

# Master Cypress in 15 minutes a day

Maurice de Beijer - @mauricedb

# Course Goals

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- Learn what Cypress is
  - And what it can do for you
- Understand what the best practices are
  - And what not to do
- See how Cypress differs from other End to End testing tools
  - Like Selenium etc.

# Why this course?

- Cypress is not hard to use most of the time
  - Not knowing the best practices can trip you up
- Going beyond the basics can be tough

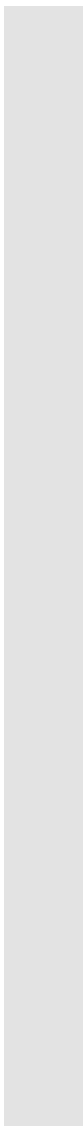
See you in the next video

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# What is Cypress

And why use it?





Cypress

Pro's

Con's

See you in the next video

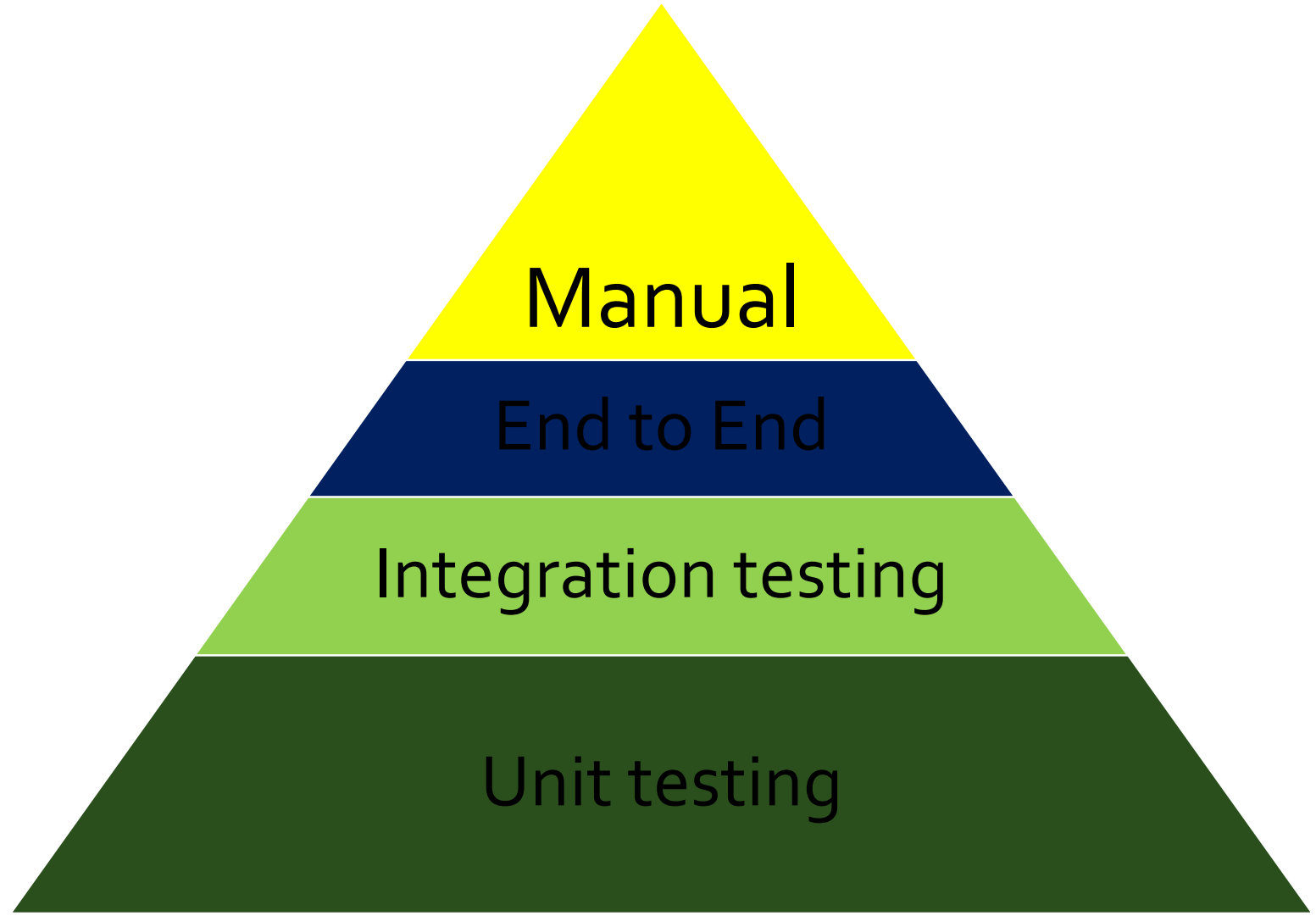
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# What is end to end testing

# The traditional testing pyramid



# Unit Testing & Code Coverage

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Lines
All files	98.92	94.36	99.49	100	
yargs	99.17	93.95	100	100	
index.js	100	100	100	100	
yargs.js	99.15	93.86	100	100	
yargs/lib	98.7	94.72	99.07	100	
command.js	99.1	98.51	100	100	
completion.js	100	95.83	100	100	
obj-filter.js	87.5	83.33	66.67	100	
usage.js	97.89	92.59	100	100	
validation.js	100	95.56	100	100	

Both windows  
are fine



via [reddit.com/r/programmerhumor](https://reddit.com/r/programmerhumor)

[Source](#)

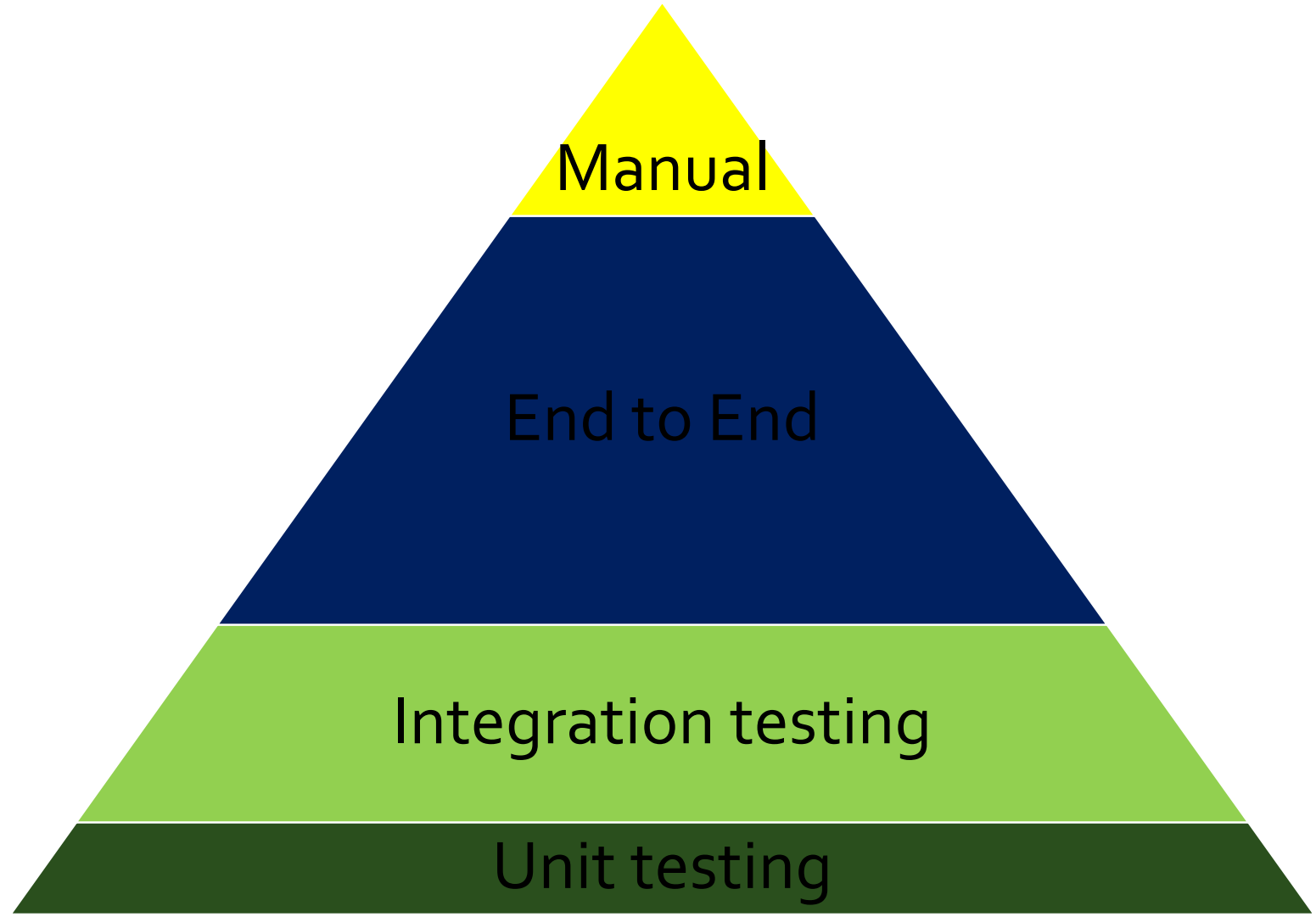
A sturdy latch

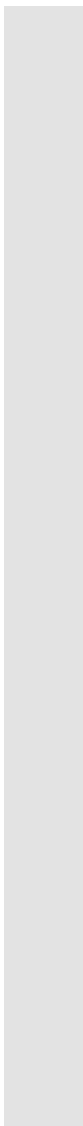


[Source](#)



A better  
testing  
pyramid for  
the web





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# Personal introduction



# Maurice de Beijer

Independent software developer and trainer

# The Netherlands









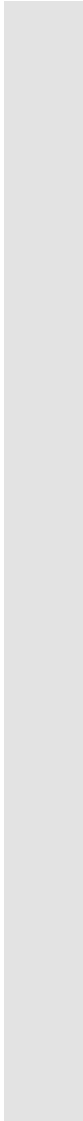







Happily married





# Independent software developer & instructor

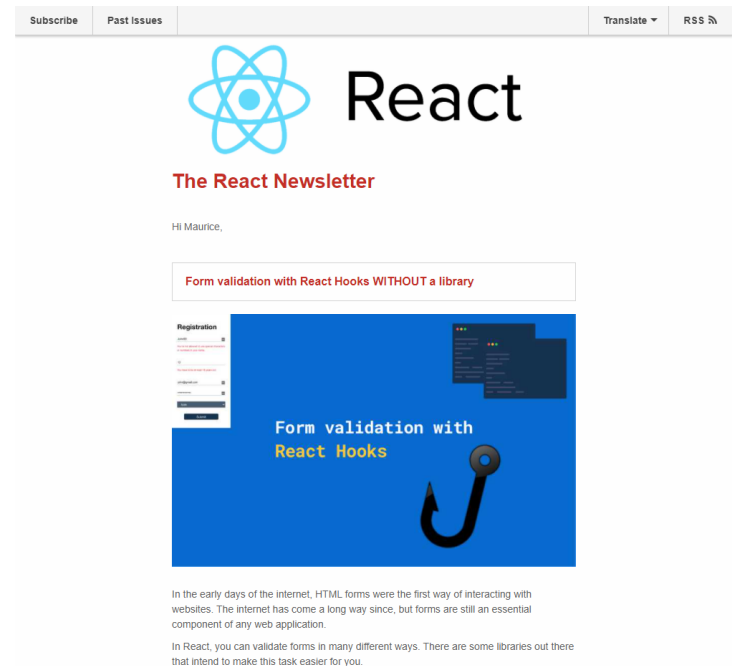
Since 1995





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Most Valuable  
Professional**

# The React Newsletter



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# Prerequisites

Install Node & NPM

Install the GitHub starter repository

# Following Along



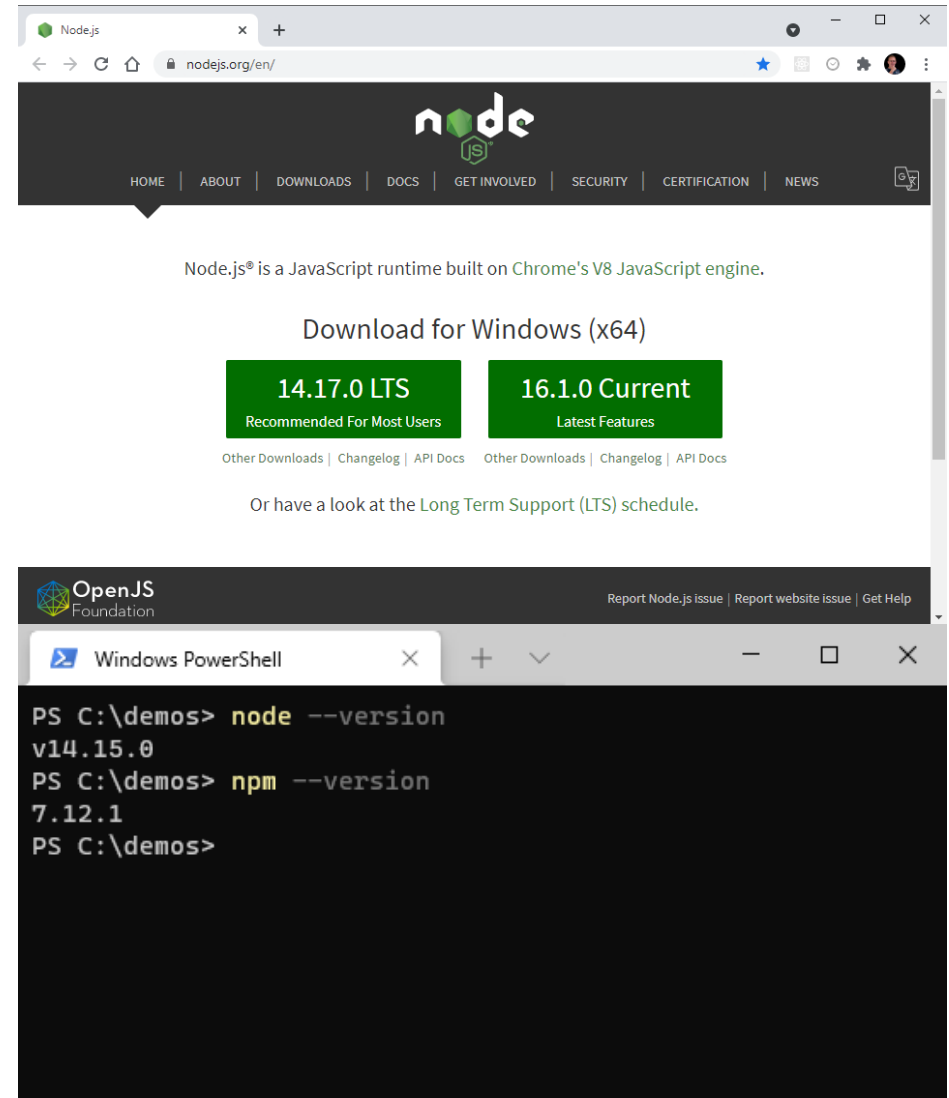
- Slides:
  -

```
1  /// <reference types="cypress" />
2
3  context('Block Buster Film Reviews', () => {
4
5    it('Has the correct title', () => {
6      cy.visit('/')
7      cy.get('h1').should('contain.text', 'Block Buster Film Reviews')
8    })
9
10   it('Can open The Shawshank Redemption', () => {
11     cy.visit('/top-rated-movies')
12     cy.get('#movie-278 a:first').click()
13     cy.get('h1').should('contain.text', 'The Shawshank Redemption (1994)')
14   })
15
16   it('The Shawshank Redemption has the expected cast', () => {
17     cy.visit('/movie/278')
18     cy.get('.col-md-8 > .mvcast-item > #cast-504 > p').should('have.text', '... Andy Dufresne')
19     cy.get('.col-md-8 > .mvcast-item > #cast-192 > p').should('have.text', '... Ellis Boyd "Red" Redding')
20     cy.get('.col-md-8 > .mvcast-item > #cast-192 > .cast-left').should('contain.text', 'Morgan Freeman')
21   })
22
23   it('Can navigate to Morgan Freeman', () => {
24     cy.visit('/movie/278')
25     cy.get('.col-md-8 > .mvcast-item > #cast-192 a').click()
26     cy.get('h1').should('contain.text', 'Morgan Freeman')
27   })
28 })
```

# Install Node.js



- Minimal:
  - Node version 12



Type it out  
by hand?

*"Typing it drills it into your brain much better than simply copying and pasting it. You're forming new neuron pathways. Those pathways are going to help you in the future. Help them out now!"*

See you in the next video

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