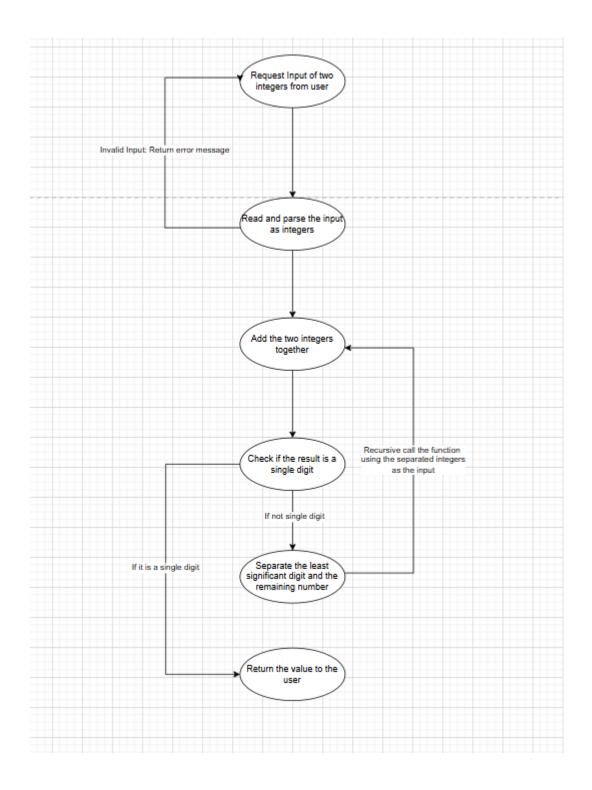
## Requirements:

- 1. The program must use recursion
- 2. We may assume integers only for the first solution
- 3. The program must read and accept an input of 2 numbers from an outside user
- 4. The program must return an accurate single digit value
- 5. The program may take floating-point/decimal values as an input (optional)
- 6. The program may be implemented in the language of our choice

## Design:



## Implementation (C#):

```
internal class Program
{
 // Needs testing/code review
  static int RecursiveAddition(int a, int b)
 {
   int sum = a + b;
   //Check if a single digit
   if (sum <= 9)
     return sum;
   }
   int leastSigDigit = sum % 10;
   int remainingNumber = sum / 10;
   return RecursiveAddition(remainingNumber, leastSigDigit);
 }
  static void Main()
 {
   //User menu needs to be implemented
   Console.WriteLine(RecursiveAddition(80, 53));
```