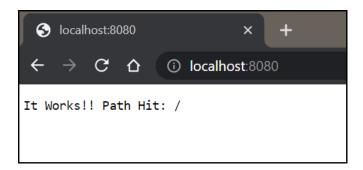
```
// Require/import the HTTP module
const http = require("http");
// Define a port to listen for incoming requests
const PORT = 8080;
// Create a generic function to handle requests and responses
const handleRequest = (request, response) => {
// Send the below string to the client when the user visits the PORT URL
 response.end('It Works!! Path Hit: ${request.url}');
};
// Use the Node HTTP package to create our server.
// Pass the handleRequest function to empower it with functionality.
const server = http.createServer(handleRequest);
// Start our server so that it can begin listening to client requests.
server.listen(PORT, () => {
// Log (server-side) when our server has started
 console.log('Server listening on: http://localhost:${PORT}');
});
```

Servers



const http = require("http");
const server1 = http.createServer((req, res) => {
 res.end("Know thy self");
});
const server2 = http.createServer((req, res) => {
 res.end("we talkin about practice");
});
server1.listen(7000, () => {
 console.log("server1 started");
});
server2.listen(7500, () => {
 console.log("server2 started");
});

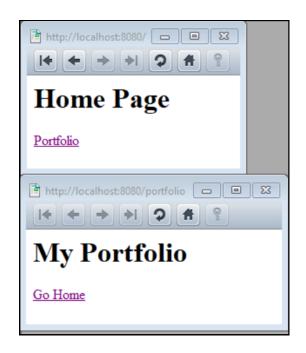


```
const http = require('http');

Const PORT = 8080;

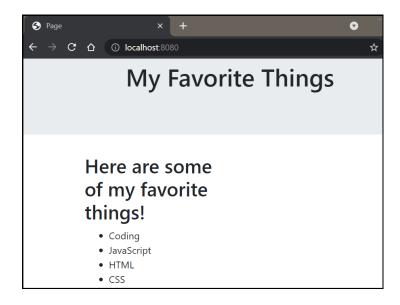
When someone visits the "http://localhost:8080/portfolio" path, this function is run
```

```
// When someone visits the "http://localhost:8080/portfolio" path, this function is run.
const displayPortfolio = (res) => {
const myHTML = 
 <html>
  <body>
   <h1>My Portfolio</h1>
   <a href='/'>Go Home</a>
  </body>
 </html>`;
 // Configure the response to return a status code of 200 (meaning everything went OK), and to be an HTML document
 res.writeHead(200, { 'Content-Type': 'text/html' });
 // End the response by sending the client the myHTML string (which gets rendered as an HTML document
         thanks to the code above)
res.end(myHTML);
// When someone visits the "http://localhost:8080/" path, this function is run.
const displayRoot = (res) => {
const myHTML =
 <html>
  <body>
   <h1>Home Page</h1>
   <a href='/portfolio'>Portfolio</a>
  </body>
 </html>`:
 // Configure the response to return a status code of 200 (meaning everything went OK),
         and to be an HTML document
res.writeHead(200, { 'Content-Type': 'text/html' });
// End the response by sending the client the myHTML string (which gets rendered as an HTML document
         thanks to the code above)
res.end(mvHTML):
};
// When someone visits any path that is not specifically defined, this function is run.
const display404 = (url, res) \Rightarrow \{
 const myHTML = `
 <html>
  <body>
   <h1>404 Not Found </h1>
   The page you were looking for: ${url} can not be found
  </body>
 </html>`;
// Configure the response to return a status code of 404 (meaning the page/
resource asked for couldn't be found), and to be an HTML document
res.writeHead(404, { 'Content-Type': 'text/html' });
// End the response by sending the client the myHTML string (which gets rendered as an HTML document
         thanks to the code above)
res.end(myHTML);
};
```



```
// Create a function which handles incoming requests and sends responses
const handleRequest = (req, res) \Rightarrow \{
// Capture the url the request is made to
 const path = req.url;
 // Depending on the URL, display a different HTML file.
 switch (path) {
  case '/':
   return displayRoot(res);
  case '/portfolio':
   return displayPortfolio(res);
  default:
   return display404(path, res);
};
// Assign our createServer method to a variable called "server"
const server = http.createServer(handleRequest);
// Start our server
server.listen(PORT, () => {
// Callback triggered when server is successfully listening. Hurray!
 console.log('Server listening on: http://localhost:${PORT}');
});
```

```
<!DOCTYPE html>
                                                                                    Serving HTML
<html>
<head>
  <title>Page</title>
  k rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
</head>
<body>
  <div class="jumbotron">
    <h1 class="text-center">My Favorite Things</h1>
  </div>
  <div class="container">
    <div class="col-sm-6 col-sm-offset-3">
        <h2>Here are some of my favorite things!</h2>
        ul>
          Coding
          JavaScript
          HTML
          CSS
        </div>
  </div>
</body>
</html>
// Dependencies
const http = require('http');
const fs = require('fs');
// Set our port to 8080
const PORT = 8080;
// Create a function for handling the requests and responses coming into our server
const handleRequest = (req, res) => {
 // Here we use the fs package to read our index.html file
 fs.readFile(`${ dirname}/index.html`, (err, data) => {
  if (err) throw err;
  // We then respond to the client with the HTML page by specifically telling the browser
         that we are delivering an html file.
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.end(data);
 });
// Create our server
const server = http.createServer(handleRequest);
// Starts our server
server.listen(PORT, () => {
 console.log(`Server is listening on PORT: ${PORT}`);
});
```



Serving Favorites

// Require dependencies
const http = require('http');

```
const fs = require('fs');
// Set our port to 8080
                                                                                                         Home
const PORT = 8080;
                                                                                                          | ( ← → → | ( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
                                                                                                                                                                                                                                   Bonus:
const handleRequest = (req, res) => {
 // Capture the url the request is made to
                                                                                                         Welcome to My House!
                                                                                                                                                                                     // Require dependencies
 const path = req.url;
                                                                                                                                                                                     const http = require('http');
 // When we visit different urls, read and respond with different files
                                                                                                                                                                                     const fs = require('fs');
                                                                                                         Movies | Frameworks | Food
 switch (path) {
                                                                                                                                                                                     // Set our port to 8080
   case '/food':
                                                                                                                                                                                     const PORT = 8080;
    return fs.readFile(`${ dirname}/food.html`, (err. data) => {
                                                                                                         Home
      if (err) throw err;
                                                                                                                                                                                     // function to take a filepath and respond with html
                                                                                                          res.writeHead(200, { 'Content-Type': 'text/html' });
                                                                                                                                                                                     const renderHTML = (filePath, res) => {
      res.end(data);
                                                                                                                                                                                      return fs.readFile(`${ dirname}${filePath}`, (err, data) => {
    });
                                                                                                         Movies
                                                                                                                                                                                        if (err) throw err;
   case '/movies':
                                                                                                                                                                                        res.writeHead(200, { 'Content-Type': 'text/html' });
    return fs.readFile(`${ dirname}/movies.html`, (err, data) => {
                                                                                                                                                                                        res.end(data);
      if (err) throw err:
                                                                                                            1. Fatal Furv
                                                                                                                                                                                      });
                                                                                                            2. Tron: Legacy
      res.writeHead(200, { 'Content-Type': 'text/html' });
                                                                                                                                                                                     };
                                                                                                            3. Avengers
      res.end(data);
     });
                                                                                                                                                                                     const handleRequest = (req, res) => {
   case '/frameworks':
                                                                                                         Favorite Foods
                                                                                                                                                                                      // Capture the url the request is made to
    return fs.readFile(`${ dirname}/frameworks.html`, (err. data) => {
                                                                                                          | ← → → | → | ↑ | ↑ | ↑ | http://localhost:8080/food
                                                                                                                                                                                      const path = req.url;
      if (err) throw err;
                                                                                                                                                                                      // When we visit different urls, call the function with different arguments
      res.writeHead(200, { 'Content-Type': 'text/html' });
                                                                                                                                                                                      switch (path) {
      res.end(data);
                                                                                                         Foods
                                                                                                                                                                                        case '/food':
    });
   // default to rendering index.html, if none of above cases are hit
                                                                                                                                                                                        case '/movies':

    Wings

                                                                                                                                                                                        case '/frameworks':
                                                                                                            2. Pizza
    return fs.readFile(`${ dirname}/index.html`, (err. data) => {
                                                                                                                                                                                         return renderHTML(`${path}.html`, res);
                                                                                                            3. Sesame Beef
      if (err) throw err;
      res.writeHead(200, { 'Content-Type': 'text/html' });
                                                                                                                                                                                          return renderHTML('/index.html', res);
      res.end(data);
                                                                                                         | ← → → | 2 A P http://localhost:8080/frameworks
    });
};
                                                                                                                                                                                     // Create the server, assign it to a variable called "server"
                                                                                                        Frameworks
                                                                                                                                                                                     const server = http.createServer(handleRequest);
// Create the server, assign it to a variable called "server"
                                                                                                                                                                                     // Starts our server
const server = http.createServer(handleRequest);

    React

                                                                                                                                                                                     server.listen(PORT, () \Rightarrow {
// Starts our server.
                                                                                                           Express
                                                                                                                                                                                     console.log('Server is listening on PORT: ${PORT}');
server.listen(PORT, () \Rightarrow \{
                                                                                                            3. Materialize
 console.log('Server is listening on PORT: ${PORT}');
});
          <!DOCTYPE html>
                                                                            <!DOCTYPE html>
                                                                                                                                             <!DOCTYPE html>
                                                                                                                                                                                                              <!DOCTYPE html>
          <html lang="en">
                                                                            <html lang="en">
                                                                                                                                             <html lang="en">
                                                                                                                                                                                                              <html lang="en">
          <head>
                                                                             <head>
                                                                                                                                             <head>
                                                                                                                                                                                                               <head>
           <meta charset="UTF-8">
                                                                               <meta charset="UTF-8" />
                                                                                                                                              <meta charset="UTF-8">
                                                                                                                                                                                                                 <meta charset="UTF-8"/>
           <title>Home</title>
                                                                               <title>Home</title>
                                                                                                                                              <title>Favorite Frameworks</title>
                                                                                                                                                                                                                 <title>Favorite Foods</title>
          </head>
                                                                             </head>
                                                                                                                                             </head>
                                                                                                                                                                                                                </head>
          <body>
                                                                             <body>
                                                                                                                                             <body>
                                                                                                                                                                                                                <body>
            <h1>Welcome to My House!</h1>
                                                                               <h1>Movies</h1>
                                                                                                                                              <h1>Frameworks</h1>
                                                                                                                                                                                                                 <h1>Foods</h1>
                                                                                                                                               <01>
                                                                                                                                                                                                                 <01>
                                                                               < 01 >
             <a href="/movies">Movies</a> |
                                                                                Fatal Fury
                                                                                                                                               React
                                                                                                                                                                                                                  Wings
             <a href="/frameworks">Frameworks</a> |
                                                                                Tron: Legacy
                                                                                                                                               Express
                                                                                                                                                                                                                  Pizza
             <a href="/food">Food</a>
                                                                                Avengers
                                                                                                                                               Naterialize
                                                                                                                                                                                                                  Sesame Beef
            </nav>
                                                                               </body>
          </body>
                                                                             </body>
                                                                                                                                             </body>
          </html>
                                                                            </html>
                                                                                                                                             </html>
                                                                                                                                                                                                              </html>
```

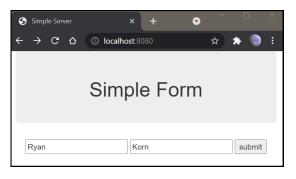
// Dependencies const http = require('http'); const PORT = 8080; const handleRequest = (req, res) => { // Saving the request data as a variable let requestData = "; // When the server receives data... $reg.on('data', (data) => {$ // Add it to requestData. requestData += data; // When the request has ended... req.on('end', () \Rightarrow { // Log (server-side) the request method, as well as the data received! console.log('You did a \${req.method}, with the data:\n, \${requestData}'); res.end(); }); **}**; // Create the server, assign it to a variable called "server" const server = http.createServer(handleRequest); // Start our server server.listen(PORT, () => { console.log('Server listening on: http://localhost:\${PORT}'); **})**;

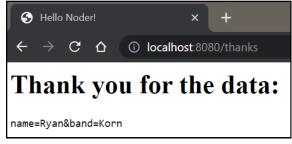
Request Methods

```
C:\Users\const\Documents\UNCC BootCamp\Class\Week 11\11-express\
01-Activities\06-Request-Methods>node server.js
Server listening on: http://localhost:8080
You did a GET, with the data:
,
```

POST Method

```
// Dependencies
const http = require('http');
const fs = require('fs');
const PORT = 8080;
const renderWelcomePage = (req, res) => {
 fs.readFile('${ dirname}/index.html', (err, data) => {
  if (err) {
   res.writeHead(500, { 'Content-Type': 'text/html' });
     '<html><head><title>Oops</title></head><body><h1>Oops, there was an error</h1></html>'
   } else {
   // We then respond to the client with the HTML page by specifically telling the browser that
           we are delivering an html file.
   res.writeHead(200, { 'Content-Type': 'text/html' });
   res.end(data);
 });
};
const renderThankYouPage = (req, res) => {
 // Saving the request posted data as a variable.
 let requestData = ";
 let myHTML =
  "<html><head><title>Hello Noder!</title></head><body><h1>Oops, I didn't get any data</h1></body></html>";
 // When the server receives data, it will add it to requestData.
 req.on('data', (data) => {
  requestData += data;
  console.log('You just posted some data to the server:\n', requestData);
   <html>
   <head>
     <title>Hello Noder!</title>
    </head>
     <h1>Thank you for the data: </h1>
     <code>${requestData}</code>
    </body>
   </html>
 });
 // When the request has ended...
 req.on('end', () \Rightarrow {
  res.writeHead(200, { 'Content-Type': 'text/html' });
  res.end(myHTML);
 });
const handleRequest = (req, res) => {
 const path = req.url;
 switch (path) {
  case '/thanks':
   return renderThankYouPage(req, res);
   return renderWelcomePage(req, res);
};
// Create the server and assign it to a variable called "server"
const server = http.createServer(handleRequest);
// Starts our server.
server.listen(PORT, () => {
 console.log('Server listening on: http://localhost:\{PORT\}');
});
```





C:\Users\const\Documents\UNCC BootCamp\Class\Week 11\11-express\
01-Activities\07-POST-Method\Solved>node server.js
Server listening on: http://localhost:8080
You just posted some data to the server:
name=Ryan&band=Korn

```
<!DOCTYPE html>
<html>
<head>
<title>Simple Server</title>
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
</head>
<body>
<div class='container'>
  <div class='iumbotron text-center'>
   <h1>Simple Form</h1>
  </div>
  <div class="row">
   <div class="col-sm-12 text-center">
    <form action="http://localhost:8080/thanks" method="POST">
    <input name="name" placeholder="enter your name">
     <input name="band" placeholder="enter your favorite band">
    <button type='submit'>submit</button>
   </form>
   </div>
 </div>
</div>
</body>
</html>
```

```
// Dependencies
const express = require('express');
const app = express();
const PORT = 3000;
// Data
const characters = [
  routeName: 'yoda',
  name: 'Yoda'.
  role: 'Jedi Master',
  age: 900,
  forcePoints: 2000,
  routeName: 'darthmaul'.
  name: 'Darth Maul',
  role: 'Sith Lord',
  age: 200,
  forcePoints: 1200,
  routeName: 'obiwankenobi',
  name: 'Obi Wan Kenobi',
  role: 'Jedi Knight',
  age: 60,
  forcePoints: 1350,
// Routes
app.get('/', (req, res) => {
res.send('Welcome to the Star Wars Page!');
});
app.get('/:character', (req, res) => {
const chosen = req.params.character;
 // What does this log?
 console.log(chosen);
 res.end();
});
// Listener
app.listen(PORT, () => console.log(`App listening on PORT ${PORT}`));
```

Star Wars Model (pt.1&2)

```
C:\Users\const\Documents\UNCC BootCamp\Class\Week 11\11-express\
01-Activities\09-StarWars-2>node server2.js
App listening on PORT 3000
yoda
```



```
// Directed Routes (From Pt. 1)
app.get("/", (req, res) => {
  res.send("Welcome to the Star Wars Page!");
});
app.get("/yoda", (req, res) => {
  res.json(yoda);
});
app.get("/darthmaul", (req, res) => {
  res.json(darthmaul);
});
app.get("/obiwan", (req, res) => {
  res.json(obiwan);
});
```

Star Wars Model (pt.3&4)

```
// Dependencies
const express = require("express");
const app = express();
const \overrightarrow{PORT} = 3000;
// Data
const characters = [
  routeName: "yoda",
  name: "Yoda",
  role: "Jedi Master",
  age: 900,
  forcePoints: 2000,
  routeName: "darthmaul",
  name: "Darth Maul",
  role: "Sith Lord",
  age: 200,
  forcePoints: 1200,
  routeName: "obiwankenobi".
  name: "Obi Wan Kenobi",
  role: "Jedi Master",
  age: 55,
  forcePoints: 1350.
// Routes
app.get("/", (req, res) => res.send("Welcome to the Star Wars Page!"));
// Displays all characters
app.get("/api/characters", (req, res) => res.json(characters));
// Displays a single character, or shows "No character found"
app.get("/api/characters/:character", (req, res) => {
 // Grab the selected parameter
 const chosen = req.params.character;
 console.log(chosen);
 // Check each character routeName and see if the same as "chosen"
 for (let i = 0; i < \text{characters.length}; i++) {
  // If the statement is true, send the character back as JSON,
  if (chosen === characters[i].routeName) {
   return res.json(characters[i]);
 // otherwise send back "false"
 return res.json(false);
});
// Listener
app.listen(PORT, () => {
 console.log('App listening on PORT ${PORT}');
});
```

```
③ localhost:3000/api/characters/ × +

← → C ⚠ ① localhost:3000/api/characters/

[{"routeName":"yoda","name":"Yoda","role":"Jedi Master","age":900,"forcePoints":2000},
{"routeName":"darthmaul","name":"Darth Maul","role":"Sith Lord","age":200,"forcePoints":1200},
{"routeName":"obiwankenobi","name":"Obi Wan Kenobi","role":"Jedi Master","age":55,"forcePoints":1350}]
```

Star Wars Model (pt.5&6)

</div>

</div>

```
const path = require('path');
// Sets up the Express App
const app = express();
const PORT = 3000:
// Sets up the Express app to handle data parsing
app.use(express.urlencoded({ extended: true }));
app.use(express.json());
                                                     Star Wars - Express
// Star Wars Characters (DATA)
const characters = [
                                                                                         Q ☆ 🔝 Incognito
                                                        → C ① localhost:3000
  routeName: 'yoda',
  name: 'Yoda'.
 role: 'Jedi Master',
                                                      Star Wars Express
  age: 900.
                                                       The greatest resource in the galaxy for Star Wars statistics!
  forcePoints: 2000,
  routeName: 'darthmaul',
 name: 'Darth Maul'
                                                      Character Search
  role: 'Sith Lord',
  age: 200,
  forcePoints: 1200.
 routeName: 'obiwankenobi'.
                                                      Character Statistics
  name: 'Obi Wan Kenobi',
  role: 'Jedi Master',
                                                      Darth Maul
  age: 55.
  forcePoints: 1350.
                                                      Role: Sith Lord
                                                      Age: 200
                                                      Force Points: 1200
// Routes
// res.send("Welcome to the Star Wars Page!")
app.get('/', (req, res) => res.sendFile(path.join( dirname, 'view.html')));
// Displays all characters
app.get('/api/characters', (req, res) => res.json(characters));
// Displays a single character, or returns false
app.get('/api/characters/:character', (req, res) => {
 const chosen = req.params.character;
 console.log(chosen);
 /* Check each character routeName and see if the same as "chosen"
 If the statement is true, send the character back as JSON,
 otherwise send the boolean value false as JSON */
 for (let i = 0; i < \text{characters.length}; i++) {
  if (chosen === characters[i].routeName) {
    return res.json(characters[i]);
 return res.json(false);
});
// Create New Characters - takes in JSON input
app.post('/api/characters', (req, res) => {
 // req.body hosts is equal to the JSON post sent from the user
 // This works because of our body parsing middleware
 const newcharacter = req.body;
 console.log(newcharacter);
 // We then add the json the user sent to the character array
 characters.push(newcharacter);
 // We then display the JSON to the users
 res.json(newcharacter);
});
// Starts the server to begin listening
app.listen(PORT, () => console.log(`App listening on PORT ${PORT}`));
```

// Dependencies

const express = require('express');

```
<!DOCTYPE html>
                                                                         <script type="text/javascript">
                                                                           const searchBtn = document.getElementById('search-btn');
<html lang="en">
<head>
                                                                            const statsEl = document.getElementById('stats');
 <meta charset="UTF-8">
                                                                            const nameEl = document.getElementById('name');
 <title>Star Wars - Express</title>
                                                                            const roleEl = document.getElementBvId('role'):
                                                                           const ageEl = document.getElementById('age');
 <!-- Latest compiled and minified CSS & JS -->
 link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/
                                                                            const fpEl = document.getElementById('force-points');
            font-awesome/4.7.0/css/font-awesome.min.css" />
 link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/
                                                                            // What is this code doing?
            bootstrap/4.5.2/css/bootstrap.min.css" />
                                                                            searchBtn.addEventListener('click', () => {
                                                                            let searchedCharacter = document
<body>
                                                                              .getElementById('character-search')
 <div class="container">
                                                                              .value.trim():
  <div class="iumbotron">
   <h1>Star Wars Express</h1>
                                                                              // Using a RegEx Pattern to remove spaces
   <h3>The greatest resource in the galaxy for Star Wars statistics!
                                                                                    from searchedCharacter
                                                                              // You can read more about RegEx Patterns later
   <hr>
                                                                                    https://www.regexbuddy.com/regex.html
   <button class="btn btn-danger btn-lg"><span class="fa fa-plus">
                                                                             searchedCharacter = searchedCharacter.replace(/\s+/
            </span> Add New Character</button>
                                                                        g, ").toLowerCase();
  </div>
  <div class="row">
                                                                              // OUESTION: What does the fetch method do, and
   <div class="col-12">
                                                                                    what parameters is it expecting
    <div class="card mb-4">
                                                                             fetch('/api/characters/${searchedCharacter}', {
      <div class="card-header">
                                                                              method: 'GET'.
      <h3><strong>Character Search</strong></h3>
                                                                              headers: {
      </div>
                                                                               'Content-Type': 'application/json',
      <div class="card-body">
      <input type="text" id="character-search" class="form-control">
                                                                              .then((response) => response.json())
       <div class="text-right">
                                                                              .then((data) => {
       <button type="submit" class="btn btn-primary btn-md"
                                                                               console.log(data):
           id="search-btn"><span class="fa fa-search"></span>
                                                                               const { name, role, age, forcePoints } = data;
         Search
                                                                               if (data) {
         Your Feelings. You know it to be true.</button>
                                                                                statsEl.setAttribute('style', 'display: inline');
                                                                                nameEl.textContent = name;
       </div>
      </div>
                                                                                roleEl.textContent = role;
    </div>
                                                                                ageEl.textContent = age;
                                                                                fpEl.textContent = forcePoints;
     <div class="card">
                                                                               } else {
      <div class="card-header">
                                                                                nameEl.textContent =
      <h3><strong>Character Statistics</strong></h3>
                                                                                 'The force is not strong with this one. Your character
                                                                                    was not found.':
      <div class="card-body">
                                                                                statsEl.setAttribute('style', 'display: none');
      <h2 id="name">Yoda</h2>
       <div id="stats" style="display: none;">
                                                                              })
        <h3><strong>Role:</strong> <span id="role">Jedi Master
                                                                              .catch((error) => {
            </span></h3>
                                                                               console.error(error);
        <h3><strong>Age:</strong> <span id="age">900</span>
                                                                              });
        <h3><strong>Force Points:</strong>
                                                                         </script>
            <span id="force-points">2000</span></h3>
                                                                        </body>
      </div>
                                                                        </html>
      </div>
    </div>
```