Day 2: JavaScript/Bootstrap - Responsive Dashboard for Policy Management

Task 1: Create a dashboard layout with Bootstrap ensuring responsiveness across devices.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Dashboard</title>
  <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f8f9fa;
      color: #333;
    }

    .sidebar {
      height: 100vh;
      position: fixed;
      top: 0;
      left: 0;
      padding: 1rem;
      background-color: #343a40;
      color: white;
    }

    .sidebar a {
      color: white;
      text-decoration: none;
    }
```

```css
    .sidebar a:hover {

      color: #007bff;

    }


    .content {

      margin-left: 250px;

      padding: 1rem;

    }


    @media (max-width: 768px) {

      .sidebar {

        position: static;

        height: auto;

        margin-bottom: 1rem;

      }


      .content {

        margin-left: 0;

      }

    }

  </style>
</head>
<body>
  <div class="sidebar">

    <h3>Dashboard</h3>

    <ul class="nav flex-column">

      <li class="nav-item">

        <a class="nav-link" href="#">Home</a>

      </li>

      <li class="nav-item">
```

```html
      <a class="nav-link" href="#">Policies</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Claims</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Reports</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Settings</a>
    </li>
  </ul>
</div>

<div class="content">
  <div class="container-fluid">
    <h2>Welcome to the Policy Management Dashboard</h2>
    <div class="row">
      <div class="col-md-6 col-lg-4 mb-4">
        <div class="card">
          <div class="card-body">
            <h5 class="card-title">Policy Overview</h5>
            <p class="card-text">Details about policies.</p>
            <a href="#" class="btn btn-primary">View Details</a>
          </div>
        </div>
      </div>
      <div class="col-md-6 col-lg-4 mb-4">
        <div class="card">
          <div class="card-body">
            <h5 class="card-title">Claim Statistics</h5>
```

```
          <p class="card-text">Overview of claims.</p>

          <a href="#" class="btn btn-primary">View Details</a>

        </div>

      </div>

    </div>

    <div class="col-md-6 col-lg-4 mb-4">

      <div class="card">

        <div class="card-body">

          <h5 class="card-title">Reports</h5>

          <p class="card-text">Various reports.</p>

          <a href="#" class="btn btn-primary">View Details</a>

        </div>

      </div>

    </div>

   </div>

  </div>

 </div>

 <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

 <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>

 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>
```

Task 2: Utilize Bootstrap's JavaScript components like tabs and modals to enrich the policy management interface.

```
<div class="content">

 <div class="container-fluid">

  <h2>Welcome to the Policy Management Dashboard</h2>

  <ul class="nav nav-tabs mb-4" id="policyTabs" role="tablist">

   <li class="nav-item">

    <a class="nav-link active" id="home-tab" data-toggle="tab" href="#home" role="tab" aria-
controls="home" aria-selected="true">Home Insurance</a>
```

```html
    </li>
    <li class="nav-item">
      <a class="nav-link" id="auto-tab" data-toggle="tab" href="#auto" role="tab" aria-controls="auto" aria-selected="false">Auto Insurance</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" id="health-tab" data-toggle="tab" href="#health" role="tab" aria-controls="health" aria-selected="false">Health Insurance</a>
    </li>
  </ul>


  <div class="tab-content" id="policyTabsContent">
    <div class="tab-pane fade show active" id="home" role="tabpanel" aria-labelledby="home-tab">
      <!-- Content for Home Insurance -->
      <div class="row">
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card">
            <div class="card-body">
              <h5 class="card-title">Policy 1</h5>
              <p class="card-text">Details about Policy 1.</p>
              <a href="#" class="btn btn-primary">View Details</a>
            </div>
          </div>
        </div>
        <!-- Add more cards or content as needed -->
      </div>
    </div>
    <div class="tab-pane fade" id="auto" role="tabpanel" aria-labelledby="auto-tab">
      <!-- Content for Auto Insurance -->
      <p>Content for Auto Insurance policies.</p>
    </div>
    <div class="tab-pane fade" id="health" role="tabpanel" aria-labelledby="health-tab">
```

```html
    <!-- Content for Health Insurance -->

    <p>Content for Health Insurance policies.</p>

    </div>

  </div>

 </div>

</div>
```

Task 3: Enhance dashboard interactivity with JavaScript for policy sorting and detailed views.

```html
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <title>Responsive Dashboard with JavaScript Interactivity</title>

 <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">

 <style>

  body {

   font-family: Arial, sans-serif;

   background-color: #f8f9fa;

   color: #333;

  }


  .sidebar {

   height: 100vh;

   position: fixed;

   top: 0;

   left: 0;

   padding: 1rem;

   background-color: #343a40;

   color: white;

  }
```

```css
    .sidebar a {
      color: white;
      text-decoration: none;
    }

    .sidebar a:hover {
      color: #007bff;
    }

    .content {
      margin-left: 250px;
      padding: 1rem;
    }

    @media (max-width: 768px) {
      .sidebar {
        position: static;
        height: auto;
        margin-bottom: 1rem;
      }

      .content {
        margin-left: 0;
      }
    }
  </style>
</head>
<body>
  <div class="sidebar">
    <h3>Dashboard</h3>
```

```html
  <ul class="nav flex-column">

    <li class="nav-item">

      <a class="nav-link active" id="home-tab" data-toggle="tab" href="#home" role="tab" aria-controls="home" aria-selected="true">Home Insurance</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" id="auto-tab" data-toggle="tab" href="#auto" role="tab" aria-controls="auto" aria-selected="false">Auto Insurance</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" id="health-tab" data-toggle="tab" href="#health" role="tab" aria-controls="health" aria-selected="false">Health Insurance</a>

    </li>

  </ul>

</div>


<div class="content">

  <div class="container-fluid">

    <h2>Welcome to the Policy Management Dashboard</h2>

    <div class="tab-content" id="policyTabsContent">

      <div class="tab-pane fade show active" id="home" role="tabpanel" aria-labelledby="home-tab">

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

          <!-- Policy cards will be dynamically generated here -->

        </div>

      </div>

      <div class="tab-pane fade" id="auto" role="tabpanel" aria-labelledby="auto-tab">

        <p>Content for Auto Insurance policies.</p>

      </div>

      <div class="tab-pane fade" id="health" role="tabpanel" aria-labelledby="health-tab">

        <p>Content for Health Insurance policies.</p>

      </div>

    </div>
```

```html
      </div>

  </div>


  <!-- Modal for Policy Details -->
  <div class="modal fade" id="policyDetailsModal" tabindex="-1" role="dialog" aria-
labelledby="policyDetailsModalLabel" aria-hidden="true">

    <div class="modal-dialog modal-dialog-centered" role="document">

      <div class="modal-content">

        <div class="modal-header">

          <h5 class="modal-title" id="policyDetailsModalLabel">Policy Details</h5>

          <button type="button" class="close" data-dismiss="modal" aria-label="Close">

            <span aria-hidden="true">&times;</span>

          </button>

        </div>

        <div class="modal-body" id="policyDetailsContent">

          <!-- Policy details will be dynamically inserted here -->

        </div>

        <div class="modal-footer">

          <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

          <button type="button" class="btn btn-primary">Save changes</button>

        </div>

      </div>

    </div>

  </div>


  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

  <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

  <script>

    $(document).ready(function() {

      // Dummy data for policies
```

```javascript
var policies = [
  { name: "Policy 1", type: "Home Insurance", details: "Details about Policy 1." },
  { name: "Policy 2", type: "Home Insurance", details: "Details about Policy 2." },
  { name: "Policy 3", type: "Auto Insurance", details: "Details about Policy 3." },
  { name: "Policy 4", type: "Health Insurance", details: "Details about Policy 4." }
];


// Function to render policy cards
function renderPolicyCards(policies) {
  var html = '';
  policies.forEach(function(policy) {
    html += `
      <div class="col-md-6 col-lg-4 mb-4">
        <div class="card">
          <div class="card-body">
            <h5 class="card-title">${policy.name}</h5>
            <p class="card-text">${policy.details}</p>
            <a href="#" class="btn btn-primary" data-toggle="modal" data-target="#policyDetailsModal" data-policy='${JSON.stringify(policy)}'>View Details</a>
          </div>
        </div>
      </div>
    `;
  });
  $('#policyList').html(html);
}


// Initial rendering of policy cards
renderPolicyCards(policies);


// Sort policies by name
```

```javascript
$('#sortByName').click(function() {
  policies.sort(function(a, b) {
    var nameA = a.name.toUpperCase();
    var nameB = b.name.toUpperCase();
    if (nameA < nameB) {
      return -1;
    }
    if (nameA > nameB) {
      return 1;
    }
    return 0;
  });
  renderPolicyCards(policies);
});


// Sort policies by type
$('#sortByType').click(function() {
  policies.sort(function(a, b) {
    var typeA = a.type.toUpperCase();
    var typeB = b.type.toUpperCase();
    if (typeA < typeB) {
      return -1;
    }
    if (typeA > typeB) {
      return 1;
    }
    return 0;
  });
  renderPolicyCards(policies);
});
```

```javascript
      // Display policy details in modal
      $('#policyDetailsModal').on('show.bs.modal', function(event) {
        var button = $(event.relatedTarget);
        var policy = button.data('policy');
        var modal = $(this);
        modal.find('.modal-title').text(policy.name);
        modal.find('.modal-body').html(`<p>${policy.details}</p>`);
      });
    });
  </script>
</body>
</html>
```