


# CS 320: Lab02a: Web Applications II Lab Sign-Off

## Tests for Web Applications II Lab (Lab02a) Sign-Off

- 1) Pull up **Lab02a** in Eclipse: Verify that the lab has been correctly renamed: “**lab02**” is replaced with “**lab02a\_xxxx**”, where “xxxx” is the student’s YCP username
- 2) Pull up the **Index page**, then go to **Add Numbers** from the **Index page**: The **AddNumbers** page appears, with three number fields
- 3) Enter **three numbers**: Get correct result
- 4) Delete the **third number**: Get correct error message: “**Please enter 3 numbers**”, with all fields still filled with the submitted values (this could be difficult to implement)
- 5) Replace the **third number** with “**abc**”: Get correct error message: “**Invalid double**”, with all fields still filled with the submitted values (this could be difficult to implement)
- 6) Go back to the **Index Page**
- 7) Go to **Multiply Numbers** from the **Index page**: The **MultiplyNumbers** page appears, with two number fields
- 8) Enter **two numbers**: Get correct result
- 9) Delete the **first number**: Get correct error message: “**Please enter 2 numbers**”, with all fields still filled with the submitted values (this could be difficult to implement)
- 10) Replace **first number** with “**abc**”: Get correct error message: “**Invalid double**”, with all fields still filled with the submitted values (this could be difficult to implement)
- 11) Go back to the **Index Page**
- 12) Go to **Guessing Game** from the **Index page**: The **GuessingGame** page appears, with “**Start Game**” displayed
- 13) Use **33** as the number trying to be guessed: Press the correct buttons for each guess, eventually guesses 33  
Correct sequence of guesses: **50 -> 25 -> 37 -> 31 -> 34 -> 32 -> 33**
- 14) Pull up **Numbers.java**: Verify that it exists
- 15) Pull up **NumbersController.java**: verify that it has **add()** and **multiply()** methods, and that **AddNumbersServlet** calls the **add** method, and **MultiplyServlet** calls the **multiply** method
- 16) Pull up **addNumbers.JSP**: Verify that it is pulling data for the fields directly from the **Numbers.java** model, and **NOT** using just the values passed in as named parameters through the Servlet (except for the **Numbers.java** model reference)
- 17) Run test cases for **NumbersController.java** controller and **Numbers.java** model: Test cases exist and pass

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