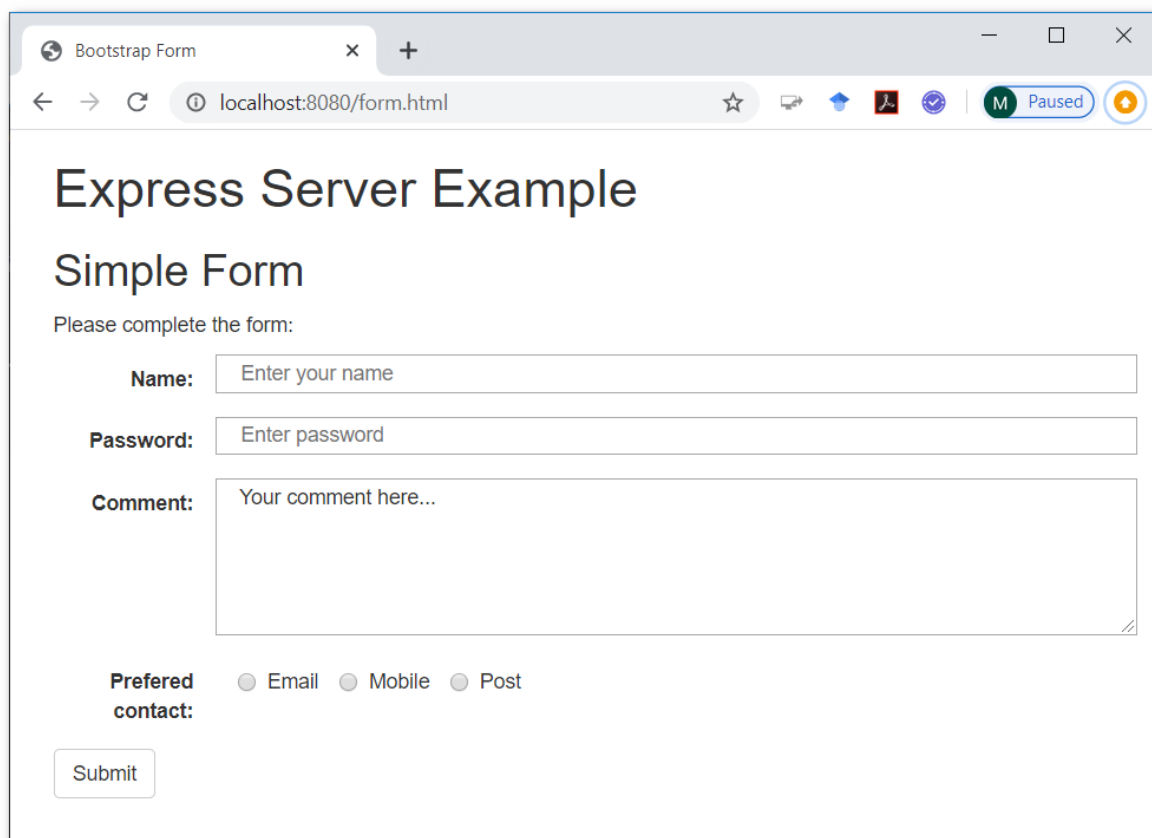


# 9.1P: Send a Response to the Received Data

## Tasks

You are given the following form web page:



The screenshot shows a web browser window with the title 'Bootstrap Form'. The address bar displays 'localhost:8080/form.html'. The page content includes the heading 'Express Server Example' and 'Simple Form'. Below the heading, it says 'Please complete the form:'. The form consists of three input fields: 'Name:' with a placeholder 'Enter your name', 'Password:' with a placeholder 'Enter password', and 'Comment:' with a placeholder 'Your comment here...'. Below these fields, there is a section for 'Preferred contact:' with three radio buttons labeled 'Email', 'Mobile', and 'Post'. At the bottom left, there is a 'Submit' button.

Task9.1.1 Example form layout

The HTML source code of the page is as follow:

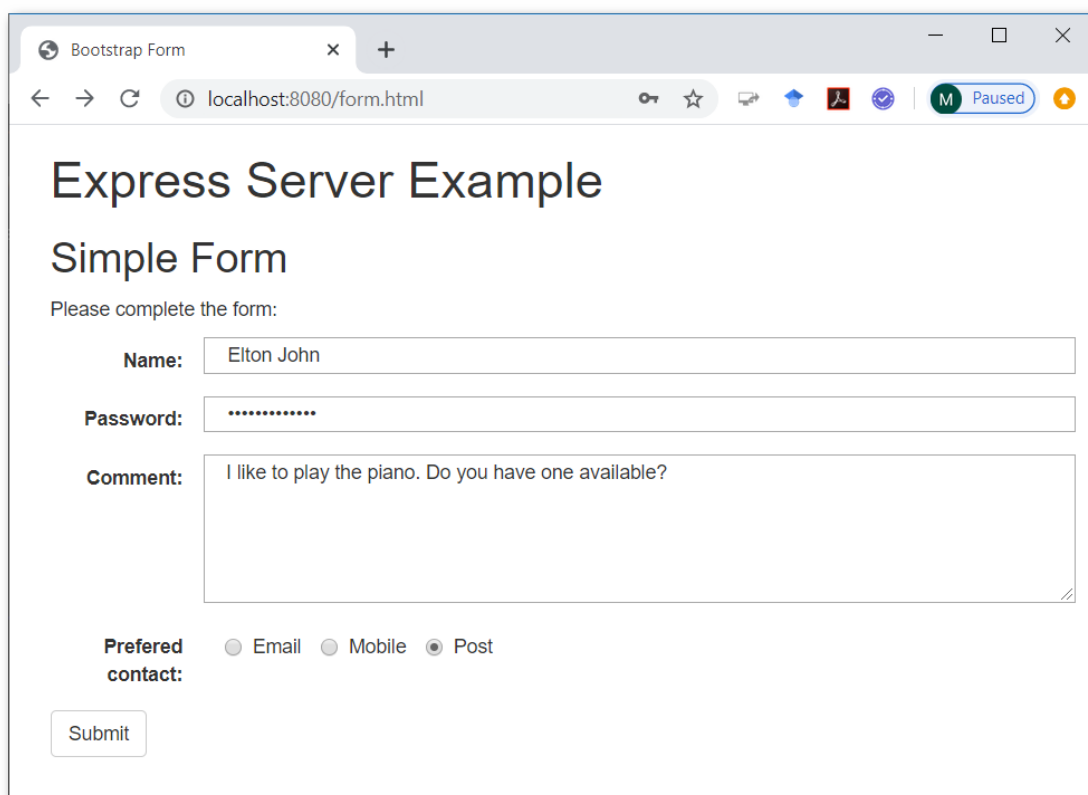
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Bootstrap Form</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
  </head>
  <body>
    <div class="container">
      <h1>Express Server Example</h1>

      <h2>Simple Form</h2>
      <p>Please complete the form:</p>

      <form class="form-horizontal" action="/users" method="post">
        <div class="form-group">
          <label class="control-label col-sm-2" for="usr">Name:</label>
          <input class="col-sm-10" type="text" class="form-control" id="usr"
            placeholder="Enter your name" name="name">
        </div>
        <div class="form-group">
          <label class="control-label col-sm-2" for="pwd">Password:</label>
          <input class="col-sm-10" type="password" class="form-control" id="pwd"
            placeholder="Enter password" name="password">
        </div>
        <div class="form-group">
          <label class="control-label col-sm-2" for="comment">Comment:</label>
          <textarea rows="5" class="col-sm-10" class="form-control" id="comment"
            name="comment">Your comment here...</textarea>
        </div>
        <div class="form-group">
          <label class="control-label col-sm-2">Preferred contact:</label>
          <div class="col-sm-10">
            <label class="radio-inline">
              <input type="radio" name="optradio" value="1" id="rb1">
              Email
            </label>
            <label class="radio-inline">
              <input type="radio" name="optradio" value="2" id="rb2">
              Mobile
            </label>
            <label class="radio-inline">
              <input type="radio" name="optradio" value="3" id="rb3">
              Post
            </label>
          </div>
        </div>
        <button type="submit" class="btn btn-default">Submit</button>
      </form>
    </div>
  </body>
</html>
```

You are required to:

1. Save the above HTML code as a `.html` file on your *Node.js* server (e.g., in the public sub-folder).
2. Make a *Node.js* applicaiton program (i.e., a `.js` file) in your *Node.js* server folder. The program is able to launch the server, accept the data sent from this form page, and display a response message in the web browser.
3. Launch the server by executing the *Node.js* program you made.
4. Visit the form web page via the local *Node.js* server (e.g., `http://localhost:8080/...`) using a web browser.
5. Enter data into the form, like the following:



Bootstrap Form

localhost:8080/form.html

## Express Server Example

### Simple Form

Please complete the form:

**Name:**

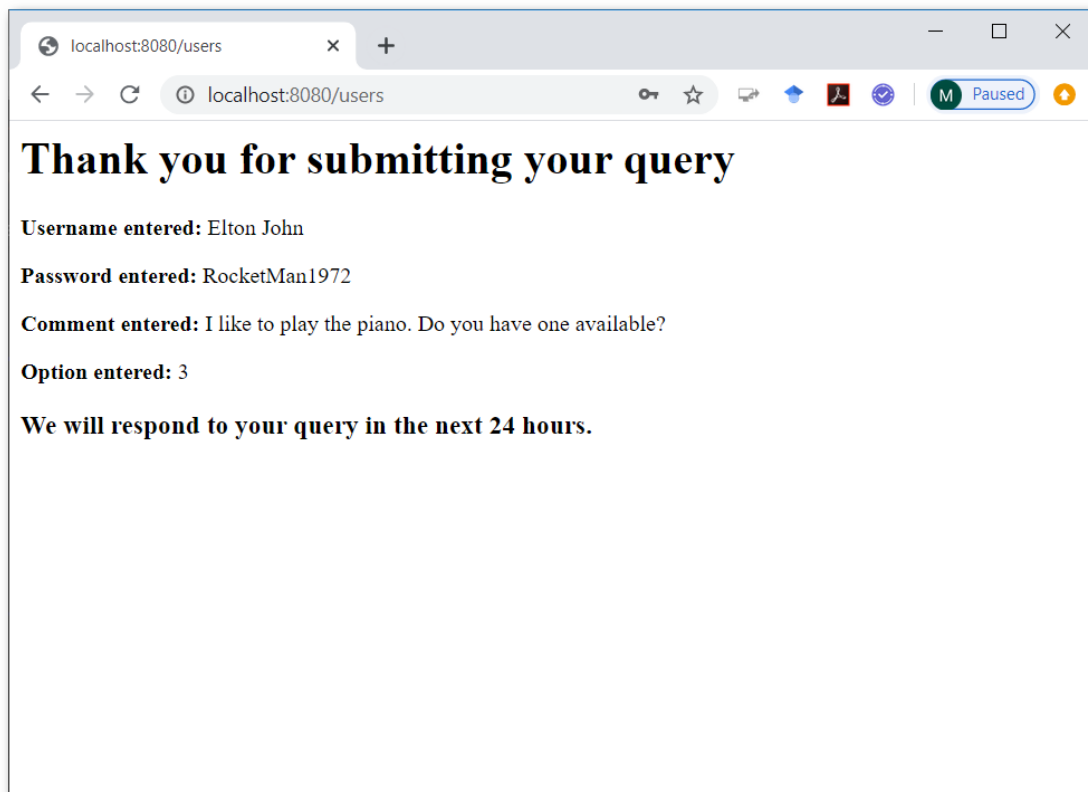
**Password:**

**Comment:**

**Preferred contact:** ☐ Email ☐ Mobile ☒ Post

Task9.1.2 Example form with input

6. When the "**Submit**" button is clicked, the response message should be displayed in the browser (simple *html* for the response is fine), like the following:



Task9.1.3 Response from the server

## What will you submit?

You should submit:

- Source code of the *Node.js* file (i.e., the `.js` file).
- Screenshot of the browser window showing the form web page with entered data.
- Screenshot of the browser window showing response message after the "**Submit**" button is clicked.