

Internet Technology Practical Exam

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Q1: Create a form that takes data about a **Book**. The form must be well designed and should accept the **Book's name, Author, Price, Publisher, and Category**. At the submission of this form create a Book object in **JavaScript** filled with these values and log that object and equivalent **JSON** on the console.

(Use **HTML/CSS** to beautify the page)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>01 - Books</title>
  <style>
    body {
      display: grid;
      place-items: center;
      width: 100vw;
      height: 100vh;
      overflow: hidden;
      background-color: rgb(41, 41, 41);
      font-family: 'Trebuchet MS', sans-serif;
    }
    .form {
```

```
    display: grid;
    width: fit-content;
    background-color: rgb(241, 241, 241);
    margin: 20px;
    padding: 20px 50px;
    border-radius: 10px;
    box-shadow: 0px 0px 6px black;
  }
  label {
    font-size: 1.2rem;
    margin-top: 20px;
    margin-bottom: 8px;
    width: 250px;
  }
  input, select {
    padding: 7px 10px;
    border-radius: 5px;
    border: 2px solid rgb(192, 192, 192);
  }
  input:focus, select:focus {
    border: 2px solid rgb(75, 75, 75);
  }
  .btn {
    border: none;
    color: white;
    background-color: rgb(8, 93, 204);
    padding: 10px;
    cursor: pointer;
    margin: 10px 30px;
    font-size: 0.9rem;
  }
</style>
</head>
<body>
  <form class="form">
    <label for="name">Book's name: </label>
    <input type="text" name="name" id="name">
    <label for="author">Author: </label>
    <input type="text" name="author" id="author">
    <label for="price">Price: ₹ </label>
    <input type="number" step="0.01" name="price" id="price">
    <label for="publisher">Publisher: </label>
    <input type="text" name="publisher" id="publisher">
    <label for="category">Category: </label>
    <select name="category" id="category">
      <option value="fiction">Fiction</option>
```

```
    <option value="nfiction">Non-fiction</option>
  </select>
  <br>
  <input class="btn" type="submit" value="Submit">
</form>
<script>
  let counter = 0
  let books = {}
  let form = document.querySelector("form")
  let nameEl = document.getElementById("name")
  let authorEl = document.getElementById("author")
  let priceEl = document.getElementById("price")
  let publisherEl = document.getElementById("publisher")
  let categoryEl = document.getElementById("category")
  form.addEventListener('submit', (e) => {
    e.preventDefault();
    counter++
    let bookID = "book"+counter
    let name = nameEl.value
    let author = authorEl.value
    let price = priceEl.value
    let publisher = publisherEl.value
    let category = categoryEl.options[categoryEl.selectedIndex].value
    let book = {
      "name": name,
      "author": author,
      "price": price,
      "publisher": publisher,
      "category": category
    }
    books[bookID] = book
    console.log("Book: " + JSON.stringify(book, '\t', 2))
    console.log("Books: " + JSON.stringify(books, '\t', 2))
  })
</script>
</body>
</html>
```

Screenshots:

Book's name:

Harry Potter: The Philospher's Stone

Author:

JK Rowling

Price: ₹

249.89

Publisher:

Bloomsbury Ltd.

Category:

Fiction

Submit

Book's name:

Harry Potter: The Philospher's Stone

Author:

JK Rowling

Price: ₹

249.89

Publisher:

Bloomsbury Ltd.

Category:

Fiction

Submit

Elements

Console

Sources

4

Filter

Default levels

4

Book: {
 "name": "Harry Potter: The Philospher's Stone",
 "author": "JK Rowling",
 "price": "249.89",
 "publisher": "Bloomsbury Ltd.",
 "category": "fiction"
}
Books: {
 "book1": {
 "name": "Harry Potter: The Philospher's Stone",
 "author": "JK Rowling",
 "price": "249.89",
 "publisher": "Bloomsbury Ltd.",
 "category": "fiction"
 }
}

Elements

Console

Sources

4

Filter

Default levels

4

Book: {
 "name": "Harry Potter: The Philospher's Stone",
 "author": "JK Rowling",
 "price": "249.89",
 "publisher": "Bloomsbury Ltd.",
 "category": "fiction"
}
Books: {
 "book1": {
 "name": "Harry Potter: The Philospher's Stone",
 "author": "JK Rowling",
 "price": "249.89",
 "publisher": "Bloomsbury Ltd.",
 "category": "fiction"
 }
}

Q2: Create a HTML page for **Menu of Food Items** as per below instructions:

Veg Menu

Breakfast
 Item 1 ... 5
Lunch
 Item 1... 5
Dinner
 Item 1...5

In **Non-Veg Menu** replace one item from veg-menu with some non-veg alternative.
Add Eggs to the non-veg menu for Breakfast and Dinner.

There should be an option to switch between the veg and non veg menu.

(Use **HTML/CSS** to beautify the page and **jQuery** for dynamic changes)

* you can write items names by your choice

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scrip
t>
  <title>2 - Menus</title>
  <style>
    body {
      display: grid;
      place-items: center;
      font-family: 'Trebuchet MS', sans-serif;
      background-color: rgb(41, 41, 41);
    }
    .container {
      display: grid;
      width: fit-content;
      width: 60%;
      margin: 20px;
      padding: 20px 50px;
      border-radius: 10px;
      background-color: white;
      box-shadow: 0px 0px 6px black;
    }
    ul {
```

```
list-style: none;
}
li { margin: 5px; }
.switchBtn {
border: none;
color: white;
background-color: rgb(10, 136, 42);
padding: 10px;
cursor: pointer;
margin: 10px 30px;
font-size: 0.9rem;
border-radius: 5px;
}
</style>
</head>
<body>
<div class="container">
<h1 class="title">Veg Menu</h1>
<div class="menu">
<ul>
<li>
<h2>Breakfast</h2>
<ul class="breakfast">
<li>Poha</li>
<li>Samosa</li>
<li>Kachori</li>
<li>Dhokla</li>
<li>Aloo Paratha</li>
</ul>
</li>
<li>
<h2>Lunch</h2>
<ul class="lunch">
<li>Naan</li>
<li>Matar Paneer</li>
<li>Malai Kofta</li>
<li>Dal Tadka</li>
<li>Mushroom Sabzi</li>
</ul>
</li>
<li>
<h2>Dinner</h2>
<ul class="dinner">
<li>Tawa Roti</li>
<li>Kadhai Paneer</li>
<li>Masala Dosa</li>
<li>Mix Veg</li>
</ul>
</li>
</ul>
</div>
</div>
```

```
        <li>Veg Pulao</li>
      </ul>
    </li>
  </ul>
</div>
<button class="switchBtn">Switch</button>
</div>
<script>
  let toggle = true
  let temp1, temp2, temp3, temp4, temp5, temp6
  let eggs
  $('.switchBtn').click(() => {
    if(toggle) {
      temp1 = $('.breakfast li').last().detach()
      temp2 = $('.lunch li').last().detach()
      temp3 = $('.dinner li').last().detach()
      if(temp4 && temp5 && temp6){
        temp4.appendTo('.breakfast')
        temp5.appendTo('.lunch')
        temp6.appendTo('.dinner')
      }
      $('.breakfast').prepend($('<li class="egg"></li>').text('Egg'))
      $('.dinner').prepend($('<li class="egg"></li>').text('Egg'))

      $('.breakfast').append($('<li></li>').text('Chicken Soup'))
      $('.lunch').append($('<li></li>').text('Chicken Curry'))
      $('.dinner').append($('<li></li>').text('Biryani'))
      $('h1').text('Non-Veg Menu')
      toggle = false
    }
    else {
      let temp4 = $('.breakfast li').last().detach()
      let temp5 = $('.lunch li').last().detach()
      let temp6 = $('.dinner li').last().detach()
      temp1.appendTo('.breakfast')
      temp2.appendTo('.lunch')
      temp3.appendTo('.dinner')
      if($('.breakfast .egg')) $('.breakfast .egg').remove()
      if($('.dinner .egg')) $('.dinner .egg').remove()
      $('h1').text('Veg Menu')
      toggle = true
    }
  })
</script>
</body>
</html>
```

Screenshots:

