

## GEEN165 Lab Quiz 1

You are required to implement a restaurant meal calculator

$$\text{Total Bill} = \text{MenuPrice} * ((100 - \text{Discount})/100) * ((100 + \text{Tip})/100)$$

For full credit, your GUI should verify that the TextFields contain valid positive numerical values after the submit button is clicked. The result should be displayed in the bottom right next to Total Bill.

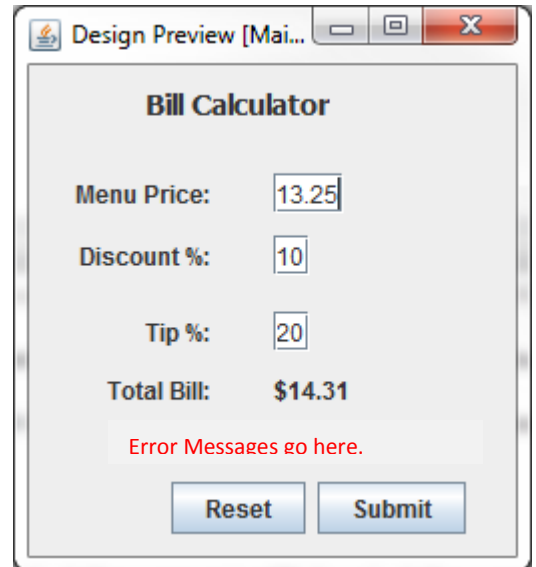
The Reset button clears the Menu Price, Discount and Tip fields back to 0.0.

### Grading:

Level 1 (5 pts) – Non- functional GUI with appropriate Layout Panes.

Level 2 (14 pts) – A functional GUI that calculates the bill with no input validation.

Level 3 (20 pts) – A functional GUI with input validation (checks for positive numerical values in the TextFields).



Design Preview [Main Window]

### Bill Calculator

Menu Price: 13.25

Discount %: 10

Tip %: 20

Total Bill: \$14.31

Error Messages go here.

Reset Submit