

Full Stack Application Development with MS Azure Cloud

Module 2 – Front-End Development Tools, Technologies and Frameworks

Lab Practical Manual

Unit 4 – Front-End Frameworks - Bootstrap

Topic: JS Properties - Solved question

Lab 8: Create a webpage that features a responsive navigation bar with a dropdown menu. Additionally, you want the dropdown menu to open on hover rather than click. Implement this using Bootstrap and JavaScript.

```
<!DOCTYPE html>
<html>
<head>
  <title>Responsive Navbar with Hover Dropdown</title>
  <!-- Include Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <!-- Include custom CSS -->
  <style>
    body {
      background-color: #f8f9fa;
      font-family: Arial, sans-serif;
    }
  </style>
</head>
<body>
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container">
      <a class="navbar-brand" href="#">My Website</a>
```

```

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNavDropdown">
    <ul class="navbar-nav ml-auto">
        <li class="nav-item dropdown">
            <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown"
role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
                Dropdown
            </a>
            <div class="dropdown-menu" aria-labelledby="navbarDropdown">
                <a class="dropdown-item" href="#">Item 1</a>
                <a class="dropdown-item" href="#">Item 2</a>
                <a class="dropdown-item" href="#">Item 3</a>
            </div>
        </li>
    </ul>
</div>
</div>
</nav>

<!-- Include Bootstrap JS and Popper.js -->
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- Custom JS -->
<script>
    // Open dropdown menu on hover
    $(document).ready(function() {

```

```

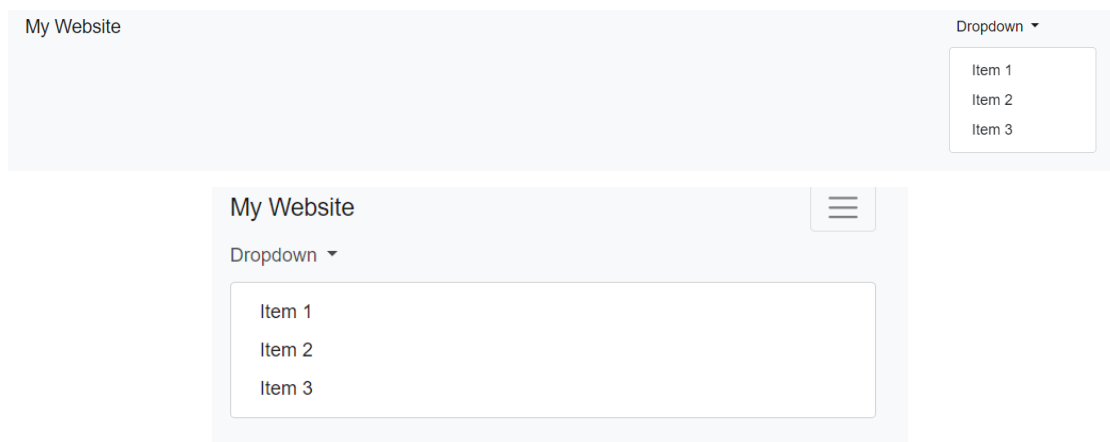
$( '.dropdown' ).hover(function() {
    $(this).find('.dropdown-menu').stop(true, true).delay(200).fadeIn(300);
}, function() {
    $(this).find('.dropdown-menu').stop(true, true).delay(200).fadeOut(300);
});

});

</script>
</body>
</html>

```

Output:



Unsolved Question

Lab 9: Create a webpage for a restaurant that offers an online reservation system. Create a form that allows users to select a reservation date and time. Implement a date and time picker using Bootstrap's Datepicker and Timepicker