| Core | Deadline: Sunday of Week 3 | Difficulty Level: Basic | Est. Time: < 1 hr |

Daikichi Path Variables

Now that you have created the Hello Human application using query parameters, you're going to handle information sent through the URL another way, through path variables to return varying computed string responses back to the client.
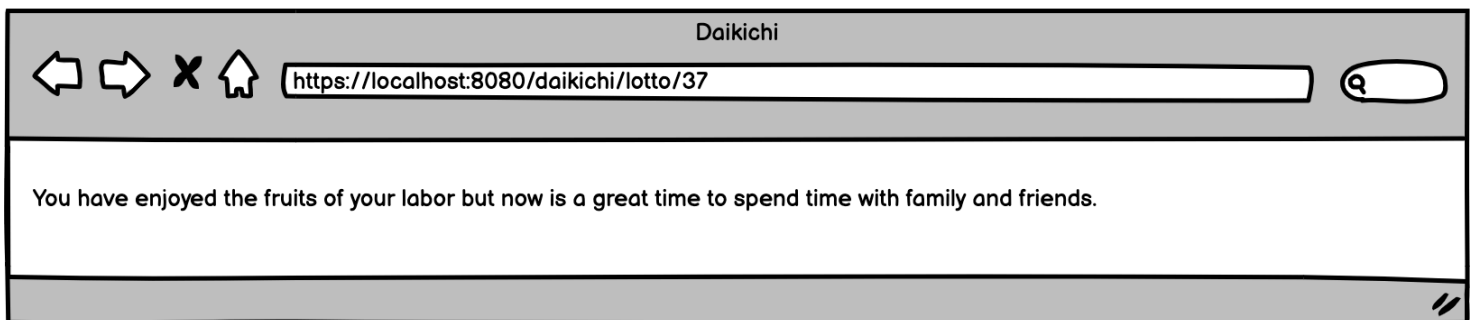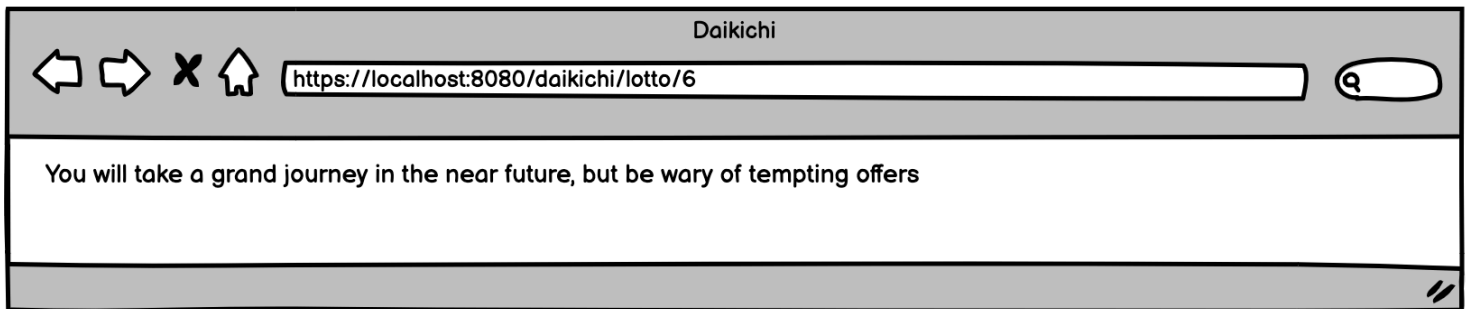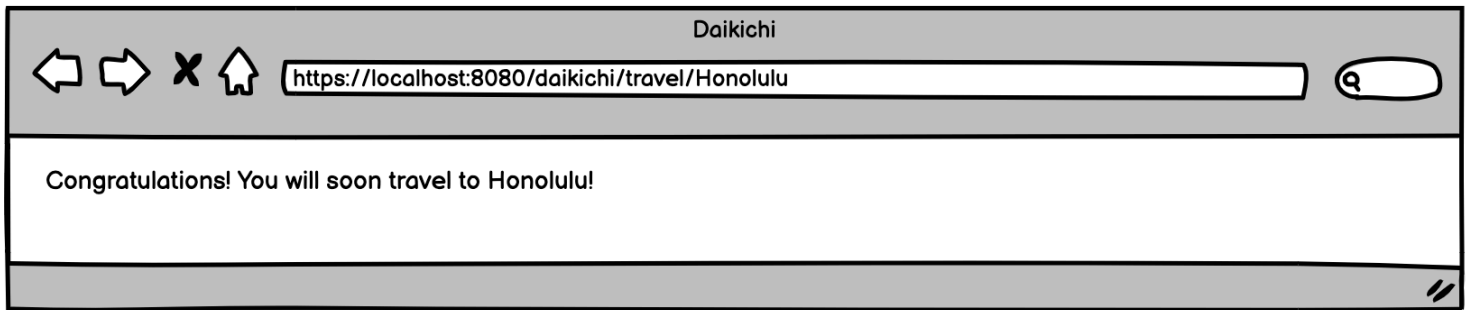
🔍 Learning Objectives:

- Become familiar with creating a package in Spring Tool Suite

- Use and understand @RestController annotation

- Pass information from the client using @RequestMapping and URL path variables

- Identify and use correctly the @PathVariable annotation and corresponding parameter declaration syntax

- Use @RequestMapping to process information from the client to return conditional or varied responses

Assignment:

For this assignment we are going to add to our Daikichi Routes project. To review, the first three routes, from our Daikichi Routes assignment used the @RequestMapping annotation with static route URLs. The last two routes will be dynamic, and use path variables, so you will also need to use the @PathVariable annotation.

Adding request mappings to your Daikichi project, complete the assignment tasks given. Here is some example output:

Daikichi

https://localhost:8080/daikichi/travel/Honolulu

Congratulations! You will soon travel to Honolulu!

Daikichi

https://localhost:8080/daikichi/lotto/6

You will take a grand journey in the near future, but be wary of tempting offers

Daikichi

https://localhost:8080/daikichi/lotto/37

You have enjoyed the fruits of your labor but now is a great time to spend time with family and friends.

- [ ] Add 2 new routes with corresponding method definitions in your Daikichi Routes project that will accept path variables.

- [ ] Have an http GET request to 'http://localhost:8080/daikichi/travel/kyoto' where the URL will take any string for the city and display a text that says 'Congratulations! You will soon travel to kyoto!' (Replace kyoto with the provided city.)

☐   Have an http GET request to 'http://localhost:8080/daikichi/lotto/8', where the URL will take any integer. If the number is even, display a text that says 'You will take a grand journey in the near future, but be weary of tempting offers'. If it is odd, display a text that says "You have enjoyed the fruits of your labor but now is a great time to spend time with family and friends."