

Assignment 0 - BDSA

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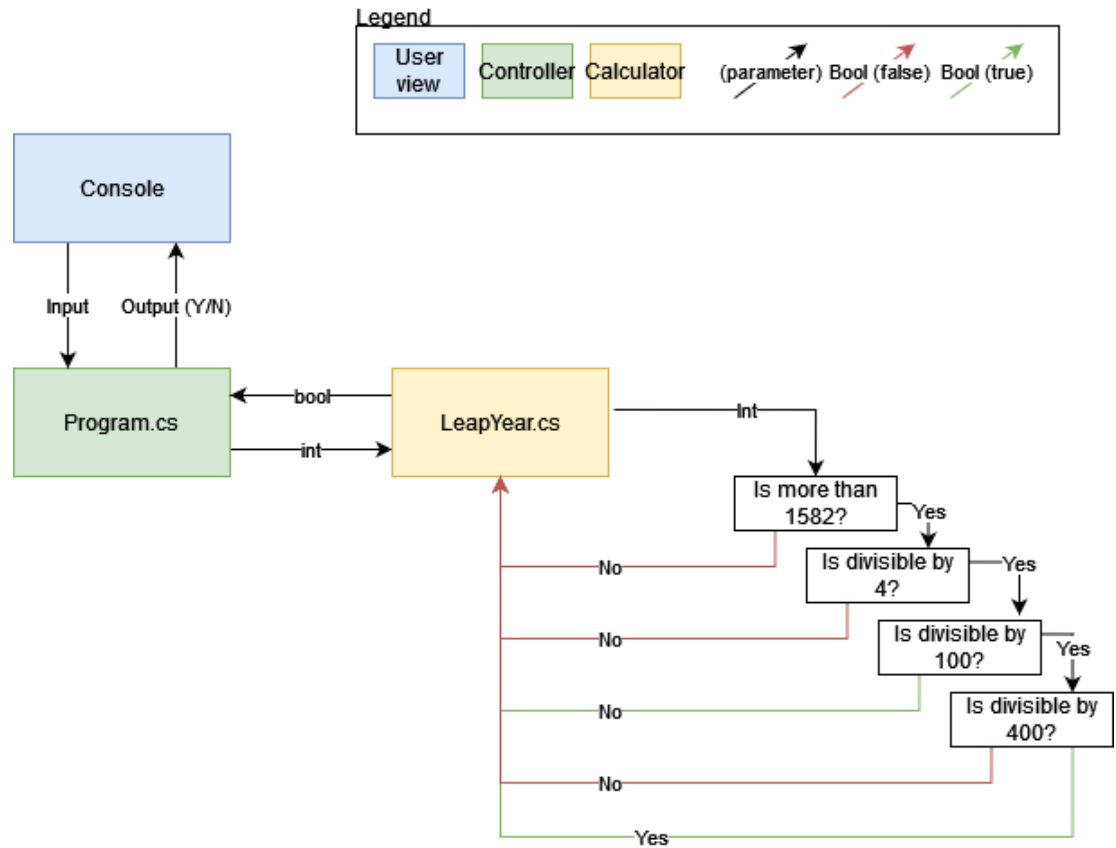


Figure 1: Diagram of leap year program

Figure 1 shows the diagram of the program. The program accepts an input from the user and outputs whether or not the input is a "leap year".

The console block represents the users chosen console application, wherein they run the program. Said console will ask them for an input in the style of a year. That is, an integer in the form XXXX (Where X is a number). This input is recieved by the controller block, which figures out if said input is valid. If it is, the `isLeapYear()` function is called with the input as parameter. On the right side of the diagram, the smaller white boxes represent the if statements determining whether or not the input is a leap year. The red and green arrows represent the return type, a false or true boolean.

In the end, the boolean is then returned to the controller which will, depending on the boolean, output "Yay" or "Nay" to the user.