

TDD with



Testing UI components  
can be tough.

HTLM?

CSS?

Events?

Methode?

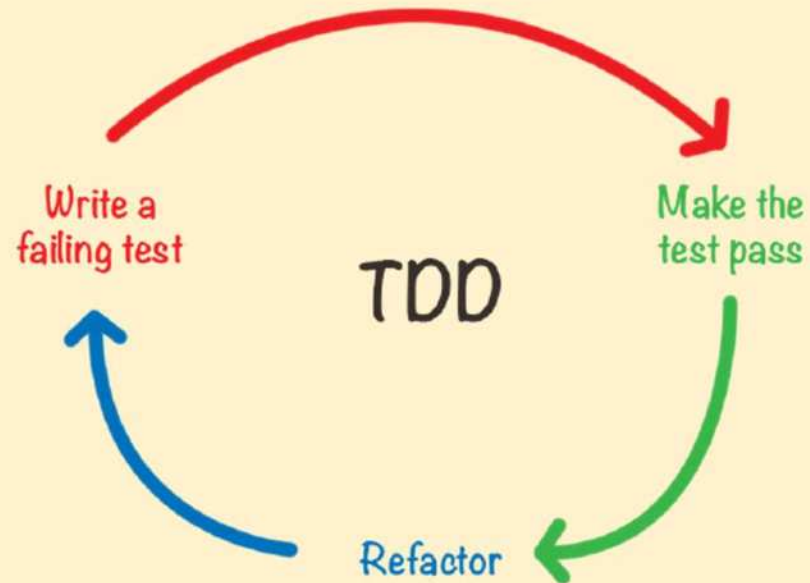
Computed?

100% Coverage?

Unit vs integration vs e2e test?



# Kent Beck Test-driven development (TDD)



What does TDD look like with Vue?




+



Vue Test Utils    Jest

## Kunde



123-45-678   
Elisabeth Bachmann  
Hauptstrasse 37  
6002 Luzern  
20.03.1960 (60), weiblich

```
import { shallowMount } from '@vue/test-utils'
import VersichertePerson from '@components/VersichertePerson.vue'

let wrapper;

beforeEach( fn: ()=> {
  wrapper = shallowMount(VersichertePerson);
});

afterEach( fn: ()=> {
  wrapper.destroy();
})

describe( name: 'VersichertePerson', fn: () => {})
```

```
<template>
  <div></div>
</template>

<script></script>
```

```

describe('name: 'VersichertePersonShould', fn: () => {
  each([
    ['vorname', 'Cedric'],
    ['name', 'Bruetsch'],
    ['strasse', 'Luzernerstrasse 13'],
    ['plz', '6025'],
    ['ort', 'Somewhere'],
    ['geschlecht', 'Weiblich']
  ]).it('renders the %s to %s', (variable, expected) => {
    expect(wrapper.find('.data').text()).toContain(expected)
  })

  each([
    ['90023456', '900-23-456'],
    ['90025', '90025'],
    ['9002345634565', '900-23-45634565']
  ]).it('format %s to %s', (variable, expected) => {
    const wrapper = shallowMount(VersichertePerson, options: {
      propsData: { versichertePersonId: variable }
    })
    expect(wrapper.find(selector: '.patienten-nr').text()).toEqual(expected)
  })

  each([
    ['female', 'Weiblich'],
    ['male', 'Männlich']
  ]).it('format %s to %s', (variable, expected) => {
    const wrapper = shallowMount(VersichertePerson, options: {
      propsData: { geschlecht: variable }
    })
    expect(wrapper.find(selector: '.data').text()).toContain(expected)
  })

  each([
    ['1990-09-20', 30],
    ['1986-04-03', 34],
    ['random stuff', 'Invalid date']
  ]).it('format birthday %s to age %s', (variable, expected) => {
    const wrapper = shallowMount(VersichertePerson, options: {
      propsData: { geburtsdatum: new Date(variable) }
    })
    expect(wrapper.find(selector: '.data').text()).toContain(expected)
  })
})

```

Test Results	116 ms
✓ VersichertePersonAlcor.spec.ts	116 ms
✓ VersichertePersonShould	116 ms
✓ renders the vorname to 'Cedric'	37 ms
✓ renders the name to 'Bruetsch'	6 ms
✓ renders the strasse to 'Luzernerstrasse 13'	4 ms
✓ renders the plz to '6025'	3 ms
✓ renders the ort to 'Somewhere'	5 ms
✓ renders the geschlecht to 'Weiblich'	6 ms
✓ format 90023456 to 900-23-456	9 ms
✓ format 90025 to 90025	6 ms
✓ format 9002345634565 to 900-23-45634565	6 ms
✓ format female to Weiblich	7 ms
✓ format male to Männlich	5 ms
✓ format birthday 1990-09-20 to age 30	7 ms
✓ format birthday 1986-04-03 to age 34	9 ms
✓ format birthday random stuff to age Invalid date	6 ms



Did I test everything important?

# Conclusion

- + TDD works with Vue
- IntelliJ doesn't help

? Object Calisthenics rules with javascript/typescript

# Question

