Project 1

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IntelliJ Ultimate 2017.1.3

Windows 10

To run this Project, simply unzip and import the main project directory “hello1” into your IDE. Then, ensure you have the server configured to deploy the “hello1:war exploded” artifact at launch.

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index.xhtml

Left file: Original index.xhtml

Right file: Modified index.xhtml

```
<h:graphicImage url="#{resource['images:duke.waving.gif']}"
        alt="Duke waving his hand"/>
<h2>Hello, my name is Duke. What's yours?</h2>
<h:graphicImage url="#{resource['images:pika.png']}"
        alt="Pikachu"/>
<h2>Hello, my name is Pikachu. What's yours?</h2>
```

```
<p></p>
<h2>What's your favorite color?</h2>
<h:inputText id="favcolor"
        title="My favorite color is: "
        value="#{hello.color}"
        required="true"
        requiredMessage="Error: A color is required."
        maxlength="15" />
```

response.xhtml

Left file: Original response.xhtml

Right file: Modified response.xhtml

```
    21          <h:graphicImage url="#{resource['images:duke.waving.gif']}"
    22                  alt="Duke waving his hand"/>
    23          <h2>Hello, #{hello.name}!</h2>
        21      <h:graphicImage url="#{resource['images:pika.png']}"
        22              alt="Pikachu"/>
        23      <h2>#{hello.name}!</h2>
```

```
        25        <h2>#{hello.color}!</h2>
        26        <p></p>
```

Hello.java

Left file: Original Hello.java

Right file: Modified Hello.java

```
    19    private String color;
```

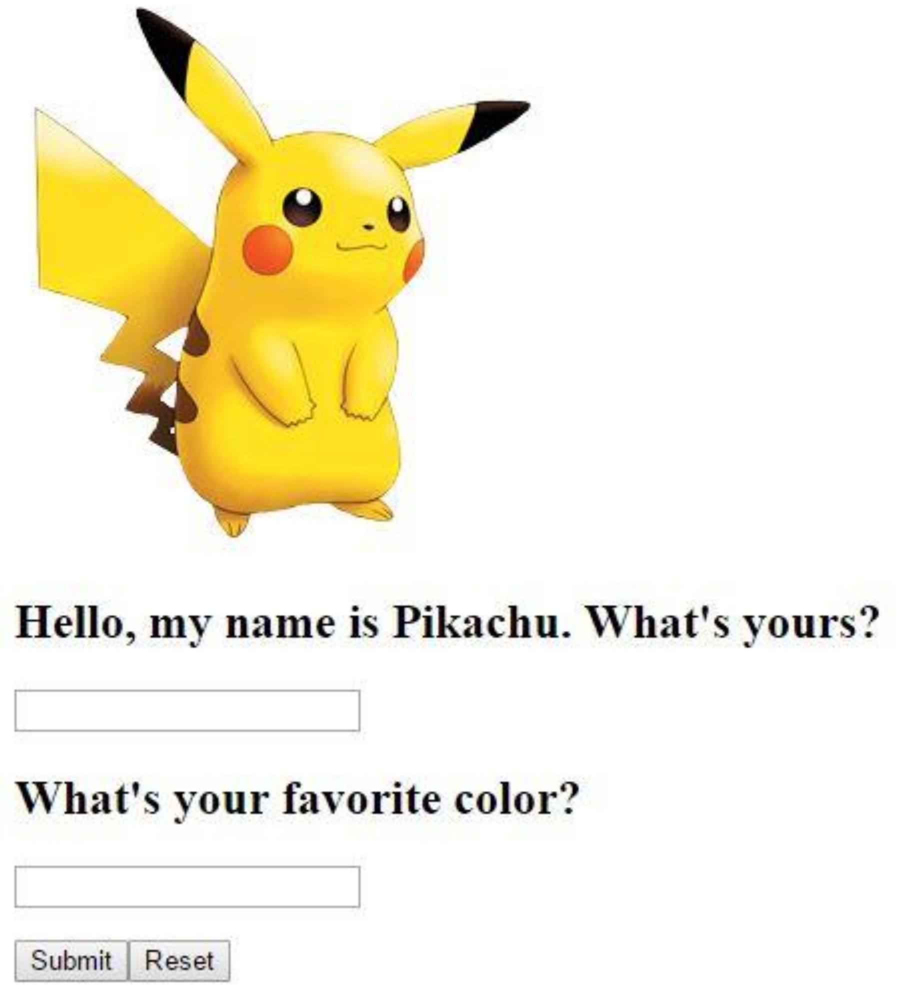
```
    28    public String getColor() {
    29        return color;
    30    }
```

```
28            this.name = user_name;
    33    if (user_name.equalsIgnoreCase("Pikachu")) {
    34        this.name = "That's my name too!";
    35    } else {
    36        this.name = "Hello, " + user_name;
    37    }
```

```
    40    public void setColor(String fav_color) {
    41        if (fav_color.equalsIgnoreCase("Yellow")) {
    42            this.color = "That's my favorite color too!";
    43        } else {
    44            this.color = fav_color + " is a cool color";
    45        }
    46    }
```

Final Product

Upon running the server, the first thing that should open in your web browser is a page that looks like this.

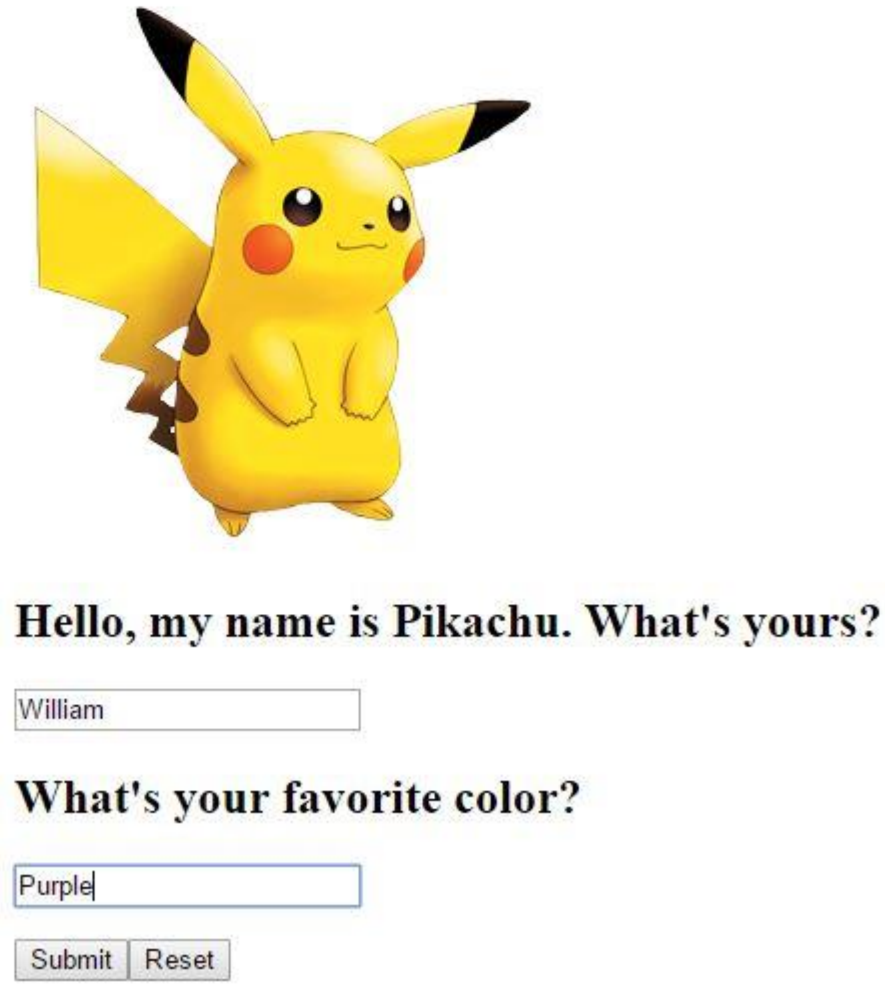


Hello, my name is Pikachu. What's yours?

What's your favorite color?

As you can see, I have swapped out the duke.waving.gif image for an image of the cartoon character Pikachu, changing the name as appropriate. You may also notice that I have added a second text field, that asks the question “What’s your favorite color?”

I then entered some inputs into the blank fields.



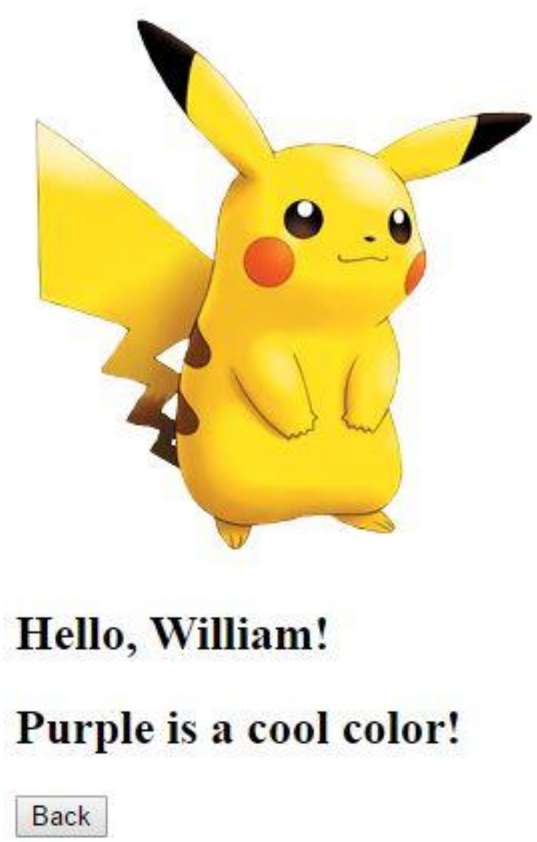
Hello, my name is Pikachu. What's yours?

William

What's your favorite color?

Purple

I have added my name, and my favorite color to the appropriate text boxes. Next, I will click the “Submit” button.

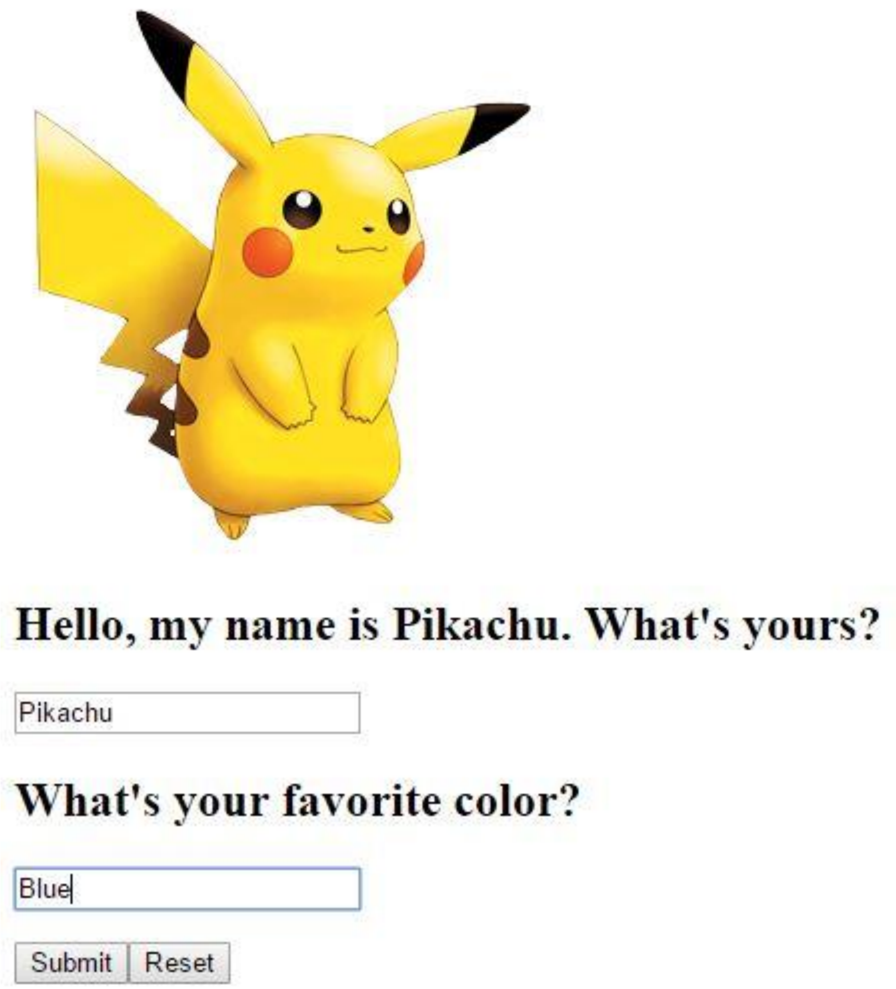


Hello, William!

Purple is a cool color!

I am then greeted, and told that the color I have picked is a cool color.

However, I have also added additional logic to the program, depending on how you answer the two questions. Next, I will input my name as Pikachu, and my favorite color as Blue.



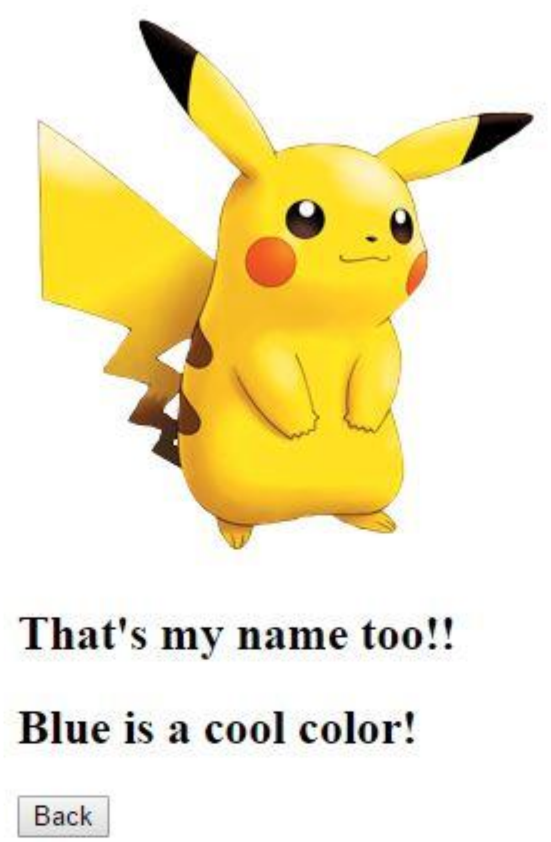
Hello, my name is Pikachu. What's yours?

Pikachu

What's your favorite color?

Blue

After entering the information like so, I will click the “Submit” button.

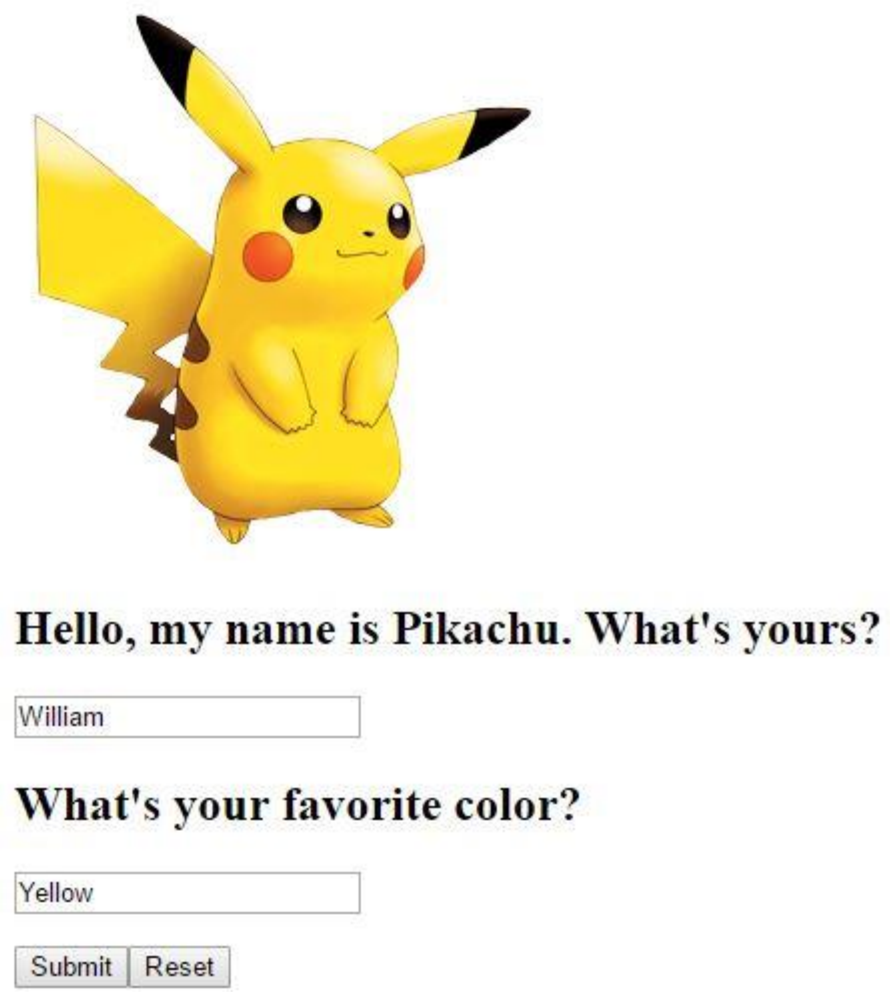


That's my name too!!

Blue is a cool color!

As you can see, I am no longer greeted by name! “Pikachu” realizes you have entered his name, and makes the conclusion that you two share the same name.

I have also added similar logic to the favorite color input.



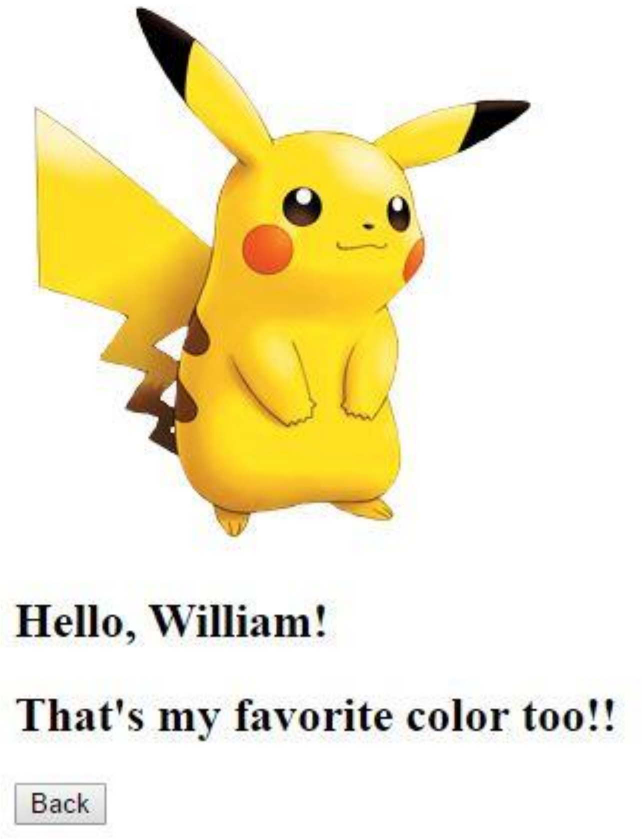
Hello, my name is Pikachu. What's yours?

William

What's your favorite color?

Yellow

After adding the following inputs, I will click the “Submit” button to see the results.



Hello, William!

That's my favorite color too!!

As you can see, since I stated that my favorite color was Yellow, “Pikachu” makes the conclusion that you share the same favorite color.

Although I did not screenshot the fact, “Pikachu” will be able to determine if you enter his name, or his favorite color, no matter what case the input is in. I have achieved this by using .equalsIgnoreCase when comparing the user input to the appropriate Strings.

Lessons Learned

One of the main things that I took away from this project was the differences in the file structure in Java EE in comparison to Java SE. The directory I looked at most, and learned the most about was the webapp files and folders. It holds all the resources, and xhtml files that go into making a Java EE application.

In addition, I actually thought it would be a slightly more difficult to understand some of the xhtml coding. I personally have quite a bit of prior experience with html due to the fact that I have made a couple of websites, but I was pleasantly surprised to find that xhtml is not vastly different. It is just a matter of learning some of the unique tags that I am not quite used to.

Overall, I thought this was a nice starting project to this course. It allowed me to understand the fundamentals of what goes into Java EE application development. In addition, I was able to get my feet wet with using, and understanding xhtml. I am excited for the rest of this course, and cannot wait to learn more!