**CommonFunctions.java**

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Class that provides methods for clearing the menu screens and retrieving user input values.

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| public class **CommonFunctions** |

**Overview**:

Contains various methods to clear the menu screen in preparation for displaying the next menu and also methods for validating user input values.

**Class Constants:**

None.

**Public Variables:**

None.

**Private Instance Variables:**

None.

**Constructors:**

None.

**Public Methods:**

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| int **InputInt**(Scanner **keyboard**, int **min**, int **max**)  **keyboard** – Scanner object to allow harvesting keyboard input.  **min** – The minimum allowed input.  **max** – The maximum allowed input.  Filters and validates user integer input. |
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| double **InputDouble**(Scanner **keyboard**, double **min**, double **max**)  **keyboard** – Scanner object to allow harvesting keyboard input.  **min** – The minimum allowed input.  **max** – The maximum allowed input.  Filters and validates user double precision input. |

**Private Methods:**

void **InvalidInputInt**(Scanner **keyboard**)

**keyboard** – Scanner object to allow harvesting keyboard input.

The internal worker method for **InputInt**(). Filters and validates user double precision input.

Filters and validates user double precision input.

void **InvalidInputDouble**(Scanner **keyboard**)

**keyboard** – Scanner object to allow harvesting keyboard input.

The internal worker method for **InputInt**(). Filters and validates user double precision input.

**Mutators and Accessors:**

None.

**Public Static Methods:**

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| public static void **ClearScreen**() |
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Determines the operating system (currently “Windows” or “other”) being used and uses the OS specific function to clear the screen. This version has a delay implemented before clearing the screen.

public static void **NowaitClearScreen**()

No delay version of **ClearScreen**().