## 1. Before import JS

```
<!DOCTYPE html>
<html lang="en">
<head>
       <meta charset="UTF-8">
        <link rel="stylesheet" href="static/plugins/bootstrap-5.3.0-alpha3/css/bootstrap.css">
               .container-fluid .col-sm-9 .media-left img {
                      height: 190px;
width: 190px;
       </style>
</head>
<nav class="navbar navbar-expand-lg bg-body-tertiary">
        <div class="container-fluid">
               <a class="navbar-brand" href="https://www.allaboutbirds.org/cams/">
                      <img src="https://www.allaboutbirds.org/cams/wp-content/themes/birdpress2/images/cornell-lab-logo.svg"
   width="95px" height="25px">
               <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"</pre>
                              aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
                       <span class="navbar-toggler-icon"></span>
               </button>
               <div class="collapse navbar-collapse" id="navbarNav">
                      class="nav-item">
                                      <a class="nav-link active" aria-current="page" href="https://www.allaboutbirds.org/cams/">Home</a>
                              class="nav-item">
                                      <a class="nav-link" href="https://www.allaboutbirds.org/guide/">Birds</a>
                              class="nav-item">
                                      <a class="nav-link" href="https://www.allaboutbirds.org/cams/">Live Cams</a>
                              <a class="nav-link">Courses</a>
                              class="nav-item dropdown">
                                      <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown"</pre>
                                           aria-expanded="false">
                                             Dropdown
                                      </a>
                                      <a class="dropdown-item" href="#">Action</a>
                                             <a class="dropdown-item" href="#">Another action</a>
                                             <
                                                     <hr class="dropdown-divider">
                                             <a class="dropdown-item" href="#">Something else here</a>
                                      </u1>
                      <form class="d-flex" role="search">
    <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
                       <br/>
<
               </form>
       </div>
</nav>
<div class="container-fluid clearfix">
       <div class="row">
               <div class="col-sm-9">
                      <div class="media row" style="margin-top: 6px">
                              <img class="media-object"
    src="https://www.allaboutbirds.org/guide/assets/photo/304479371-1280px.jpg"</pre>
                                                       alt="Great Blue Heron"
                                      </a>
                              </div>
                               <div class="media-body col-sm-9">
                                      <h4 class="media-heading">Great Blue Heron</h4>
Whether poised at a river bend or cruising the coastline with
                                      slow, deep wingbeats, the Great Blue Heron is a majestic sight.
This stately heron with its subtle blue-gray plumage often stands
                                     motionless as it scans for prey or wades belly deep with long, deliberate steps. They may move slowly, but Great Blue Herons can strike like lightning to grab a fish or snap up a gopher. In flight, look for this widespread heron's tucked-in neck and long legs
                                      trailing out behind.
                              </div>
                      </div>
                       <div class="media row" style="margin-top: 6px">
                              <div class="media-left col-sm-3">
                                      <a href="https://www.allaboutbirds.org/guide/Laughing_Gull">
    <img class="media-object"</pre>
                                                       src="https://www.allaboutbirds.org/guide/assets/photo/169503031-1280px.jpg" alt="Laughing Gull">
```

```
</a>
                       <div class="media-body col-sm-9">
                             <h4 class="media-heading">Laughing Gull</h4>
                             Swirling over beaches with strident calls and a distinctive, crisp
                             black head, Laughing Gulls provide sights and sounds evocative of
                            summer on the East Coast. You'll run across this handsome gull in large numbers at beaches, docks, and parking lots, where they wait for handouts or fill the air with their raucous calls. Laughing Gulls are summer visitors to the Northeast and year-round sights on the coasts
                             of the Southeast and the Gulf of Mexico.
                       </div>
                 </div>
                 <div class="media row" style="margin-top: 6px">
    <div class="media-left col-sm-3">
                            src="https://www.allaboutbirds.org/guide/assets/photo/308480441-1280px.jpg"
                                          alt="Sandwich Tern">
                             </a>
                       </div>
                       <div class="media-body col-sm-9">
   <h4 class="media-heading">Sandwich Tern</h4>
                            The Sandwich Tern is a sleek, medium-sized tern with a ragged black crest and a gleaming black bill with a sharp yellow tip. It's smaller and slimmer than a Royal Tern, a species it often nests alongside in busy, shrieking colonies along the barrier islands of the southeastern U.S.
                             (Its broad global range also includes the Caribbean, Latin America, Africa, and Europe.) Rarely found inland or out to sea, this is a bird of ocean
                             shores and estuaries, where it hunts small schooling fish.
                       </div>
                 </div>
           </div>
           <div class="col-sm-3" style="margin-top: 10px">
                 <div class="card">
                       <div class="card-header">
                             Card header text
                       </div>
<div class="card-body">
                             <blockquote class="blockquote mb-0">
                                   >
                                        Pumas are large, cat-like animals which are found in America. When reports came into London Zoo that
                                         a wild puma had been spotted forty-five miles south
                                        of London, they were not taken seriously. However, as the evidence began to accumulate, experts from the Zoo felt obliged to investigate, for the descriptions
                                         given by people who claimed to have seen the puma were
                                         extraordinarily similar.
                                   <footer class="blockquote-footer"> A puma at large
                                         <cite title="Source Title">new concept English</cite>
                                   </footer>
                             </blockquote>
                       </div>
                 </div
           </div>
     </div>
</div>
<div class="container-fluid" style="margin-top: 10px">
      <nav aria-label="Page navigation example">
           class="pagInation">
class="page-item"><a class="page-link" href="#">Previous</a>
class="page-item"><a class="page-link" href="#">1</a>
class="page-item"><a class="page-link" href="#">2</a>
class="page-item"><a class="page-link" href="#">3</a>

                 class="page-item"><a class="page-link" href="#">Next</a>
           </nav>
</div>
</html>
```



#### Great Blue Heron

Whether poised at a river bend or cruising the coastline with slow, deep wingbeats, the Great Blue Heron is a majestic sight. This stately heron with its subtle blue-gray plumage often stands motionless as it scans for prey or wades belly deep with long, deliberate steps. They may move slowly, but Great Blue Herons can strike like lightning to grab a fish or snap up a gopher. In flight, look for this widespread heron's tucked-in neck and long legs trailing out

### **Laughing Gull**

Swirling over beaches with strident calls and a distinctive, crisp black head, Laughing Gulls provide sights and sounds evocative of summer on the East Coast. You'll run across this handsome gull in large numbers at beaches, docks, and parking lots, where they wait for handouts or fill the air with their raucous calls. Laughing Gulls are summer visitors to the Northeast and year-round sights on the coasts of the Southeast and the Gulf of Mexico.



### Sandwich Tern

The Sandwich Tern is a sleek, medium-sized tern with a ragged black crest and a gleaming black bill with a sharp yellow tip. It's smaller and slimmer than a Royal Tern, a species it often nests alongside in busy, shrieking colonies along the barrier islands of the southeastern U.S. (Its broad global range also includes the Caribbean, Latin America, Africa, and Europe.) Rarely found inland or out to sea, this is a bird of ocean shores and estuaries, where it hunts small

#### Card header text

Pumas are large, cat-like animals which are found in America. When reports came into London Zoo that a wild puma had been spotted forty-five miles south of London, they were not taken seriously. However, as the evidence began to accumulate, experts from the Zoo felt obliged to investigate, for the descriptions given by people who claimed to have seen the puma were extraordinarily similar.

Search

### 2. add modal

```
<!-- Button trigger modal -->
<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-target="#myModal">
        Launch demo modal
<div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">
          <div class="modal-dialog" role="document">
                <div class="modal-content">
                          <div class="modal-header">
                                 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
<h4 class="modal-title" id="myModalLabel">Modal title</h4>
                          </div>
                          <div class="modal-body">
                         <div class="modal-footer">
                                  clusted = model-note: >
c
                 </div>
          </div>
</div>
```

### import jQuery

```
<script src="static/js/jquery-3.6.4.min.js"></script>
<script src="static/plugins/bootstrap-3.4.1-dist/js/bootstrap.min.js"></script></script></script>
```

### if it does not work

```
<script src="static/pluqins/bootstrap-5.3.0-alpha3/js/bootstrap.min.js"></script>
```

might because the version of bootstrap, please use:

```
<script src="static/plugins/bootstrap-3.4.1-dist/js/bootstrap.min.js"></script>
```

# 3. add jQuery

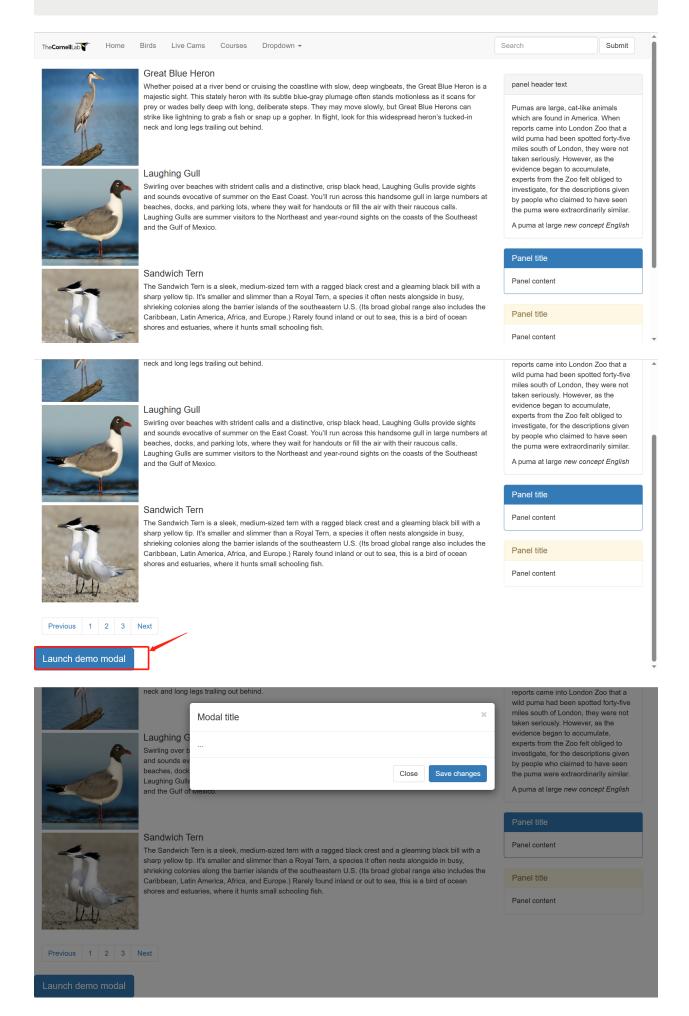
```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>Title</title>
    <link rel="stylesheet" href="static/plugins/bootstrap-3.4.1-dist/css/bootstrap.css">
   <style>
       .container-fluid .col-sm-9 .media-left img {
            height: 190px;
            width: 190px;
        .form-control {
            display: inline-block;
            width: 50%;
```

```
</style>
</head>
<body>
<nav class="navbar navbar-default">
    <div class="container-fluid">
        <div class="navbar-header">
             <a class="navbar-brand" href="https://www.allaboutbirds.org/cams/">
                 < img src = "https://www.allaboutbirds.org/cams/wp-content/themes/birdpress2/images/cornell-lab-logo.svg" \\
                       width="95px" height="25px">
             </a>
        </div>
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
             class="nav-item">
                     <a class="nav-link active" aria-current="page" href="https://www.allaboutbirds.org/cams/">Home</a>
                 class="nav-item">
                     <a class="nav-link" href="https://www.allaboutbirds.org/guide/">Birds</a>
                 <a class="nav-link" href="https://www.allaboutbirds.org/cams/">Live Cams</a>

     <a class="nav-link">Courses</a>
                 class="dropdown">

     <a href="#">Action</a>
                          <a href="#">Another action</a>
<a href="#">Something else here</a>
                          role="separator" class="divider">
<a href="#">Separated link</a>
                          role="separator" class="divider">
<a href="#">one more separated link</a>
                      </111>
             <form class="nav navbar-nav navbar-form navbar-right">
                 div class="form-group">
     <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
                 </div>
                 <button type="submit" class="btn btn-default">Submit</button>
             </form>
        </div>
    </div>
</nav>
<div class="container-fluid clearfix">
    <div class="row">
        <div class="col-sm-9">
             <div class="media">
                 <div class="media-left">
                      <a href="https://www.allaboutbirds.org/guide/Great_Blue_Heron">
                          <img class="media-object"</pre>
                               src="https://www.allaboutbirds.org/guide/assets/photo/304479371-1280px.jpg"
                               alt="Great Blue Heron">
                      </a>
                 </div>
                 <div class="media-body">
                      <h4 class="media-heading">Great Blue Heron</h4>
                     whether poised at a river bend or cruising the coastline with slow, deep wingbeats, the Great Blue Heron is a majestic sight.
                      This stately heron with its subtle blue-gray plumage often stands
                     motionless as it scans for prey or wades belly deep with long, deliberate steps. They may move slowly, but Great Blue Herons can strike like lightning to grab a fish or snap up a gopher. In flight, look for this widespread heron's tucked-in neck and long legs
                      trailing out behind.
                  </div>
             </div>
             <div class="media" style="margin-top: 6px">
                 <div class="media-left">
                      <a href="https://www.allaboutbirds.org/guide/Laughing_Gull">
                          alt="Laughing Gull">
                 </div>
                 <div class="media-body">
                     <h4 class="media-heading">Laughing Gull</h4>
Swirling over beaches with strident calls and a distinctive, crisp
                     black head, Laughing Gulls provide sights and sounds evocative of
                      summer on the East Coast. You'll run across this handsome gull in
                      large numbers at beaches, docks, and parking lots, where they wait
for handouts or fill the air with their raucous calls. Laughing Gulls
                     are summer visitors to the Northeast and year-round sights on the coasts
                      of the Southeast and the Gulf of Mexico.
                 </div>
             <div class="media" style="margin-top: 6px">
                 <div class="media-left">
    <a href="https://www.allaboutbirds.org/guide/Sandwich_Tern">
                          <img class="media-object"</pre>
```

```
src="https://www.allaboutbirds.org/quide/assets/photo/308480441-1280px.jpg"
                     </a>
                 </div>
                 <div class="media-body">
                      <h4 class="media-heading">Sandwich Tern</h4>
                     The Sandwich Tern is a sleek, medium-sized tern with a ragged black
                     crest and a gleaming black bill with a sharp yellow tip. It's smaller
                     and slimmer than a Royal Tern, a species it often nests alongside in busy, shrieking colonies along the barrier islands of the southeastern U.S.
                     (Its broad global range also includes the Caribbean, Latin America, Africa, and Europe.) Rarely found inland or out to sea, this is a bird of ocean shores and estuaries, where it hunts small schooling fish.
            </div>
        </div>
        <div class="col-sm-3" style="margin-top: 10px">
            <div class="panel panel-default"
<div class="panel-heading">
                     panel header text
                 .
</div>
                 <div class="panel-body">
                         Pumas are large, cat-like animals which are found
                         in America. When reports came into London Zoo that a wild puma had been spotted forty-five miles south
                         of London, they were not taken seriously. However, as the evidence began to accumulate, experts from the Zoo felt obliged to investigate, for the descriptions given by people who claimed to have seen the puma were
                         extraordinarily similar.
                     </footer>
                 </div>
            </div>
             <div class="panel panel-primary">
                </div>
<div class="panel-body">
                     Panel content
                 </div>
            </div>
             <div class="panel panel-warning">
                </div>
                 <div class="panel-body">
                     Panel content
                 </div>
            </div>
        </div>
    </div>
</div
<div class="container-fluid" style="margin-top: 10px">
    <nav aria-label="Page navigation example">
     class="pagination">
            class="page-item"><a class="page-link" href="#">Previous</a>
            class="page-item"><a class="page-link" href="#">1</a>class="page-item"><a class="page-link" href="#">2</a>
            </nav>
</div>
<!-- Button trigger modal -->
<button type="button" class="btn btn-primary btn-lg" data-toggle="modal" data-target="#myModal">
    Launch demo modal
<div class="modal-content">
             <div class="modal-header">
                <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span>
                 <h4 class="modal-title" id="myModalLabel">Modal title</h4>
            </div>
            <div class="modal-body">
            </div>
             <div class="modal-footer">
                </div>
        </div>
    </div>
<script src="static/js/jquery-3.6.4.min.js"></script>
<script src="static/plugins/bootstrap-3.4.1-dist/js/bootstrap.min.js"></script>
```



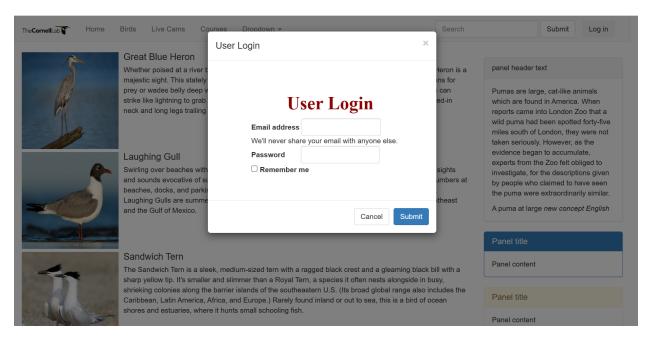
# 4. combine User login

```
<link rel="stylesheet" href="static/plugins/bootstrap-3.4.1-dist/css/bootstrap.css">
    <style>
        .container-fluid .col-sm-9 .media-left img {
            height: 190px;
            width: 190nx:
        .form-control {
            display: inline-block;
width: 50%;
        .w_title {
    color: darkred;
            font-family: "Eras Light ITC";
font-weight: bold;
        .modal-dialog {
   width: 450px;
        .container {
   width: 450px;
            padding: 30px;
margin: 0 auto;
        .sub_container {
   padding: 0px 40px 0px 40px;
    </style>
</head>
<body>
<nav class="navbar navbar-default">
    <div class="container-fluid">
        <div class="navbar-header">
     <a class="navbar-brand" href="https://www.allaboutbirds.org/cams/">
                <img src="https://www.allaboutbirds.org/cams/wp-content/themes/birdpress2/images/cornell-lab-logo.svg"
  width="95px" height="25px">
            </a>
        </div>
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
            <a class="nav-link active" aria-current="page" href="https://www.allaboutbirds.org/cams/">Home</a>
                class="nav-item">
                    <a class="nav-link" href="https://www.allaboutbirds.org/guide/">Birds</a>
                class="nav-item">
                    <a class="nav-link" href="https://www.allaboutbirds.org/cams/">Live Cams</a>
                class="nav-item">
                    <a class="nav-link">Courses</a>
                class="dropdown">
                     <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true"
                       aria-expanded="false">Dropdown <span class="caret"></span></a>
                    <a href="#">Action</a>
                        <a href="#">Another action</a>
<a href="#">Something else here</a>

                        role="separator" class="divider">
                         <a href="#">One more separated link</a>
                <form class="nav navbar-nav navbar-form navbar-right">
                <div class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
                <button type="submit" class="btn btn-default">Submit
                <button type="button" class="btn btn-outline-success" data-toggle="modal" style="margin-left: 10px;"</pre>
                        data-target="#myModal">
                    Log in
            </form>
        </div>
    </div>
</nav>
<div class="container-fluid clearfix">
    <div class="row">
        <div class="col-sm-9">
            <div class="media">
                <div class="media-left">
                    <a href="https://www.allaboutbirds.org/guide/Great_Blue_Heron">
                        <img class="media-object"
    src="https://www.allaboutbirds.org/guide/assets/photo/304479371-1280px.jpg"</pre>
                             alt="Great Blue Heron">
                    </a>
                </div>
                <div class="media-body">
                    <h4 class="media-heading">Great Blue Heron</h4>
```

```
Whether poised at a river bend or cruising the coastline with
                         slow, deep wingbeats, the Great Blue Heron is a majestic sight.
                         This stately heron with its subtle blue-gray plumage often stands
                         motionless as it scans for prey or wades belly deep with long,
                         deliberate steps. They may move slowly, but Great Blue Herons can
strike like lightning to grab a fish or snap up a gopher. In flight,
                         look for this widespread heron's tucked-in neck and long legs
                         trailing out behind.
                    </div>
               <div class="media" style="margin-top: 6px">
                    <div class="media-left">
                         <a href="https://www.allaboutbirds.org/guide/Laughing_Gull">
                              alt="Laughing Gull">
                    </div>
                    <div class="media-body">
                         <h4 class="media-heading">Laughing Gull</h4>
Swirling over beaches with strident calls and a distinctive, crisp
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                         large numbers at beaches, docks, and parking lots, where they wait
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                         are summer visitors to the Northeast and year-round sights on the coasts of the Southeast and the Gulf of Mexico.
                    </div>
               </div>
               <div class="media" style="margin-top: 6px">
                    <img class="media-object"
src="https://www.allaboutbirds.org/guide/assets/photo/308480441-1280px.jpg"</pre>
                                     alt="Sandwich Tern">
                         </a>
                    </div>
                    <div class="media-body">
                         <h4 class="media-heading">Sandwich Tern</h4>
                         The Sandwich Tern is a sleek, medium-sized tern with a ragged black
                         crest and a gleaming black bill with a sharp yellow tip. It's smaller and slimmer than a Royal Tern, a species it often nests alongside in busy, shrieking colonies along the barrier islands of the southeastern U.S. (Its broad global range also includes the Caribbean, Latin America, Africa,
                         and Europe.) Rarely found inland or out to sea, this is a bird of ocean shores and estuaries, where it hunts small schooling fish.
                    </div>
               </div>
          </div>
          <div class="panel-heading">
                         panel header text
                    </div>
                    <div class="panel-body">
                              Pumas are large, cat-like animals which are found
                              in America. When reports came into London Zoo that a wild puma had been spotted forty-five miles south
                              of London, they were not taken seriously. However, as the evidence began to accumulate, experts from the Zoo felt obliged to investigate, for the descriptions given by people who claimed to have seen the puma were
                              extraordinarily similar.
                         <footer class="blockquote-footer"> A puma at large
                               <cite title="Source Title">new concept English</cite>
                         </footer>
               </div>
               <div class="panel panel-primary">
                    <div class="panel-heading">
                         <h3 class="panel-title">Panel title</h3>
                    </div>
                    <div class="panel-body">
                         Panel content
               </div>
               <div class="panel panel-warning">
                   <div class="panel-heading">
     <h3 class="panel-title">Panel title</h3>
                    </div>
                    <div class="panel-body">
                         Panel content
               </div>
          </div>
     </div>
</div>
<div class="container-fluid" style="margin-top: 10px">
     <nav aria-label="Page navigation example">
          class="page-item"><a class="page-link" href="#">Previous</a>
class="page-item"><a class="page-link" href="#">1</a>
class="page-item"><a class="page-link" href="#">2</a>
               class="page-item"><a class="page-link" href="#">3</a>
```

```
<a class="page-link" href="#">Next</a>
                 </nav>
 </div>
<!-- Modal -->
<div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-labelledby="myModalLabel">
                <div class="modal-header">
                                                                  < button \ type="button" \ class="close" \ data-dismiss="modal" \ aria-label="Close" > < span \ aria-hidden="true" > & times; < / span > class="close" \ data-dismiss="modal" \ aria-label="close" > < span \ aria-hidden="true" > & times; < / span > class="close" \ data-dismiss="modal" \ aria-label="close" > < span \ aria-hidden="true" > & times; < span \ aria-hidden=
                                                                   </button>
                                                                   <h4 class="modal-title" id="myModalLabel">User Login</h4>
                                                  </div>
                                                    <div class="modal-body">
                                                                 <div class="container">
    <h1 class="w_title" style="text-align: center;">User Login</h1>
                                                                                    <label for="exampleInputEmail1" class="form-label">Email address</label>
<input type="email" class="form-control" id="exampleInputEmail1"</pre>
                                                                                                                     aria-describedby="emailHelp">
<div id="emailHelp" class="form-text">\div id= emailHelp" class= emailHelp"</dd>\div id= emailHelp"</dd>\div id= emailHelp"</dd>\div id= emailHelp"</dd>\div id= emailHelp"</dd>\div id= emailHe
                                                                                                     </div>
<div class="mb-3">
                                                                                                                     <label for="exampleInputPassword1" class="form-label">Password
                                                                                                                                    &nbsp&nbsp&nbsp&nbsp&nbsp</label>
                                                                                                                     <input type="password" class="form-control" id="exampleInputPassword1">
                                                                                                      </div>
                                                                                                     <div class="mb-3 form-check">
     <input type="checkbox" class="form-check-input" id="exampleCheck1">
     <label class="form-check-label" for="exampleCheck1">Remember me</label>
                                                                                                     </div>
                                                                                    </form>
                                                                  </div>
                                                  </div>
                                                  </div>
                                  </div>
                </div>
</div>
<script src="static/js/jquery-3.6.4.min.js"></script>
<script src="static/plugins/bootstrap-3.4.1-dist/js/bootstrap.min.js"></script></script></script>
</body>
</html>
```



### JavaScript syntax

### DOM