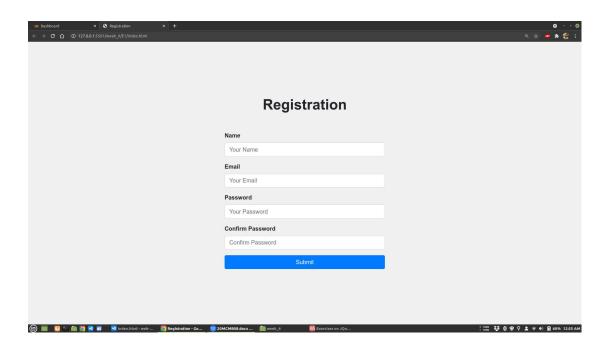
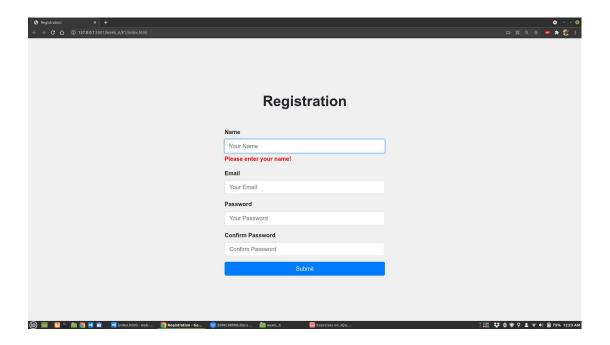
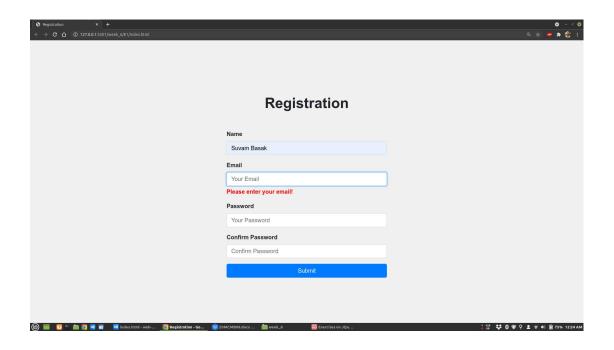
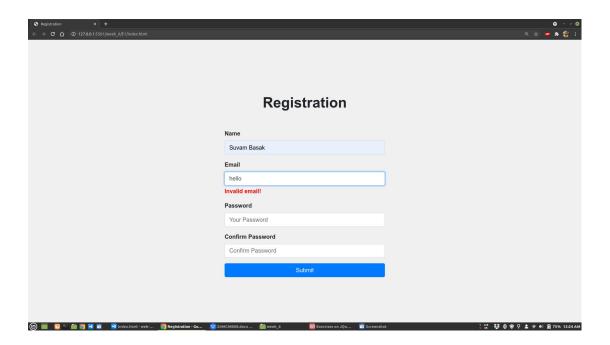
Exercises on jQuery and AjaxSuvam Basak

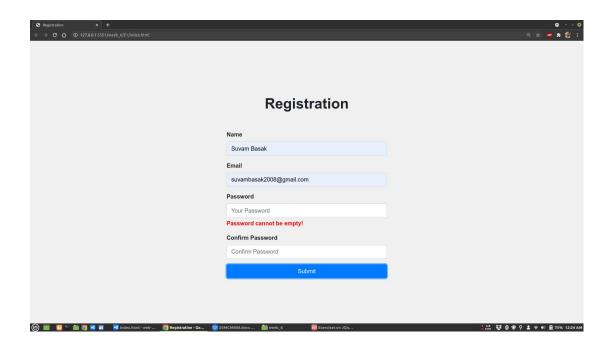
Suvam Basak MTech IT 20MCMB08

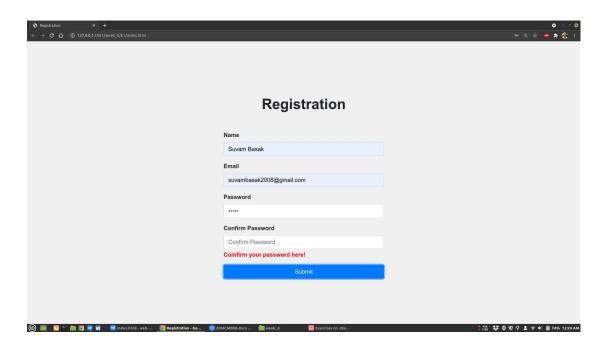


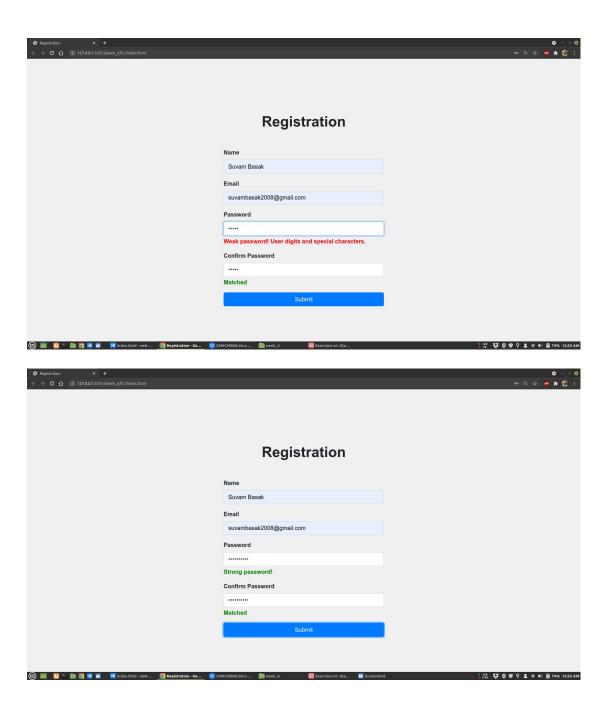










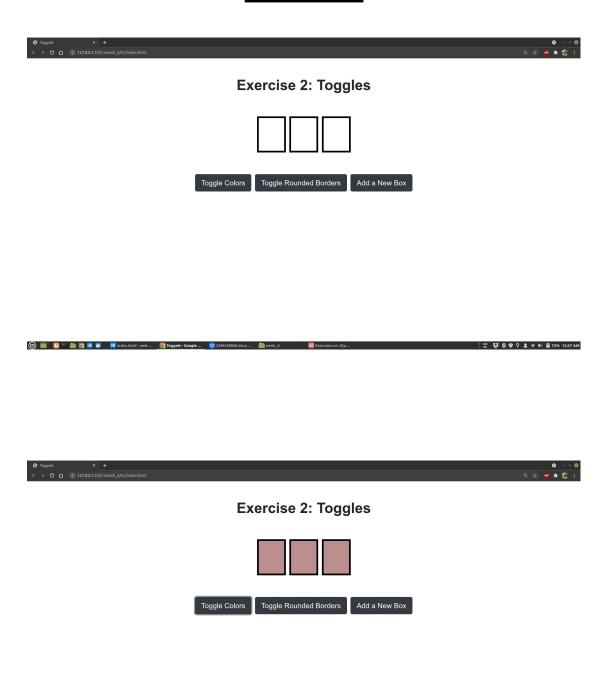


```
<!-- Bootstrap CSS -->
   <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFc
JlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
   <title>Registration</title>
   <!-- Style -->
   <style>
       body {
           margin-top: 100px;
           background-color: rgb(240, 240, 240);
       }
       h1 {
           text-align: center;
           margin: 50px;
       }
       .success {
           color: green;
           font-weight: bold;
           font-size: medium;
       }
       .fail {
           color: red;
           font-weight: bold;
           font-size: medium;
   </style>
</head>
<body>
   <div class="container">
       <div class="row d-flex justify-content-center">
           <div class="col-5">
               <!-- Registration from -->
               <h1><b>Registration</b></h1>
               <form onsubmit="return false">
                   <div class="form-group">
                      <label for="name"><b>Name</b></label>
                      <input type="text" class="form-control"</pre>
name="name" id="name" aria-describedby="name_help"
                          placeholder="Your Name">
```

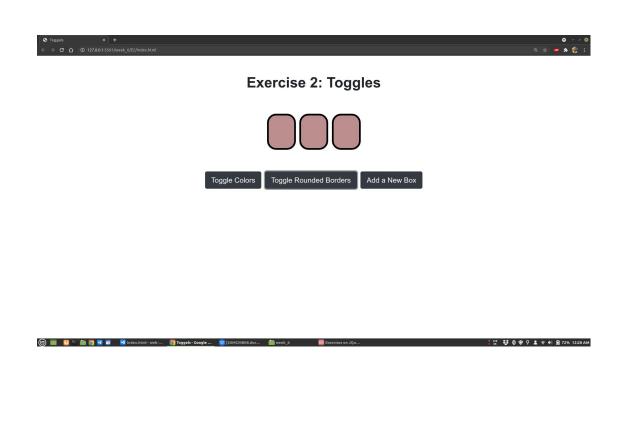
```
<small id="name help"</pre>
class="form-text"></small>
                   </div>
                   <div class="form-group">
                       <label for="email"><b>Email</b></label>
                       <input type="email" class="form-control"</pre>
name="email" id="email" aria-describedby="email help"
                           placeholder="Your Email">
                       <small id="email help"</pre>
class="form-text"></small>
                   </div>
                   <div class="form-group">
                       <label for="pwd"><b>Password</b></label>
                       <input type="password"</pre>
class="form-control" name="pwd" id="pwd"
aria-describedby="pwd help"
                           placeholder="Your Password">
                       <small id="pwd help"</pre>
class="form-text"></small>
                   </div>
                   <div class="form-group">
                       <label for="cnf_pwd"><b>Confirm
Password</b></label>
                       <input type="password"</pre>
class="form-control" name="cnf_pwd" id="cnf pwd"
                           aria-describedby="cnf pwd help"
placeholder="Confirm Password">
                       <small id="cnf pwd help"</pre>
class="form-text"></small>
                   </div>
                   <button type="submit" class="btn btn-primary</pre>
btn-block" id="submit">Submit</button>
               </form>
           </div>
       </div>
   </div>
   <!-- jQuery -->
    <script
src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFD
MVNA/GpGFF93hXpG5KkN"
       crossorigin="anonymous"></script>
   <!-- Validation with jQuery -->
    <script>
       $(document).ready(function () {
```

```
// on submit button click.
           $("#submit").click(function () {
               // Log
              console.log("Submit clicked");
              // Retrieve the values from form.
              var name = $("#name").val();
              var email = $("#email").val();
              var password = $("#pwd").val();
              var confirmPassword = $("#cnf pwd").val();
              // Log.
              console.log(`Name : ${name}`);
               console.log(`Email : ${email}`);
              console.log(`Password : ${password}`);
               console.log(`Confirm Password :
${confirmPassword}`);
              // Regular expression for email.
              const emailRegx =
/^([a-z0-9\.-]+)@([a-z0-9-]+).([a-z]+)(.[a-z]+)?$/;
              // Regular expression for password strength.
              const alphaRegx = /[a-zA-Z]+/;
               const numRegx = /[0-9]+/;
               const specialRegx = /[!@#$-%^*() += ^-]+/;
              // Name validation.
              if ("" == name) {
                  $("#name help").text("Please enter your
name!").addClass("fail");
                  $("#name").focus();
                  return false;
               } else {
                  $("#name help").empty();
               }
              // Email Validation.
               if ("" == email) {
                  $("#email help").text("Please enter your
email!").addClass("fail");
                  $("#email").focus();
                  return false;
               } else if (!emailRegx.test(email)) {
                  $("#email help").text("Invalid
email!").addClass("fail");
                  $("#email").focus();
                  return false;
```

```
} else {
                  $("#email help").empty();
               // Password validation.
               if ("" == password) {
                  $("#pwd help").text("Password cannot be
empty!").addClass("fail");
                  $("#cnf_pwd_help").empty();
                  return false;
               } else {
                  $("#pwd_help").empty();
               if ("" == confirmPassword) {
                  $("#cnf_pwd_help").text("Comfirm your
password here!").addClass("fail");
                  return false;
               } else {
                  $("#pwd_help").empty();
               // Matching confirm password.
               if (password != confirmPassword) {
                  $("#cnf pwd").focus();
                  $("#cnf_pwd_help").text("Not
matching!").addClass("fail");
                  return false;
               } else {
$("#cnf pwd help").text("Matched").removeClass("fail").addClas
s("success");
               }
               // Checking strength.
               if (alphaRegx.test(password) &&
numRegx.test(password) && specialRegx.test(password)) {
                  $("#pwd help").text("Strong
password!").removeClass("fail").addClass("success");
               } else {
                  $("#pwd").focus();
                  $("#pwd help").text("Weak password! User
digits and special characters.").addClass("fail");
                  return false;
               }
           });
       });
   </script>
</body>
```



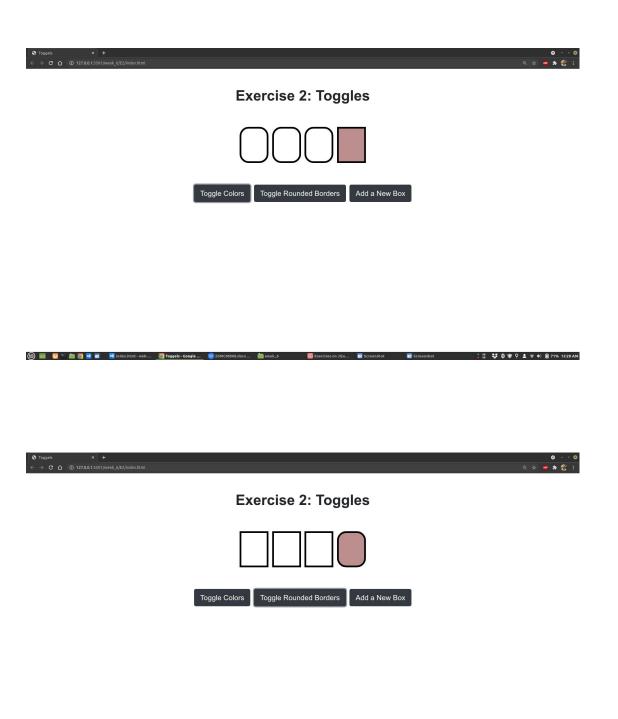




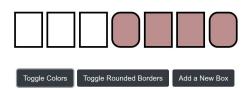
Exercise 2: Toggles













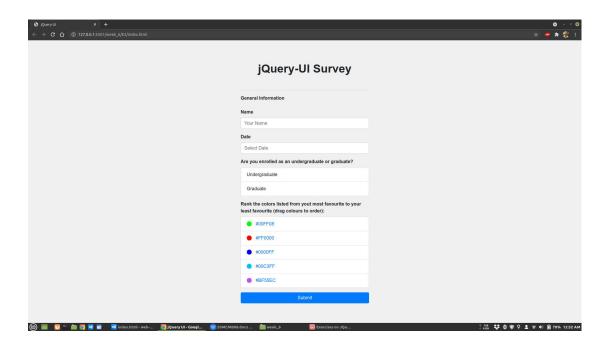
Exercise 2: Toggles

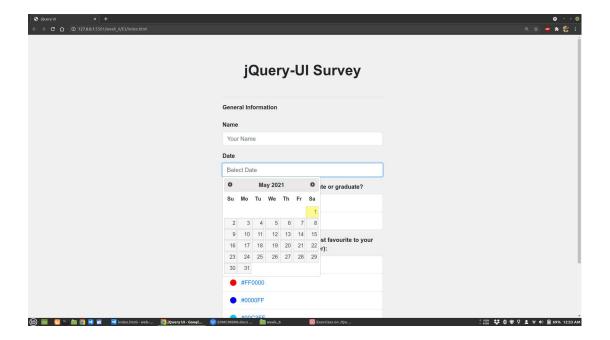


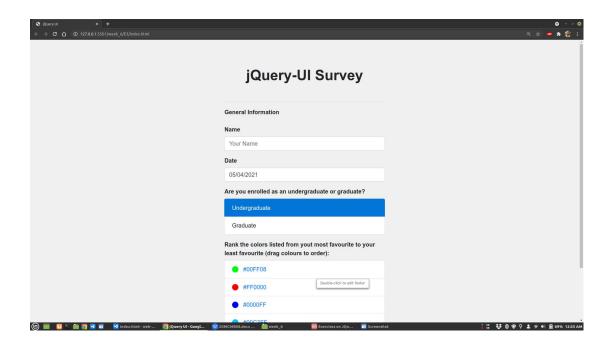


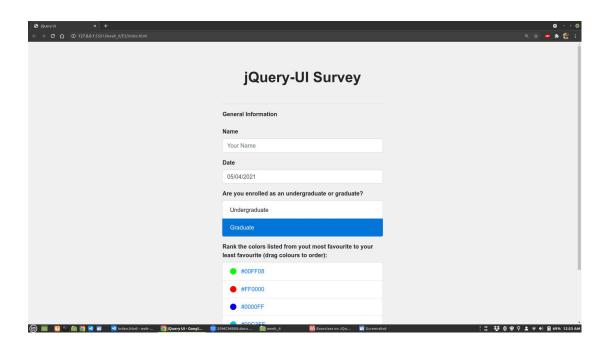
```
<!-- Bootstrap CSS -->
   <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFc
JlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
   <!-- Style -->
   <style>
       body {
           margin: 50px;
       button {
           margin: 5px;
       }
       .box {
           border: 5px solid black;
           width: 80px;
           height: 100px;
           margin: 5px;
       }
       .box-round {
           border-radius: 25px;
       }
       .box-bg {
           background-color: rosybrown;
       #box holder {
           margin: 50px;
       }
   </style>
   <title>Toggels</title>
</head>
<body>
   <div class="container">
       <!-- Heading -->
       <div class="row d-flex justify-content-center">
           <h1><b>Exercise 2: Toggles</b></h1>
       </div>
```

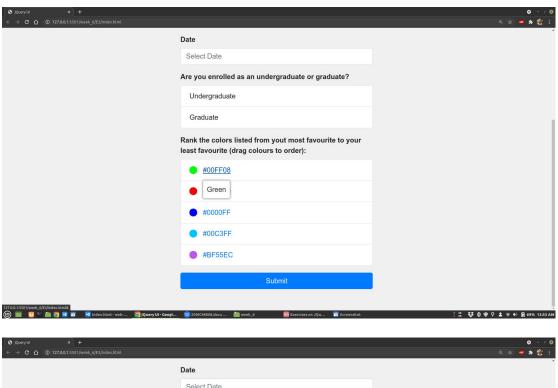
```
<!-- Box contaner div -->
       <div class="row d-flex justify-content-center"</pre>
id="box holder">
           <div class="box"></div>
           <div class="box"></div>
           <div class="box"></div>
       </div>
       <!-- Button container div -->
       <div class="row d-flex justify-content-center">
           <button type="button" class="btn btn-dark btn-lg"</pre>
id="tcolor">Toggle Colors</button>
           <button type="button" class="btn btn-dark btn-lg"</pre>
id="tborder">Toggle Rounded Borders</button>
           <button type="button" class="btn btn-dark btn-lg"</pre>
id="tnew">Add a New Box</button>
       </div>
   </div>
   <!-- jQuery -->
   <script
src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFD
MVNA/GpGFF93hXpG5KkN"
       crossorigin="anonymous"></script>
   <!-- jQuery -->
   <script>
       $(document).ready(function () {
           // Background change
           $("#tcolor").click(function () {
               $("div.box").toggleClass("box-bg");
           });
           // Border round
           $("#tborder").click(function () {
               $("div.box").toggleClass("box-round");
           });
           // Add new box
           $("#tnew").click(function () {
               $("#box holder").append('<div</pre>
class="box"></div>');
           });
       });
   </script>
</body>
```

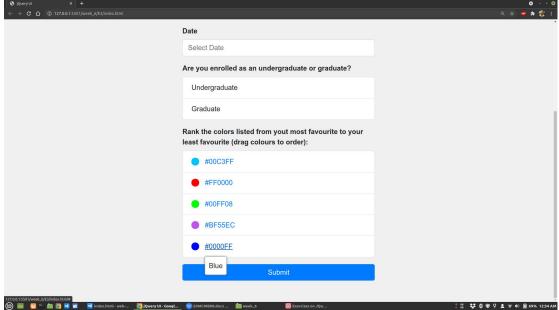








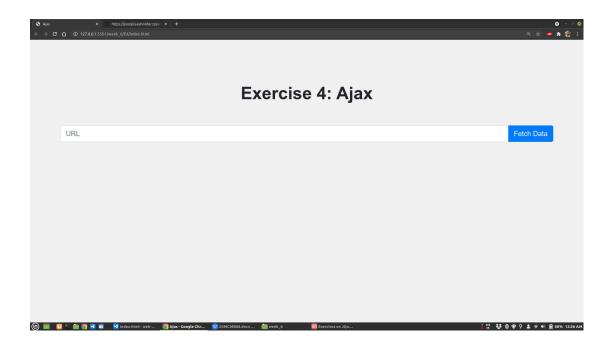


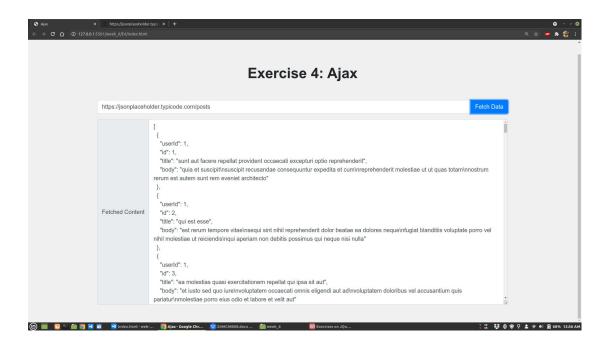


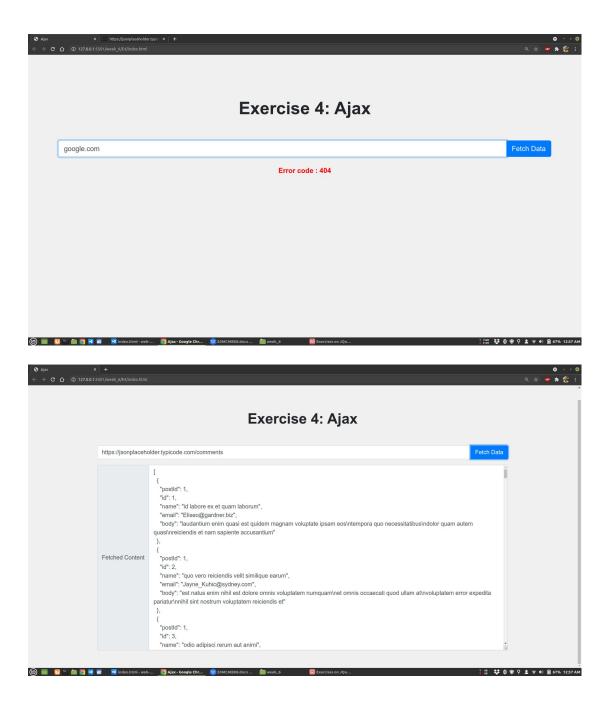
```
<link rel="stylesheet"</pre>
href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">
   <link rel="stylesheet" href="/resources/demos/style.css">
   <script
src="https://code.jquery.com/jquery-1.12.4.js"></script>
   <script
src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>
   <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFc
JlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
   <!-- Style -->
   <style>
       body {
           margin-bottom: 50px;
           background-color: rgb(240, 240, 240);
       }
       h1 {
           text-align: center;
           margin: 50px;
       }
       span {
           height: 3px;
           width: 3px;
           border-radius: 10px;
       }
       #selectable .ui-selected {
           background: #0275d8;
           color: white;
       }
   </style>
   <!-- jQuery -->
   <script>
       $(document).ready(function () {
           $(document).tooltip();
           $("#date").datepicker();
           $("#selectable").selectable();
           $("#sortable").sortable();
           $("#sortable").disableSelection();
           $("button").click(function () {
               alert('Not implemented yet.');
```

```
});
       });
   </script>
   <title>jQuery UI</title>
</head>
<body>
   <div class="container">
       <div class="row d-flex justify-content-center">
          <div class="col-5">
              <!-- survey from -->
              <h1><b>jQuery-UI Survey</b></h1>
              <hr>>
              <form action="">
                  <!-- Name -->
                  <div class="form-group">
                     <label for="name"><b>General Information
<br>>Name </b></label>
                     <input type="text" class="form-control"</pre>
name="name" id="name" aria-describedby="name help"
                         placeholder="Your Name">
                  </div>
                  <!-- Date picker -->
                  <div class="form-group">
                     <label for="date"><b>Date</b></label>
                     <input type="text" class="form-control"</pre>
name="date" id="date" aria-describedby="email help"
                         placeholder="Select Date">
                  </div>
                  <!-- Selectable -->
                  <div class="form-group">
                     <label for="date"><b>Are you enrolled as an
undergraduate or graduate?</b></label>
                     <li
class="list-group-item">Undergraduate
                         <li
class="list-group-item">Graduate
                     </div>
                  <!-- Sortable color -->
                  <div class="form-group">
                     <label for="date"><b>Rank the colors listed
from yout most favourite to your least
                            favourite (drag colours to
order):</b></label>
```

```
<span style="background-color:</pre>
#00FF08;">   </span>
                     
                    <a href="#"
title="Green">#00FF08</a>
                 <span style="background-color:</pre>
#FF0000;">   </span>
                     
                    <a href="#"
title="Red">#FF0000</a>
                 <span style="background-color:</pre>
#0000FF;">   </span>
                     
                    <a href="#"
title="Blue">#0000FF</a>
                 <span style="background-color:</pre>
#00C3FF;">   </span>
                     
                    <a href="#"
title="Sky">#00C3FF</a>
                 <span style="background-color:</pre>
#BF55EC;">   </span>
                     
                    <a href="#"
title="Purple">#BF55EC</a>
                 </div>
            <!-- Submit button -->
            <button type="submit" class="btn btn-primary</pre>
btn-block" id="submit">Submit</button>
          </form>
       </div>
     </div>
  </div>
</body>
</html>
```







```
<!-- Bootstrap CSS -->
   <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/boot
strap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFc
JlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">
   <title>Ajax</title>
   <!-- Style -->
   <style>
       body {
           margin-top: 50px;
           margin-bottom: 50px;
           background-color: rgb(240, 240, 240);
       }
       h1 {
           text-align: center;
           margin: 50px;
       }
       .fail {
           color: red;
           font-weight: bold;
           font-size: medium;
   </style>
</head>
<body>
   <div class="container">
       <div class="row d-flex justify-content-center">
           <h1><b>Exercise 4: Ajax</b></h1>
           <!-- URL input -->
           <div class="input-group mb-3">
               <input type="text" class="form-control"</pre>
placeholder="URL" aria-label="Recipient's username"
                   aria-describedby="basic-addon2" id="url">
               <div class="input-group-append">
                   <button class="btn btn-primary"</pre>
type="button">Fetch Data</button>
               </div>
           </div>
           <!-- Error show -->
           <small id="url_help" class="form-text fail"></small>
```

```
<!-- Content show -->
           <div class="input-group" id="out">
               <div class="input-group-prepend">
                  <span class="input-group-text">Fetched
Content</span>
               </div>
               <textarea class="form-control" aria-label="With
textarea"></textarea>
           </div>
       </div>
   </div>
   <!-- jQuery -->
   <script
src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFD
MVNA/GpGFF93hXpG5KkN"
       crossorigin="anonymous"></script>
   <!-- Ajax and jQuery -->
   <script>
       $(document).ready(function () {
           // Hide the content show div.
           $("#out").hide();
           // Button click.
           $("button").click(function () {
               const url = $("#url").val();
              console.log(url);
              const xhr = new XMLHttpRequest();
              xhr.onload = function () {
                  console.log(this);
                  // Show the data.
                  if (this.status === 200) {
                      $("#url help").empty();
                      $("#out").show();
$("textarea").val(this.responseText).height(500);
                  } else {
                      $("#url help").text(`Error code :
${this.status}`);
                      $("#url").focus();
               }
```