**Muhand Jumah**

**Lab 6**

# Testing Script

|  |  |
| --- | --- |
| Case | Result Expected |
| Press *Calculate* | Error message appears indicating that fields cannot be empty. |
| Press *Show recent calculations* | Nothing should happen, since we have done no calculations. |
| Enter a number in field *First Number* | Nothing noticeable |
| Enter a number in field *Second Number* | Nothing noticeable |
| Press *Calculate* | Error message appears indicating that no operator have been chosen. |
| Choose operator by pressing one of the following buttons, *+*, *-*, *\**, */*. | Nothing noticeable |
| Press *Calculate* | The results should show up in the *Results* field |
| Press *Show recent calculations* | A grid should come up showing all the previous calculations that have been done so far. |
| Press *Hide recent calculations* | The grid should disappear |

# Methods Explained

public double doTheMath(double fn, double sn, SharedProject.operators operat)

This method is responsible on doing all the math parts of the service, when the method is called, one needs to pass 3 parameters.

1. fn
   * The first number to be passed.
   * Must be of type double.
2. sn
   * The second number to be passed.
   * Must be of type double.
3. operat
   * This is the operator which should come from a different project which includes an enum class called “operators”, this class includes all the different operators allowed (e.g. +, -, etc...).
   * Must be of type operators (class from SharedProject).

This method will then take both parameters and check the operator being passed and then does the appropriate math operation and saves a session then returns the calculated value.

public List<string> getCalculations()

This method is responsible on returning all the sessions have been calculated as string items, or simply return a list of 1 string item indicating that there are no previous sessions have been done, if that’s the case.

**NOTE: In order for sessions to work, one needs to enable cookies.**