This example was borrowed from "How We Test Software at Microsoft" (Microsoft Press)

"Next Date" program.
Three Input Fields: Month, Day, Year
Two Buttons: "Next Date", "Close"
Works only on dates after the Gregorian calendar was adopted on 10/15/1582

Leap Year Refresher

Year X is a leap year if either:

1) (X % 4 == 0) && (X % 100 != 0)
2) X % 400 == 0

Equivalence Classes

Month
V1	30 day months
V2	31 day months
V3	February

I1	>= 13
I2	<= 0
I3	Any non-integer
I4	Empty
I5	>= 3 integers

Day
V4	1 – 28 (all months have these days)
V5	29 (some months have this day, some don't)
V6	30 (ditto)
V7	31 (ditto)

I6	>= 32
I7	<= 0
I8	Any non-integer
I9	Empty
I10	>= 3 integers

Year

V8   Non-leap year

V9   Leap year

V10   Century non-leap year

V11   Century leap year

I11   <= 1581

I12   >= 3001

I13   Any non-integer

I14   Empty

I15   >= 5 integers