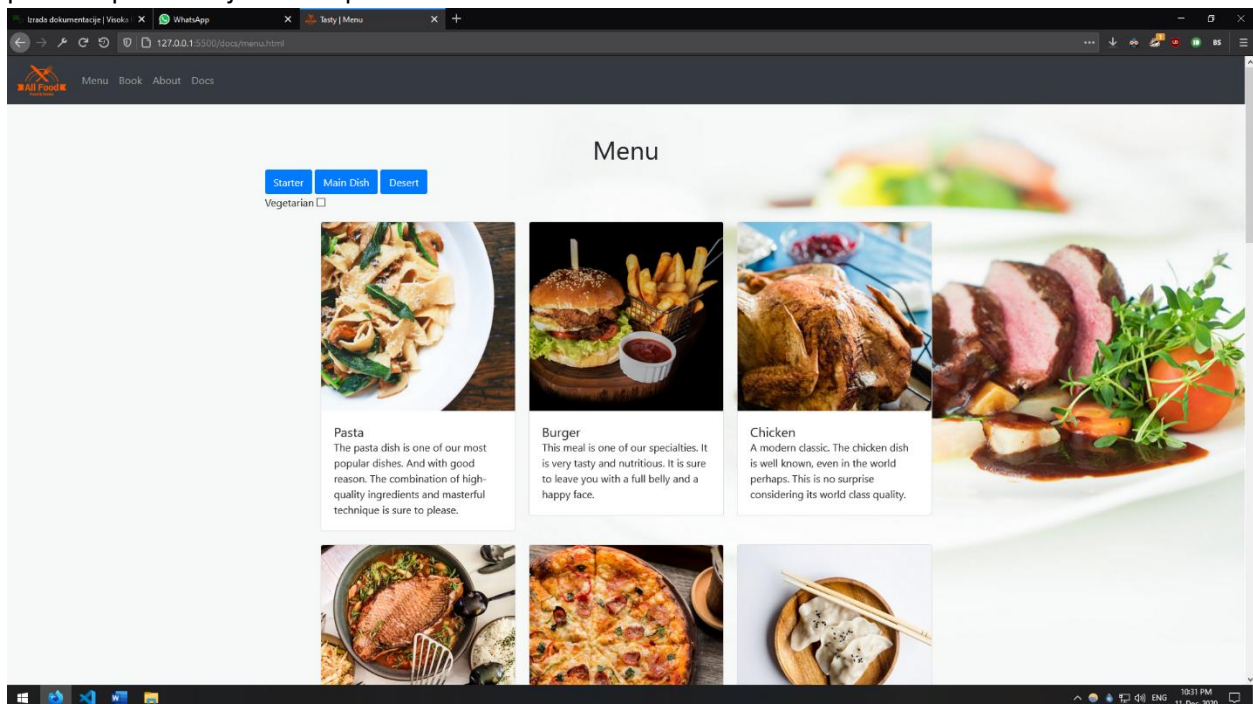
Organizaciona šema



Slike stranica i opisi funkcionalnosti



Index stranica ima dinamičko generisanu navigaciju i dinamičko generisanu galeriju koja se pregleda pomoću prevlačenja miša ili prsta.



Meni stranica ima dinamičko generisanje kratak sa stvarima menija. Karte su generisane iz podataka a opisi su nasumično generisani pomoću algoritma. Koristi se klikanjem na dugmce.

Booking stranica ima veliku formu koja je validirana na klijentskoj strani. Za validaciju se koristi JS i nekoliko Regular Expresion-a. Dinamicki generisan dropdown.

Svi kodovi su originalni.

[illegible]

```

    $(".a1").animate(
    {
        opacity: 1,
    },
    1000
    );
});

```

index.js

```

/* Generates the images for the jQuery "slick" plugin. Initiates "slick". */
let numberOfImages = 4;
let slick = document.querySelector(".main__slick");
for (let i = 0; i < numberOfImages; i++) {
    let slickImage = createImage(i);
    slick.appendChild(slickImage);
}
function createImage(i) {
    let slickImage = document.createElement("img");
    slickImage.setAttribute("src", `img/slick${i + 1}.jpg`);
    slickImage.classList.add("main__slick-img");
    return slickImage;
}
$(".main__slick").slick({
    arrows: false,
});

```

book.js

```

/* Declare variables and eventListeners */
let formIsValid = [false, false, false, false, false, false, false];

// client info
let fullName = document.querySelector("#fullName");
let email = document.querySelector("#email");
let phone = document.querySelector("#phone");
fullName.addEventListener("blur", validateFullName);
email.addEventListener("blur", validateEmail);
phone.addEventListener("blur", validatePhone);

// reservation date
let date = document.querySelector("#date");
let time = document.querySelector("#time");
date.addEventListener("blur", validateDate);
time.addEventListener("blur", validateTime);

// reservation info
let table = document.querySelector("#table");
table.addEventListener("blur", validateTable);

```

```

table.addEventListener("change", validateTable);
let people = document.querySelector("#people");
people.addEventListener("blur", validatePeople);

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
/* Generate dropdown dynamically from data and declare the CSS function
let tabelTypesData = ["Indoor", "Garden", "Rooftop"];
tabelTypesData.forEach((tableType) => {
    let newOption = document.createElement("option");
    newOption.setAttribute("value", tableType);
    newOption.textContent = tableType;
    table.appendChild(newOption);
});

function validationCSSToggle(inputElement, tooltipElement, inputIsValid) {
    if (!inputIsValid) {
        inputElement.classList.add("is-invalid");
        inputElement.classList.remove("is-valid");
        if (tooltipElement.classList.contains("d-
none")) tooltipElement.classList.remove("d-none");
    } else {
        inputElement.classList.add("is-valid");
        inputElement.classList.remove("is-invalid");
        if (!tooltipElement.classList.contains("d-
none")) tooltipElement.classList.add("d-none");
    }
}

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
/* If there is value in any of the input on load call validation functions
$(document).ready(function () {
    //! Call validation functions if they have any value
    if (fullName.value) validateFullName();
    if (email.value) validateEmail();
    if (phone.value) validatePhone();
    if (date.value) validateDate();
    if (time.value) validateTime();
    if (people.value) validatePeople();
});

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
/* Validation functions for each input
function validateFullName() {
    let fullNameTooltip = document.querySelector("#fullName-invalid");
    if (!/^[A-Z]\w* [A-Z]\w*/.test(fullName.value)) {

```

```

        validationCSSToggle(fullName, fullNameTooltip, false);
        formIsValid[0] = false;
    } else {
        validationCSSToggle(fullName, fullNameTooltip, true);
        formIsValid[0] = true;
    }
}
function validateEmail() {
    let emailTooltip = document.querySelector("#email-invalid");
    if (!/^$S*@\.*\.\w*$/i.test(email.value)) {
        validationCSSToggle(email, emailTooltip, false);
        formIsValid[1] = false;
    } else {
        validationCSSToggle(email, emailTooltip, true);
        formIsValid[1] = true;
    }
}
function validatePhone() {
    let phoneTooltip = document.querySelector("#phone-invalid");
    if (!/^$d{3}$[d -]{5,8}$/.test(phone.value)) {
        validationCSSToggle(phone, phoneTooltip, false);
        formIsValid[2] = false;
    } else {
        validationCSSToggle(phone, phoneTooltip, true);
        formIsValid[2] = true;
    }
}
function validateDate() {
    let dateTooltip = document.querySelector("#date-invalid");
    if (!/^$d{2}$-d{2}$-d{4}$/.test(date.value)) {
        validationCSSToggle(date, dateTooltip, false);
        formIsValid[3] = false;
    } else {
        validationCSSToggle(date, dateTooltip, true);
        formIsValid[3] = true;
    }
}
function validateTime() {
    let timeTooltip = document.querySelector("#time-invalid");
    if (!/^$d{2}$:d{2}$/.test(time.value)) {
        validationCSSToggle(time, timeTooltip, false);
        formIsValid[4] = false;
    } else {
        validationCSSToggle(time, timeTooltip, true);
        formIsValid[4] = true;
    }
}

```

```

    }
}
function validateTable() {
    let tableTooltip = document.querySelector("#table-invalid");
    if (table.selectedIndex === 0) {
        validationCSSToggle(table, tableTooltip, false);
        formIsValid[5] = false;
    } else {
        validationCSSToggle(table, tableTooltip, true);
        formIsValid[5] = true;
    }
}
function validatePeople() {
    let peopleTooltip = document.querySelector("#people-invalid");
    if (people.value < 2 || people.value > 12) {
        validationCSSToggle(people, peopleTooltip, false);
        formIsValid[6] = false;
    } else {
        validationCSSToggle(people, peopleTooltip, true);
        formIsValid[6] = true;
    }
}

////////////////////////////////////
// * Check if all inputs are valid when button is clicked
let btn = document.querySelector("#form-button");
let text = document.querySelector("#success-text");
btn.addEventListener("click", validateForm);
function validateForm() {
    if (formIsValid.includes(false)) {
        ///! Call validation functions
        validateFullName();
        validateEmail();
        validatePhone();
        validateDate();
        validateTime();
        validateTable();
        validatePeople();
        validateTable();
        text.classList.add("d-none");
    } else {
        text.classList.remove("d-none");
    }
}
}

```

menu.js

```
let menuContent = document.querySelector(".menu__content");
let vegToggle = false;
let lastType;
document.querySelector("#starter").addEventListener("click", drawMenu);
document.querySelector("#main").addEventListener("click", drawMenu);
document.querySelector("#desert").addEventListener("click", drawMenu);
document.querySelector("#veg").addEventListener("click", toggleVeg);

function toggleVeg(e) {
  vegToggle = !vegToggle;
  drawMenu(e);
}

function drawMenu(e) {
  let buttonClicked = e.target.id;
  menuContent.innerHTML = "";
  for (let i = 0; i < data.length; i++) {
    let newDishType = data[i].split(" ")[1];
    let newDishVeg = data[i].split(" ")[2];
    if (buttonClicked !== "veg") {
      if (newDishType !== buttonClicked) continue;
    } else {
      if (newDishType !== lastType) continue;
    }
    if (vegToggle) {
      if (newDishVeg !== vegToggle) continue;
    }
    menuContent.appendChild(createDish(i));
  }
  if (buttonClicked !== "veg") lastType = buttonClicked;
}

let data = [
  "pasta main 1",
  "burger main 0",
  "chicken main 0",
  "fish main 0",
  "pizza main 1",
  "dumplings starter 0",
  "salad starter 1",
  "corn starter 1",
  "pancake desert 1",
  "pudding desert 0",
  "beef main 0",
```



```

    "bread starter 1",
    "crepe desert 0",
    "cupcake desert 0",
    "doughnut desert 1",
    "lamb main 0",
    "shrimp main 0",
  ];

  for (let i = 0; i < data.length; i++) {
    menuContent.appendChild(createDish(i));
  }

  function createDish(i) {
    let splitDataString = data[i].split(" ");
    let name = splitDataString[0];
    let imgSrc = `img/cards/${splitDataString[0]}.jpg`;
    let newDishMarkup = `
      <div class="card menu__card">
        
        <div class="card-body">
          <h5 class="card-title menu__title">${name}</h5>
          <p class="card-text">${generateDesc(name)}</p>
        </div>
      </div>
    `;
    let newDish = document.createElement("div");
    newDish.innerHTML = newDishMarkup;
    return newDish;
  }

  function generateDesc(name) {
    let descriptions = [
      `This meal is one of our specialties. It is very tasty and nutritious. It is sure to leave you with a full belly and a happy face.`,
      `The ${name} dish is one of our most popular dishes. And with good reason. The combination of high-quality ingredients and masterful technique is sure to please.`,
      `The ${name} dish is one of our award nominated dishes. Nominated by our lovely customers for one of their favorite dishes.`,
      `A modern classic. The ${name} dish is well known, even in the world perhaps. This is no surprise considering its world class quality.`,
    ];
    return descriptions[getRandomInt(0, 3)];
  }

```

```
function getRandomInt(min, max) {
  min = Math.ceil(min);
  max = Math.floor(max);
  return Math.floor(Math.random() * (max - min + 1)) + min;
}
```

Scss:

```
/* Color var and bacground image mixin
$color: #ff5500;
@mixin bg {
  background-image: url(../img/h1_hero.png);
  background-position: center;
  background-size: cover;
  background-attachment: fixed;
}

////////////////////////////////////
/* Global CSS
* {
  margin: 0;
  padding: 0;
}
body {
  min-height: 100vh;
  padding-top: 70px;
}
.nav {
  &__logo {
    width: 75px;
    height: auto;
  }
}

////////////////////////////////////
/* Index/Home CSS
.main {
  &__slick {
    max-width: 95%;
    width: 700px;
  }
  &__bg {
    @include bg;
  }
}
```

```

////////////////////////////////////
/* Menu CSS
.menu {
  &__card {
    width: 300px;
    margin: 10px;
  }
  &__title {
    margin-bottom: 0;
    text-transform: capitalize;
  }
  &__body {
    @include bg;
  }
}
.card-img-top {
  height: 30vh;
  object-fit: cover;
}

////////////////////////////////////
/* Booking CSS
.booking-bg {
  @include bg;
}

////////////////////////////////////
/* About CSS
.about {
  &__img {
    width: 500px;
    border: 3px solid $color;
    @media only screen and (max-width: 990px) {
      width: 350px;
    }
  }
}

////////////////////////////////////
/* Misc CSS
.a1 {
  opacity: 0;
}

```

Index.html

```

<!DOCTYPE html>
<html lang="en">

```

```

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Tasty | Home</title>
  <meta name="description" content="Tasty is one the best restaurants around. Come and see for yourself and taste the amazing food.">
  <meta name="keywords" content="tasty food healthy restaurant">
  <link rel="shortcut icon" href="img/logo.png" type="image/x-icon">
  <link
    rel="stylesheet"
    href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
    integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
    crossorigin="anonymous"
  />
  <link rel="stylesheet" type="text/css" href="//cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css"/>
  <link rel="stylesheet" href="css/main.css" />
</head>

<body>
  <div id="nav"></div>
  <main class="main">
    <div class="jumbotron main_bg">
      <div class="container">
        <h1 class="display-3">The Best Food Around!</h1>
        <p class="pr-5 a1">
          Sometimes in life as in the kitchen, it is necessary to shake up and
          awaken the senses. For good flavour on the plate, you need pepper. For good taste
          in you and around you, you need, Tasty!

          Restaurant-
          Trattoria Tasty is located in the heart of Central Belgrade, where every guest feels
          at home in the our relaxed surroundings.

          Here you enjoy looking, listening, sniffing...and then you chose.
        </p>
        <p><a class="btn btn-primary btn-lg a1" href="book.html">Book Table &raquo;</a></p>
      </div>
    </div>

    <div class="container mb-5">
      <p class="text-center">Swipe images to scroll</p>

```

```

    <div class="row justify-content-center">
      <div class="main__slick"></div>
    </div>
  </div>

  <div class="container">
    <div class="row">
      <div class="col-md-6">
        <h2>Menu</h2>
        <p>
          At your disposal, we offer fresh soups and pottages, foccacias, mea
l-salads, a big selection of pastas and meat-
dishes...all that together with the scents of high quality olive oil and spicy her
bs. Homemade pasta is handmade daily and served fresh only.
        </p>
        <p><a class="btn btn-
secondary" href="menu.html"">View details &raquo;</a></p>
      </div>
      <div class="col-md-6">
        <h2>About</h2>
        <p>
          In every thought out detail, from the pastel-
colored interior through the heartfelt atmosphere, to the kitchen, you can feel t
he spirit of Italy and the Italian gastronomic flavours.
        </p>
        <p><a class="btn btn-
secondary" href="about.html"">View details &raquo;</a></p>
      </div>
    </div>

    <hr />
  </div>

</main>
<footer class="container mt-5">
  <p class="text-center">&copy; Tasty 2020</p>
</footer>

<script
  src="https://code.jquery.com/jquery-3.5.1.min.js"
  integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0="
  crossorigin="anonymous"
></script>
<script type="text/javascript" src="//cdn.jsdelivr.net/npm/slick-
carousel@1.8.1/slick/slick.min.js"></script>

```

```

    <script
      src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
      integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
      crossorigin="anonymous"
    ></script>
    <script src="js/main.js"></script>
    <script src="js/index.js"></script>
  </body>
</html>

```

menu.html

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Tasty | Menu</title>
    <meta
      name="description"
      content="Tasty is one the best restaurants around. Come and see for yourself and taste the amazing food."
    />
    <meta name="keywords" content="tasty food healthy restaurant" />
    <link rel="shortcut icon" href="img/logo.png" type="image/x-icon" />
    <link
      rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
      integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="css/main.css" />
  </head>

  <body class="menu__body">
    <div id="nav"></div>
    <section class="menu mt-5">
      <h1 class="text-center">Menu</h1>
      <div class="container menu__buttons a1">
        <button id="starter" class="btn btn-primary">Starter</button>
        <button id="main" class="btn btn-primary">Main Dish</button>
        <button id="desert" class="btn btn-primary">Desert</button>
      </div>
    </section>
  </body>
</html>

```



```

<link
  rel="stylesheet"
  href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.c
ss"
  integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfiDPvg6uqKI2xXr2"
  crossorigin="anonymous"
/>
<link rel="stylesheet" href="css/main.css" />
</head>

<body class="booking-bg">
  <div id="nav"></div>
  <!-- form html start -->
  <div class="container mt-5">
    <h1 class="text-center">Book Table</h1>
    <!-- start of form -->
    <form class="form">
      <!-- client info -->
      <div class="form-group position-relative">
        <label for="fullName">Full Name: </label>
        <input placeholder="ex: Asuka Langley" class="form-
control" id="fullName" type="text" />
        <small id="fullName-invalid" class="from-text text-danger d-none">
          Full name must be two uppercase words with no numbers or symbols.
        </small>
      </div>
      <div class="form-group">
        <label for="email">Email: </label>
        <input placeholder="ex: johnson24@gmail.com" class="form-
control" id="email" type="email" />
        <small id="email-invalid" class="from-text text-danger d-none">
          Email must contain "@" and be a valid email address.
        </small>
      </div>
      <div class="form-group">
        <label for="phone">Phone number: </label>
        <input placeholder="ex: 066454676" class="form-
control" id="phone" type="tel" />
        <small id="phone-invalid" class="from-text text-danger d-none">
          Phone number must contain at least 8 digits.
        </small>
      </div>
      <!-- reservation date -->
      <div class="form-row">

```



```

        <div class="col">
            <div class="form-group">
                <label for="date">Reservation Date: </label>
                <input placeholder="ex: 17-09-2019" class="form-
control" id="date" type="input" />
                <small id="date-invalid" class="from-text text-danger d-none">
                    Invalid date format or date. Date format: dd-mm-yyyy.
                </small>
            </div>
        </div>
        <div class="col">
            <div class="form-group">
                <label for="time">Arrival Time: </label>
                <input placeholder="ex: 19:35" class="form-
control" id="time" type="input" />
                <small id="time-invalid" class="from-text text-danger d-none">
                    Invalid time format. Time format: hh:mm.
                </small>
            </div>
        </div>
    </div>
    <hr />
    <!-- reservation info -->

    <div class="form-row">
        <div class="col">
            <div class="form-group">
                <label for="people">No. of People: </label>
                <input placeholder="ex: 3" class="form-
control" id="people" type="number" />
                <small id="people-invalid" class="form-text text-danger d-none">
                    The minimum is 2 people and the maximum is 12 people.
                </small>
            </div>
        </div>
        <div class="col">
            <div class="form-group">
                <label for="table">Table Type: </label>
                <select name="table" id="table" class="form-control">
                    <option value="0">Select Table Type</option>
                </select>
                <small id="table-invalid" class="from-text text-danger d-
none"> Please select table type. </small>
            </div>
        </div>
    </div>

```

```

    </div>
    <!-- veg and allergy checkboxes -->
    <div class="form-check">
        <input class="form-check-input" id="veg" type="checkbox" />
        <label class="form-check-
label" for="veg">Are vegan options required? </label>
    </div>
    <div class="form-check">
        <input class="form-check-input" id="allergy" type="checkbox" />
        <label class="form-check-
label" for="allergy">Any allergy we need to be aware of? </label>
    </div>
    <hr />
    <!-- message and submit -->
    <div class="form-group">
        <label for="msg">Special Request: </label>
        <textarea class="form-control" name="msg" id="msg"></textarea>
    </div>
    <button id="form-button" type="button" class="btn btn-
primary">Submit</button>
    <p id="success-text" class="text-success d-none mt-
3">Table successfully booked.</p>
    </form>
</div>
<!-- form html end -->
<footer class="container mt-5">
    <p class="text-center">&copy; Tasty 2020</p>
</footer>
<script
src="https://code.jquery.com/jquery-3.5.1.min.js"
integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0="
crossorigin="anonymous"
></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.
min.js"
integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
crossorigin="anonymous"
></script>
<script src="js/main.js"></script>
<script src="js/book.js"></script>
</body>
</html>

```

About.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Tasty | About</title>
    <meta
      name="description"
      content="Tasty is one the best restaurants around. Come and see for yourself and taste the amazing food."
    />
    <meta name="keywords" content="tasty food healthy restaurant" />
    <link rel="shortcut icon" href="img/logo.png" type="image/x-icon" />
    <link
      rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
      integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkGIXeMed4M0jlIdPvg6uqKI2xXr2"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="css/main.css" />
  </head>
  <body class="booking-bg">
    <div id="nav"></div>
    <div class="container mt-5">
      <div class="row">
        <div class="col-md d-flex justify-content-center">
          
        </div>
        <div class="col-md">
          <p class="a1">
            Uroš Radulović - student. I am currently studying at ICT college in Belgrade. I like pretentious Japanese cartoons, complicated video games and the competitive Star Craft scene. I will hopefully become a full stack developer one day. I am also interested in UX design. Always check if the milk is in date.
          </p>
          <a class="btn btn-primary" href="https://nani-sore-0.github.io/portfolio_school/">Portfolio</a>
          <a class="btn btn-primary" href="https://github.com/Nani-Sore-0">Github</a>
          <a class="btn btn-primary" href="sitemap.xml">Sitemap</a>
        </div>
      </div>
    </div>
  </body>
</html>
```

```
        <a class="btn btn-primary" download href="docs.pdf">Docs</a>
    </div>
</div>
</div>
<footer class="container mt-5">
    <p class="text-center">&copy; Tasty 2020</p>
</footer>
<script
    src="https://code.jquery.com/jquery-3.5.1.min.js"
    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0="
    crossorigin="anonymous"
></script>
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.
min.js"
    integrity="sha384-
ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
    crossorigin="anonymous"
></script>
<script src="js/main.js"></script>
</body>
</html>
```