Assignment 1

**CS 170**

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**Test Plan for Problem 1**

**Checkpoints**

Program prints the purpose of the program and the title Y / N

Prompts user for input and validates input Y / N

Exits if user enters invalid data more than three times Y / N

Exits after the calendar is printed Y / N

Prints the days of the week evenly spaced apart Y / N

Shows the year and month above the calendar Y / N

When a month does not begin on Sunday, spaces are added to align the first day of

the month to the correct day of the week. Y / N

**Test data**

Input Expected Output Actual Output

-1 Invalid value prompt, asks user for a valid

year value.

2008 13 Invalid value prompt, asks user for a valid

first day of first month value.

2008 4 -3 Invalid value prompt, asks user for a valid

month value.

2008 2 12 December 2008 calendar page starting on

Monday, with 31 days in total. Also, the

month ends on a Friday.

K Invalid value prompt, asks user for a valid

year value.

2 ^Z Invalid value prompt, asks user for a valid

first day of first month value.

-1 -1 -1 Keeps prompting the user for a valid year

value, until the third invalid entry. The

program then exits.

2008 2 2 Since 2008 is a leap year, the month

number 2 –February- should have

29 days. Also, the first day should

Be on Friday and the last day on Friday.

Input Expected Output Actual Output

2007 1 2 Since 2007 is not a leap year, February

should contain 28 days. Also, the month

Should begin on Thursday and end on Wednesday.

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the month to the correct day of the week. Y / N

**Test data**

Input Expected Output Actual Output