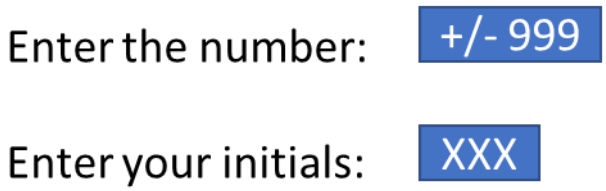
Assignment #6

Due date: 5/11/2019 at 23.55

This is an individual assignment

1. Black-box testing
   Given is the following specification

   A user is given the following input screen:



   Field 1: An amount between 0-100
   Field 2: the two char initials of the username, with the first initial to be capitalized. Both characters have to be regular char a..z, and cannot be any numbers or special characters.

   For the above specification, provide

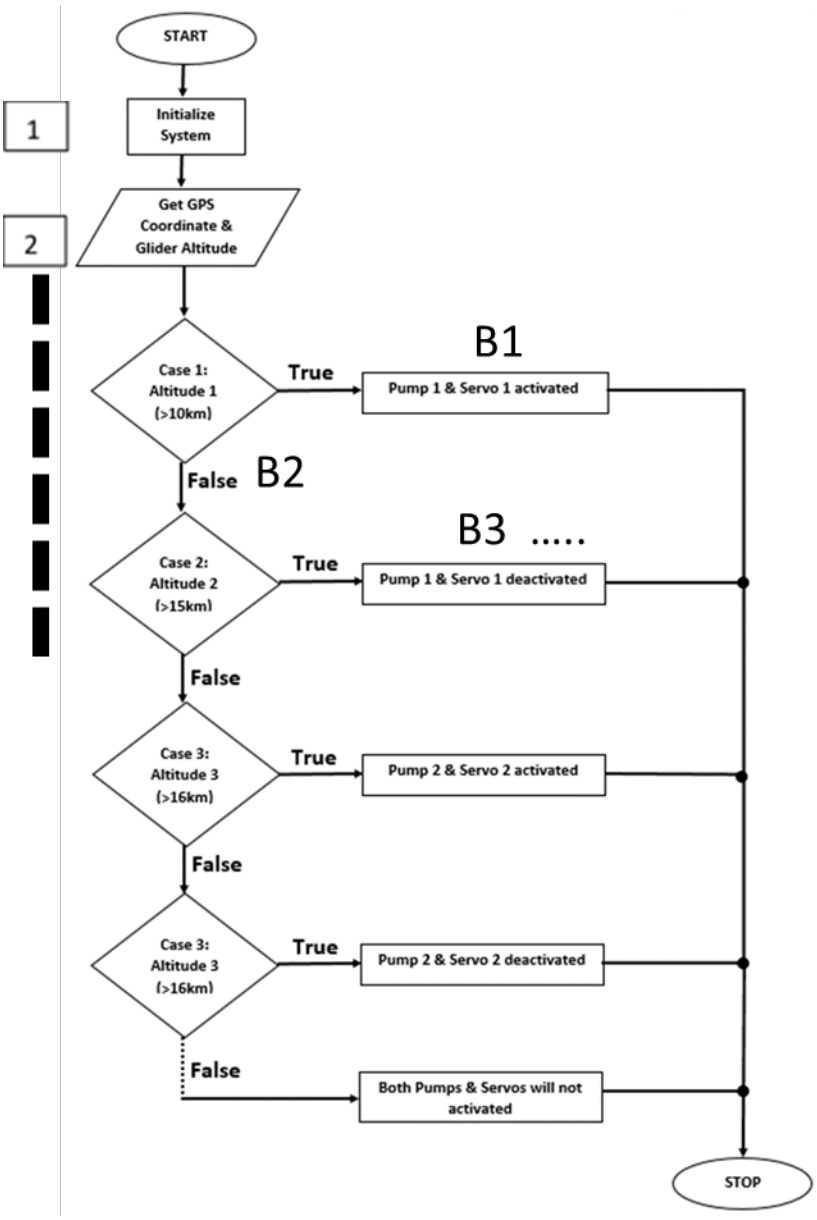
   a.) Provide testcase using equivalent partitioning (clearly indicate your equivalence classes)
   b.) Provide testcases using boundary value analysis

2. White-box testing

Given is the following program

```
public class MyClass {
  public static void main(String[] args) {
   /* This reads the input provided by user
    * using keyboard
   */
1.       Scanner scan = new Scanner(System.in);
2.       System.out.print("Enter any number: ");

  // This method reads the number provided using keyboard
3.       int number1 = scan.nextInt();

4.       System.out.print("Enter any number: ");
5.       int number2 = scan.nextInt();

  // Closing Scanner after the use
6.      scan.close();
//
//                C1                        C2
7.      if ((number2 < number1) && (number1 < number 2))
8.        {number2 =6);}
9.        else
10.            {number 2 = 7;}
11.      switch (number2) {
12.      case 6:
13.        System.out.println("Saturday");
14.         break;
15.      case 7:
16.         System.out.println("Sunday");
17.        break;
18.      default:
19.         System.out.println("Looking forward to the Weekend");

    }
  }
}
```

a. Create a flow chart - can be hand drawn (example next page + lecture notes)



b. Perform statement testing:
List for each test case, which statements are covered
E.g., Number1 = x, number2 = y. Executed (covered): 1,4,5,7

c. Perform Branch testing:
List for each test case, which branches are covered
E.g., Number1 = x, number2 = y. Executed (covered): B1,B2….

d. Perform multiple condition testing for C1 and C2
again provide the test cases and show your coverage