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Assignment 2

Test Cases

Test Case 1:

Fail Case(Conversion)

Input was a binary number to be converted into a decimal (in this case the binary number inputted was 101). Expected output was a decimal number, 5. Actual output was blank and no result was displayed. This case showed lack of completion and correct output was not achieved.

Test Case 2:

Fail Case(Exception)

Conversion button was expected to compute conversion from binary input to display decimal conversion (to be displayed in decimal number text box). Actual output was a thrown exception which should have not been displayed. The expected output was to be a decimal number displayed in the decimal number text box. The exception should not have been thrown since a valid input was placed inside the binary text box.

Test Case 3:

Success Case(Conversion)

Conversion button correctly gave the desired output, conversion was successful. Input was a binary number and the desired output was a decimal number. Once the conversion button was clicked the process completed successfully, displaying the correct conversion value in the decimal text box.

Test Case 4:

Success Case(Method)

Method (parseBinary (String binaryString)) takes in binary string input. Method was implemented correctly and gave the desired output: convert a binary string to a decimal number. Method also throws NumberFormatException as desired in the assignment. Method runs without any errors.

Test Case 5:

Fail Case(Method)

Unable to implement thrown exception(NumberFormatException) inside method. Exception was not caught and incorrect value was passed to variable, causing program to crash. Input was not a binary string (integer value 33). The desired result was to catch the exception and display an error message. Actual output was an incorrect type passed to variable error(IllegalArguementException).