

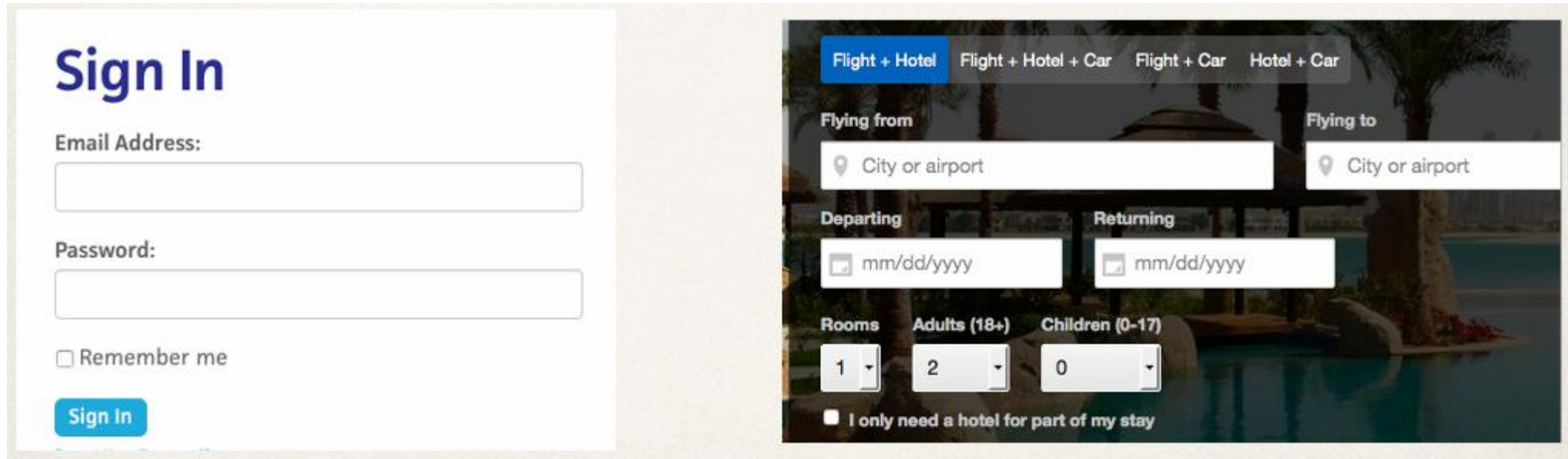
HTML Forms

Built-In Server Objects

- Review HTML Forms
- Building HTML Forms
- Reading Form Data with JSP

Review HTML Forms

- HTML Forms are used to get input from the user



The image displays two distinct HTML forms side-by-side. The left form is a 'Sign In' page with a title, two text input fields for 'Email Address' and 'Password', a 'Remember me' checkbox, and a 'Sign In' button. The right form is a travel booking interface with a tabbed menu at the top, location and date pickers, room and passenger dropdowns, and a checkbox for partial hotel stays.

Sign In

Email Address:

Password:

☐ Remember me

Sign In

Flight + Hotel Flight + Hotel + Car Flight + Car Hotel + Car

Flying from Flying to

City or airport City or airport

Departing Returning

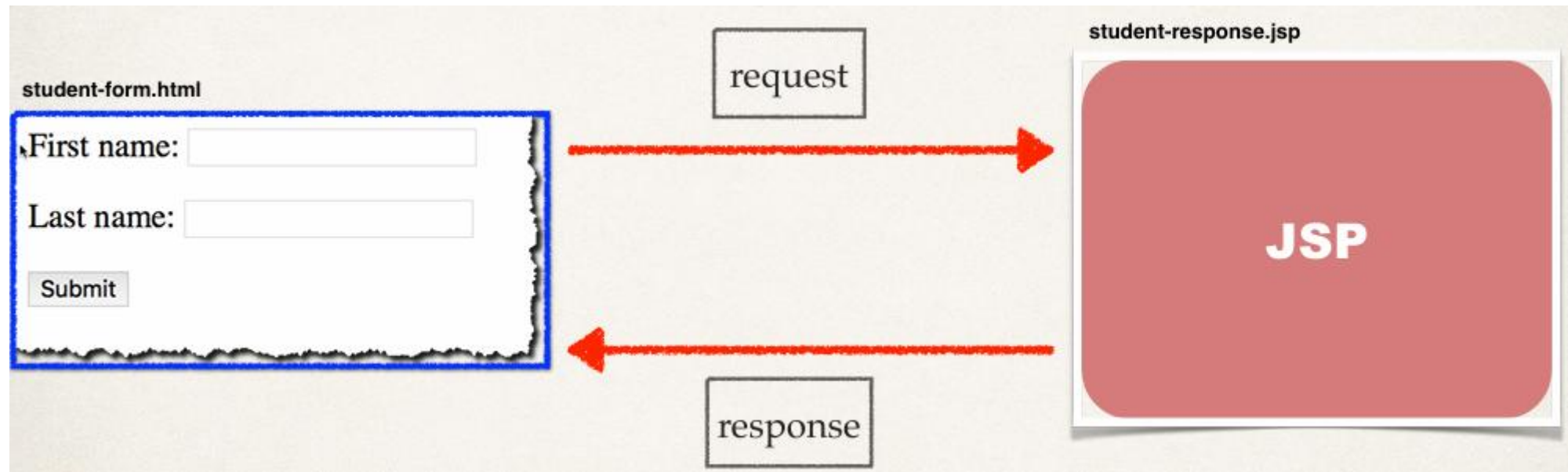
mm/dd/yyyy mm/dd/yyyy

Rooms Adults (18+) Children (0-17)

1 2 0

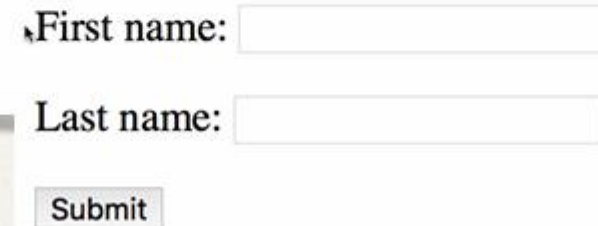
☐ I only need a hotel for part of my stay

HTTP Request / Response



Step 1: Building HTML Form

```
<form action="student-response.jsp">  
  
  First name: <input type="text" name="firstName" />  
  
  Last name: <input type="text" name="lastName" />  
  
  <input type="submit" value="Submit" />  
  
</form>
```



First name:

Last name:

Step 2: Reading Form Data with JSP

HTML FILE

First name: `<input type="text" name="firstName" />`

Last name: `<input type="text" name="lastName" />`

JSP FILE

The student is confirmed:

```
<%= request.getParameter("firstName") %> <%= request.getParameter("lastName") %>
```

Step 2: Reading Form Data with JSP

- Alternate syntax: `${param.formFieldName}`

The student is confirmed: `${param.firstName}` `${param.lastName}`

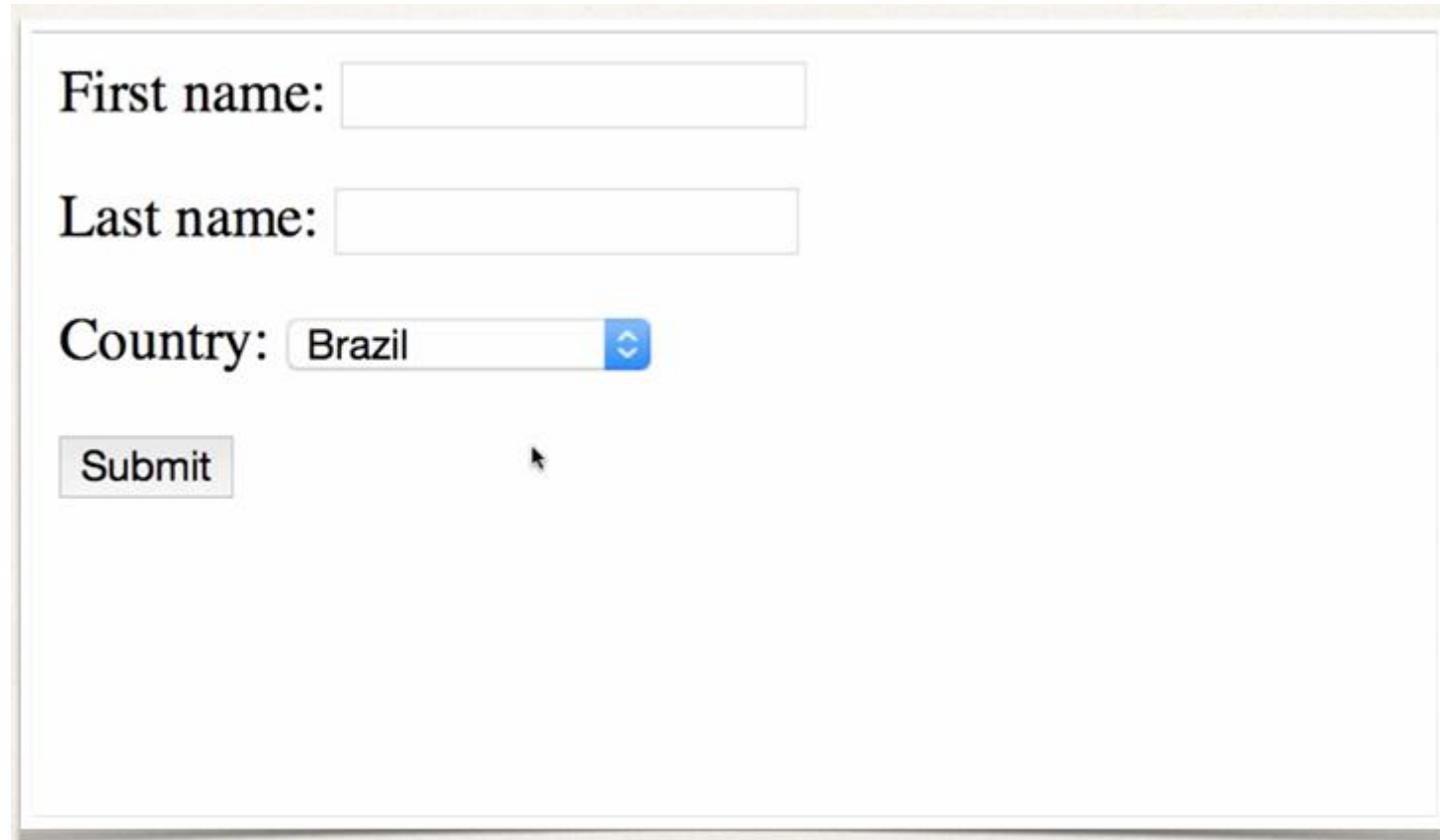
Short cut method:

Only used for displaying form data

Topics


- Drop-Down Lists in Action
- Drop-Down Lists - HTML
- Full JSP Example

Drop-Down Lists in Action



First name:

Last name:


Country: 

Drop-Down List - HTML <select> Tag

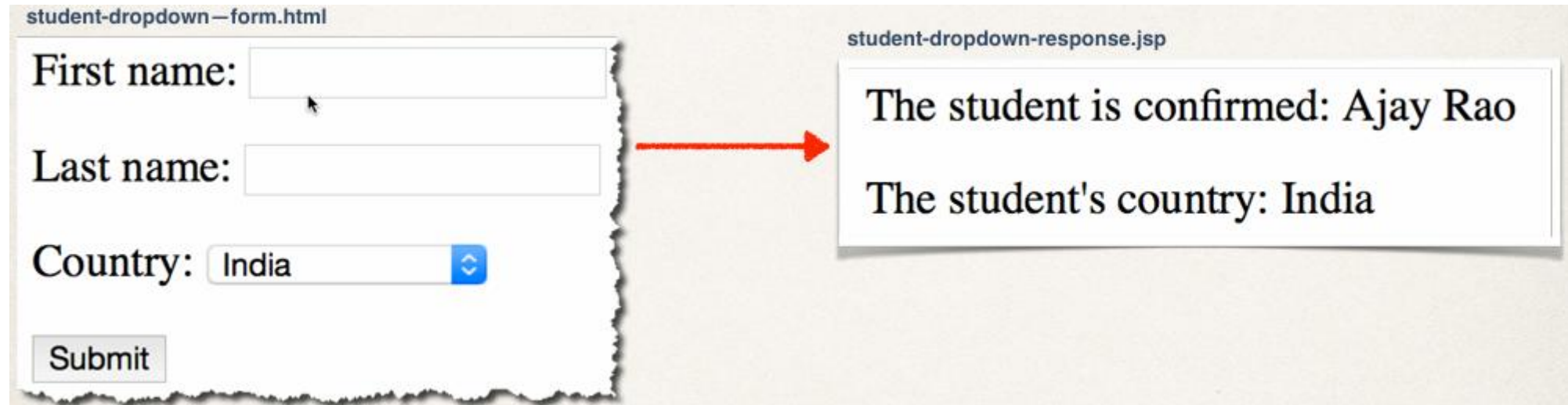
```
<select name="country">  
  <option>Brazil</option>  
  <option>France</option>  
  <option>Germany</option>  
  <option>India</option>  
  ...  
</select>
```

First name:

Last name:

Country: 

Pulling It All Together



To Do List

1. Create HTML Form
2. Create JSP confirmation page

Topics

- Radio Button Demo
- HTML for Radio Button
- Full JSP Example

Radio Button Demo

First name:

Last name:

Favorite Programming Languages:

☐ Java ☐ C# ☐ PHP ☐ Ruby

HTML for Radio Buttons

```
<input type="radio" name="favoriteLanguage" value="Java"> Java
```

```
<input type="radio" name="favoriteLanguage" value="C#"> C#
```

```
<input type="radio" name="favoriteLanguage" value="PHP"> PHP
```

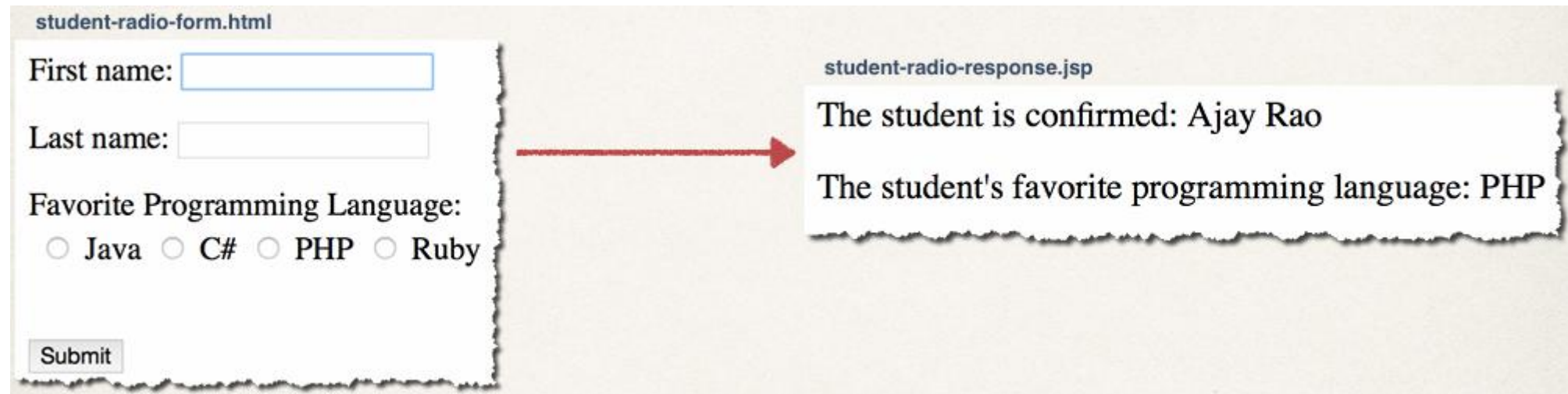
```
<input type="radio" name="favoriteLanguage" value="Ruby"> Ruby
```

First name:

Last name:

Favorite Programming Language:
☐ Java ☐ C# ☐ PHP ☐ Ruby

Pulling It All Together



To Do List

1. Create HTML For
2. Create JSP confirmation page

Topics

- Check Box Demo
- HTML for Check Box
- Full JSP Example

Check Box Demo

First name:

Last name:

Favorite Programming Languages:

☐ Java ☐ C# ☐ PHP ☐ Ruby

HTML for Check Box

```
<input type="checkbox" name="favoriteLanguage" value="Java"> Java
```

```
<input type="checkbox" name="favoriteLanguage" value="C#"> C#
```

```
<input type="checkbox" name="favoriteLanguage" value="PHP"> PHP
```

```
<input type="checkbox" name="favoriteLanguage" value="Ruby"> Ruby
```

First name:

Last name:

Favorite Programming Languages:

☐ Java ☐ C# ☐ PHP ☐ Ruby

Reading Checkbox Values

- The user can check multiple boxes

```
String[] langs = request.getParameterValues("favoriteLanguage");
```



First name:

Last name:

Favorite Programming Languages:

☐ Java ☐ C# ☐ PHP ☐ Ruby

Pulling It All Together

The diagram illustrates a web form submission process. On the left, a form titled 'student-checkbox-form.html' contains input fields for 'First name' (with the letter 'I' entered) and 'Last name', a section for 'Favorite Programming Languages' with checkboxes for Java, C#, PHP, and Ruby, and a 'Submit' button. A red arrow points from this form to a response box on the right titled 'student-checkbox-response.jsp'. The response box displays the confirmed student name 'Ajay Rao' and a bulleted list of favorite programming languages: Java, C#, and Ruby.

student-checkbox-form.html

First name:

Last name:

Favorite Programming Languages:

☐ Java ☐ C# ☐ PHP ☐ Ruby

student-checkbox-response.jsp

The student is confirmed: Ajay Rao

The student's favorite programming languages:

- Java
- C#
- Ruby

To Do List

1. Create HTML Form
2. Create JSP confirmation page