

# *How the last 1.4% can take 71.4% time*

*I need to build a calender with  
Test Driven Development*



*Rule 1:*

*All months have 30 days*

*Rule 2:*

*All years have 12 months*

*Rule 3, Exception:*

*Jan, Mar, May, Jul, Aug, Okt, Dec have 31 days*



*Rule 4, Exception:  
Feb has 28 days*

*Rule 5, Exception:  
On a leap year, Feb has 29 days*



*Rule 6. Exception:*

*On a Leap year that ends on 00, is not a leap year  
(i.e. 1800, 1900, 2000, 2100, etc.)*

*Rule 7. Exception:*

*Every 4th leap year that ends on 00, which should not be  
a leap year, is a leap year anyway  
(i.e. 1600, 2000, 2400, etc.)*



2 of 7 rules (28.6% of the effort)  
gave 98.6% of the product (360 of 365.2425 days).

5 of 7 rules (71.4% of the effort)  
gave the last 1.4% of the product (the last 5.2425 days)

No wonder software development is hard!

