

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:

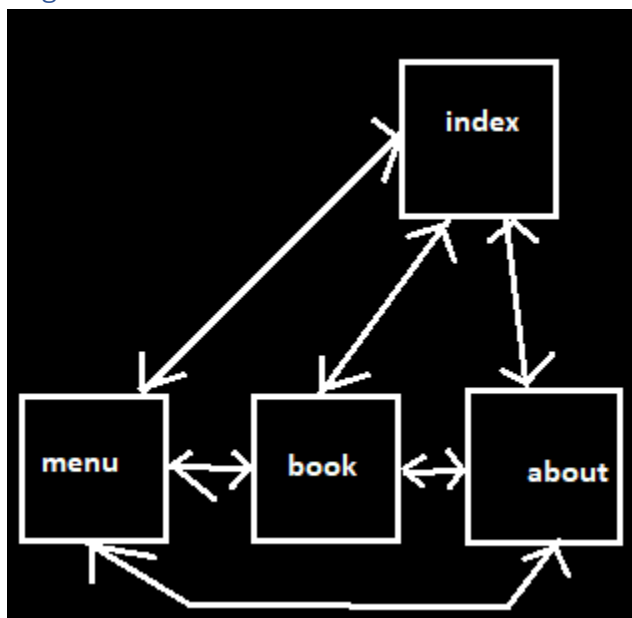
Navigicija je dinamički generisana na svakoj stranici. Home page sadrži dinamički generisanu galeriju. Generisana je pomoću običnog JS-a (JS u nastavku), a funkcionalnost galeriji daje slick (jQuery plugin). Menu stranica sadrži dinamički generisani meni u obliku kartica. Ove kartice mogu da se filtriraju 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

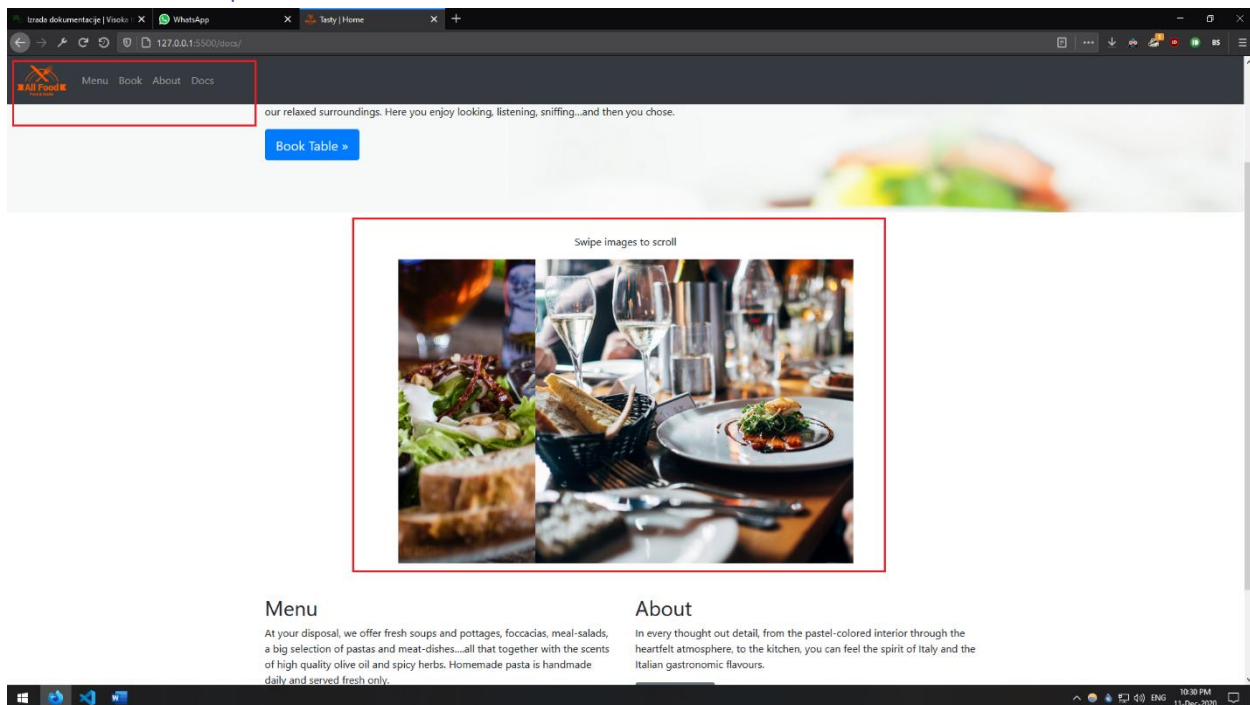
Template nije koriscen.

Organizacija

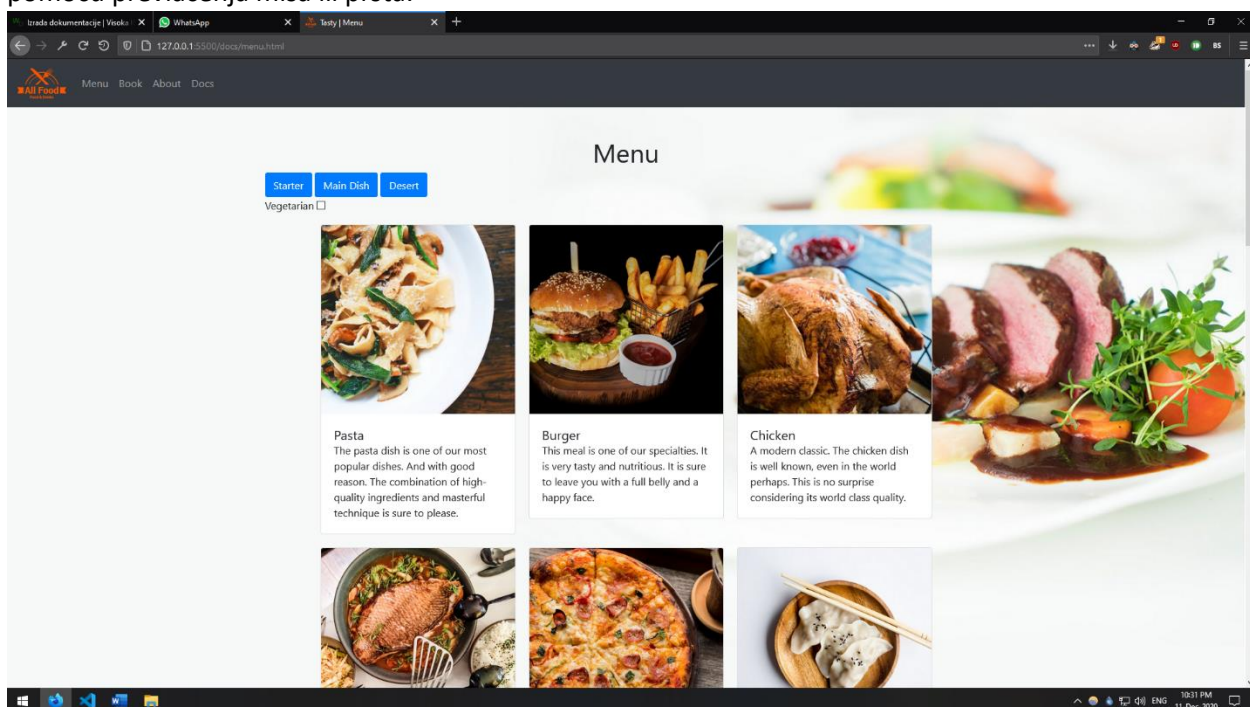
Organizaciona šema



Slike stranica i opisi funkcionalnosti



Index stranica ima dinamicko generisanu navigaciju i dinamicko generisanu galeriju koja se pregleda pomocu prevlacenja misa ili prsta.



Meni stranica ima dinamiko generisanje krata sa stvarima menija. Karte su generisanje iz podataka a opisi su nasumicno generisani pomocu algoritma. Koristi se klikanjem na dugmce.

Book Table

Full Name:

Email:

Phone number:

Reservation Date:

Arrival Time:

No. of People:

Table Type:

☐ Are vegan options required?

☐ Any allergy we need to be aware of?

Special Request:

© Tasty 2020

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

Kodovi

Svi kodovi su originalni.

JS

```

1  // JS code for all pages. Adds the navbar dynamically.
2  let navbarUp = 0;
3  <nav class="navbar navbar-expand-md navbar-dark fixed-top bg-dark"> <a class="navbar-brand" href="index.html">  </a> <button
4  class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarsDefault" aria-controls="navbarsDefault" aria-expanded="false" aria-label="Toggle navigation"> <span
5  href="menu.html">Menu</a> </li> <li class="nav-item"> <a class="nav-link" href="book.html">Book</a> </li> <li class="nav-item"> <a class="nav-link" href="docs.html">Docs</a> </li> <li
6  class="nav-item"> <a class="nav-link" href="docs.pdf">Docs</a> </li> </ul> </div> </nav>
7  document.getElementById("nav").innerHTML = navbarUp;
8  // jQuery Animations
9  $(() => {
10   $(".ai").animate(
11     {
12       opacity: 1,
13     },
14     1000
15   );
16 })
  
```



```
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book.js - web-prog-site - Visual Studio Code

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  > docs
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  > img
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  JS book.js
  JS index.js
  JS main.js
  JS menu.js
  JS about.html
  JS book.html
  JS index.html
  JS menu.html
  JS robots.txt
  > sitemap.xml
  > src
  > _book.scss
  > main.scss
  > readme.md

JS book.js
1 // book.js
2 // If there is value in any of the input on load call validation functions
3 $(document).ready(function () {
4   // Call validation functions if they have any value
5   if (fullName.value) validateFullName();
6   if (email.value) validateEmail();
7   if (phone.value) validatePhone();
8   if (date.value) validateDate();
9   if (time.value) validateTime();
10  if (people.value) validatePeople();
11 });
12
13 // Validation functions for each input
14 function validateFullName() {
15   let fullNameTooltip = document.querySelector("#fullName-invalid");
16   if (/^[A-Z]{1,3}[a-z]{1,3}$/.test(fullName.value)) {
17     validationCSSToggle(fullName, fullNameTooltip, false);
18     formIsValid[0] = false;
19   } else {
20     validationCSSToggle(fullName, fullNameTooltip, true);
21     formIsValid[0] = true;
22   }
23 }
24
25 function validateEmail() {
26   let emailTooltip = document.querySelector("#email-invalid");
27   if (/^[a-zA-Z0-9]{1,3}@[a-zA-Z0-9]{1,3}\.com$/.test(email.value)) {
28     validationCSSToggle(email, emailTooltip, false);
29     formIsValid[1] = false;
30   } else {
31     validationCSSToggle(email, emailTooltip, true);
32     formIsValid[1] = true;
33   }
34 }
35
36 function validatePhone() {
37   let phoneTooltip = document.querySelector("#phone-invalid");
38   if (/^[0-9]{10}$/.test(phone.value)) {
39     validationCSSToggle(phone, phoneTooltip, false);
40     formIsValid[2] = false;
41   } else {
42     validationCSSToggle(phone, phoneTooltip, true);
43     formIsValid[2] = true;
44   }
45 }
46
47 function validateDate() {
48   let dateTooltip = document.querySelector("#date-invalid");
49   if (/^[0-9]{2}-[0-9]{2}-[0-9]{4}$/.test(date.value)) {
50     validationCSSToggle(date, dateTooltip, false);
51     formIsValid[3] = false;
52   } else {
53     validationCSSToggle(date, dateTooltip, true);
54     formIsValid[3] = true;
55   }
56 }
57
58 function validateTime() {
59   let timeTooltip = document.querySelector("#time-invalid");
60   if (/^[0-9]{2}:[0-9]{2}$/.test(time.value)) {
61     validationCSSToggle(time, timeTooltip, false);
62     formIsValid[4] = false;
63   } else {
64     validationCSSToggle(time, timeTooltip, true);
65     formIsValid[4] = true;
66   }
67 }
68
69 function validateTable() {
70   let tableTooltip = document.querySelector("#table-invalid");
71   if (table.selectedIndex === 0) {
72     validationCSSToggle(table, tableTooltip, false);
73     formIsValid[5] = false;
74   } else {
75     validationCSSToggle(table, tableTooltip, true);
76     formIsValid[5] = true;
77   }
78 }
79
80 function validatePeople() {
81   let peopleTooltip = document.querySelector("#people-invalid");
82   if (people.value < 2 || people.value > 122) {
83     validationCSSToggle(people, peopleTooltip, false);
84     formIsValid[6] = false;
85   } else {
86     validationCSSToggle(people, peopleTooltip, true);
87     formIsValid[6] = true;
88   }
89 }
90
91 // Check if all inputs are valid when button is clicked
92 let btn = document.querySelector("#form-button");
93 let text = document.querySelector("#success-text");
94 btn.addEventListener("click", validateForm);
95
96 function validateForm() {
97   if (formIsValid.includes(false)) {
98     // Call validation functions
99     validateFullName();
100    validateEmail();
101    validatePhone();
102    validateDate();
103    validateTime();
104    validateTable();
105    validatePeople();
106  }
107 }
108
109 // Watchdog... Ln 1 Col 1 Spaces 2 UTF-8 CR LF JavaScript Port: 5500 Prettier ✓ 10:39 PM 11-Dec-2020
```

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22   }
23 }
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27   if (/^[a-zA-Z0-9]{1,3}@[a-zA-Z0-9]{1,3}\.com$/.test(email.value)) {
28     validationCSSToggle(email, emailTooltip, false);
29     formIsValid[1] = false;
30   } else {
31     validationCSSToggle(email, emailTooltip, true);
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49   if (/^[0-9]{2}-[0-9]{2}-[0-9]{4}$/.test(date.value)) {
50     validationCSSToggle(date, dateTooltip, false);
51     formIsValid[3] = false;
52   } else {
53     validationCSSToggle(date, dateTooltip, true);
54     formIsValid[3] = true;
55   }
56 }
57
58 function validateTime() {
59   let timeTooltip = document.querySelector("#time-invalid");
60   if (/^[0-9]{2}:[0-9]{2}$/.test(time.value)) {
61     validationCSSToggle(time, timeTooltip, false);
62     formIsValid[4] = false;
63   } else {
64     validationCSSToggle(time, timeTooltip, true);
65     formIsValid[4] = true;
66   }
67 }
68
69 function validateTable() {
70   let tableTooltip = document.querySelector("#table-invalid");
71   if (table.selectedIndex === 0) {
72     validationCSSToggle(table, tableTooltip, false);
73     formIsValid[5] = false;
74   } else {
75     validationCSSToggle(table, tableTooltip, true);
76     formIsValid[5] = true;
77   }
78 }
79
80 function validatePeople() {
81   let peopleTooltip = document.querySelector("#people-invalid");
82   if (people.value < 2 || people.value > 122) {
83     validationCSSToggle(people, peopleTooltip, false);
84     formIsValid[6] = false;
85   } else {
86     validationCSSToggle(people, peopleTooltip, true);
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96 function validateForm() {
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98     // Call validation functions
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102    validateDate();
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104    validateTable();
105    validatePeople();
106  }
107 }
108
109 // Watchdog... Ln 1 Col 1 Spaces 2 UTF-8 CR LF JavaScript Port: 5500 Prettier ✓ 10:39 PM 11-Dec-2020
```

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  web-prog-site
    index
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    i
    JS
      book.js
      index.js
      main.js
      menu.js
    about.html
    book.html
    index.html
    menu.html
    robots.txt
    sitemap.xml
  src: assets
    _bookAssets
    mainAssets
    readme.md

OUTLINE
TIMELINE

book.js
118 // book.js
119
120 let peopleTooltip = document.querySelector("#people-invalid");
121 if (people.value < 2 || people.value > 12) {
122   validationCSSToggle(people, peopleTooltip, false);
123   formIsValid(6) = false;
124 } else {
125   validationCSSToggle(people, peopleTooltip, true);
126   formIsValid(6) = true;
127 }
128 }
129
130 // Check if all inputs are valid when button is clicked
131 let btn = document.querySelector("#form-button");
132 let text = document.querySelector("#success-text");
133 btn.addEventListener("click", validateForm);
134 function validateForm() {
135   if (formIsValid.includes(false)) {
136     // Call validation functions
137     validateFullName();
138     validateEmail();
139     validatePhone();
140     validateDate();
141     validateTime();
142     validateTable();
143     validatePeople();
144     validateTable();
145     text.classList.add("d-none");
146   } else {
147     text.classList.remove("d-none");
148   }
149 }
150
151
```

```
File Edit Selection View Go Run Terminal Help
menu.js - web-prog-site - Visual Studio Code

EXPLORER
> OPEN EDITORS
  web-prog-site
    index
    docs
    js
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    i
    JS
      book.js
      index.js
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      menu.js
    about.html
    book.html
    index.html
    menu.html
    robots.txt
    sitemap.xml
  src: assets
    _bookAssets
    mainAssets
    readme.md

OUTLINE
TIMELINE

menu.js
1 // menu.js
2 let menuContent = document.querySelector("#menu_content");
3 let vegToggle = false;
4 let lastType;
5 document.querySelector("#starter").addEventListener("click", drawMenu);
6 document.querySelector("#main").addEventListener("click", drawMenu);
7 document.querySelector("#dessert").addEventListener("click", drawMenu);
8 document.querySelector("#veg").addEventListener("click", toggleVeg);
9
10 function toggleVeg(e) {
11   vegToggle = !vegToggle;
12   drawMenu(e);
13 }
14
15 function drawMenu(e) {
16   let buttonClicked = e.target.id;
17   menuContent.innerHTML = "";
18   for (let i = 0; i < data.length; i++) {
19     let newDishType = data[i].split(" ")[1];
20     let newDishVeg = data[i].split(" ")[2];
21     if (buttonClicked !== "veg") {
22       if (newDishType !== buttonClicked) continue;
23     } else {
24       if (newDishType !== lastType) continue;
25     }
26     if (vegToggle) {
27       if (newDishVeg !== vegToggle) continue;
28     }
29     menuContent.appendChild(createDish(i));
30   }
31   if (buttonClicked !== "veg") lastType = buttonClicked;
32 }
33
34 let data = [
35   "pasta main 1",
36   "burger main 0",
37   "chicken main 0",
38   "fish main 0",
39   "pizza main 1",
40   "dumplings starter 0",
41   "salad starter 1",
42   "corn starter 1",
43   "pancake dessert 1",
44   "pudding dessert 0",
45   "beef main 0",
46   "bread starter 1",
47   "crepe dessert 0",
48   "cupcake dessert 0",
49   "doughnut dessert 1",
50   "lamb main 0",
51 ]
```

```
JS menu.js: menu.js
100 // JS menu.js
101 // Create dessert 0,
102 // cupcake dessert 0,
103 // doughnut dessert 1,
104 // lamb main 0,
105 // shrimp main 0,
106 ];
107
108 for (let i = 0; i < data.length; i++) {
109   menuContent.appendChild(createDish(i));
110 }
111
112 function createDish(i) {
113   let splitDataString = data[i].split(" ");
114   let name = splitDataString[0];
115   let imgSrc = "img/cards/" + splitDataString[0] + ".jpg";
116   let newDishMarkup = `
117     <div class="card menu_card">
118       
119       <div class="card-body">
120         <h3 class="card-title menu_title">${name}</h3>
121         <p class="card-text">${generateDesc(name)}</p>
122       </div>
123     </div>
124   `;
125   let newDish = document.createElement("div");
126   newDish.innerHTML = newDishMarkup;
127   return newDish;
128 }
129
130 function generateDesc(name) {
131   let descriptions = [
132     '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.',
133     '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.',
134     'The ${name} dish is one of our award nominated dishes. Nominated by our lovely customers for one of their favorite dishes.',
135     'A modern classic. The ${name} dish is well known, even in the world perhaps. This is no surprise considering its world class quality.'
136   ];
137   return descriptions[getRandomInt(0, 3)];
138 }
139
140 function getRandomInt(min, max) {
141   min = Math.ceil(min);
142   max = Math.floor(max);
143   return Math.floor(Math.random() * (max - min + 1)) + min;
144 }
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CSS

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_base.scss: web-prog-ute - Visual Studio Code
1 // _base.scss
2 // Color var and background image mixin
3 $color: #f1f3f4;
4 $bg: #f1f3f4;
5 background-image: url(../img/h1_hero.png);
6 background-position: center;
7 background-size: cover;
8 background-attachment: fixed;
9
10
11 // Global CSS
12 * {
13   margin: 0;
14   padding: 0;
15 }
16
17 body {
18   min-height: 180vh;
19   padding-top: 70px;
20 }
21
22 .nav {
23   &_logo {
24     width: 75px;
25     height: auto;
26   }
27 }
28
29 // Index/Home CSS
30 .main {
31   &_click {
32     max-width: 95%;
33     width: 700px;
34   }
35   &_bg {
36     @include bg;
37   }
38 }
39
40 // Menu CSS
41 .menu {
42   &_card {
43     width: 300px;
44     margin: 10px;
45   }
46   &_title {
47     margin-bottom: 0;
48     text-transform: capitalize;
49   }
50 }
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```


The image shows a Visual Studio Code editor window with a file named 'index.html' open. The editor is displaying the HTML code for a restaurant website. The code is structured as follows:

```

<div class="row">
  <div class="col-md-6">
    <h2>Menu</h2>
    <p>
      At your disposal, we offer fresh soups and pottages, foccacias, meal-salads, a big selection of pastas and meat-dishes...all that together with the scents of high quality olive oil and spicy herbs. 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 the 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-V9ZvR5VBRwibpw/RkmTMVp/SsZ/SxLhLvgjSeRqefNWimOH/2VmX052B/LDIxU"
  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+j2jUwgK605/Rx4E9yAdquy02x+VJQ9w+UoM548+GAtc6086jxWagUr"
  crossorigin="anonymous">
</script>
<script src="js/main.js">
</script>
<script src="js/index.js">
</script>
</body>
</html>
```

 The left sidebar shows the Explorer view with a file tree containing 'index.html' and other files. The bottom status bar shows the current file is 'index.html' and the editor is in 'HTML' mode.

The screenshot shows a Visual Studio Code window with a web project named "menu.html". The Explorer sidebar on the left lists files: index.html, styles.css, menu.html, and various other assets. The main editor displays the code for menu.html, which is a single-page application using Bootstrap. The code includes a navbar, a main content area with a "Tasty | Menu" title, a description, keywords, a bootstrap trap, a veg checkbox, and a footer.

```

<!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@5.3/dist/css/bootstrap.min.css"
      integrity="sha384-YvECrOzQeN8UkZ9nEyIGTxmXJzwIaxWm32dOpWetgoUkwynMH/y6Eay8XD+PF/h5Ypd?"
      crossorigin="anonymous"
    />
    <link rel="stylesheet" href="css/main.css" />
  </head>
  <body class="menu_body">
    <div id="nav"></div>
    <section class="menu mt-5">
      <div class="text-center">Menu</div>
      <div class="container menu_buttons al">
        <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>
      <label for="veg">Vegetarian</label>
      <input type="checkbox" name="veg" id="veg" />
    </div>
    <div class="container">
      <div class="menu_content card-group justify-content-center"></div>
    </div>
    </section>
    <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="sha384-V8C4adMqYGwAMZBg9q6oEzd6QGtAallHHVQD5UMfVVZ73lYQ3S4ZH6AhL8PWhs7wcu2=="
      crossorigin="anonymous"
    ></script>
  </body>

```

```
menu.html - web-prog-site - Visual Studio Code

EXPLORER
  WEB-PROG-SITE
    assets
      css
      img
      js
    book.html
    index.html
    menu.html
    README.md
    webpack.config.js
    yarn.lock

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  menu.html
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The image shows a Visual Studio Code editor with a web form for booking a room. The form is displayed in a browser window, and the corresponding HTML code is visible in the background. The form includes fields for email, phone number, reservation date, arrival time, and the number of people. The code uses HTML5 validation attributes to ensure data integrity.

```
<!-- reservation form -->
<div class="form" >
  <div class="form-row">
    <div class="form-group">
      <label for="email">Email: </label>
      <input type="email" id="email" value="" />
      <small id="email-invalid" class="form-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 type="text" id="phone" value="" />
      <small id="phone-invalid" class="form-text text-danger d-none">
        Phone number must contain at least 8 digits.
      </small>
    </div>
  </div>
  <div class="form-row">
    <div class="form-group">
      <label for="date">Reservation Date: </label>
      <input type="text" id="date" value="" />
      <small id="date-invalid" class="form-text text-danger d-none">
        Invalid date format or date. Date format: dd-mm-yyyy.
      </small>
    </div>
    <div class="form-group">
      <label for="time">Arrival Time: </label>
      <input type="text" id="time" value="" />
      <small id="time-invalid" class="form-text text-danger d-none">
        Invalid time format. Time format: hh:mm.
      </small>
    </div>
  </div>
  <div class="form-row">
    <div class="form-group">
      <label for="people">No. of People: </label>
      <input type="text" id="people" value="" />
      <small id="people-invalid" class="form-text text-danger d-none">
        The minimum is 2 people and the maximum is 10 people.
      </small>
    </div>
  </div>
</div>
```

[illegible]

