

Test-Driven Development with Vue.js

Vue.js Amsterdam 2020



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Testing is one of the
pillars of writing robust
software.

Tests should give you
confidence that you aren't
shipping broken software.



But testing can be tough.

Especially with UI components.



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```

      v-for="(mode, index) in colorModes"
      class="color-mode"
      :class="[ { active: index === activeMode }, `color-mode-${mode}` ]"
      @click="activeMode = index"
    >
      {{ mode }}
    </button>
  </div>
  <div class="color-code">{{ activeCode }}</div>
</div>
</template>

```

```

<script>
import { rgb, hex, hsl, isLight } from "@utils/color";
import CheckIcon from "@assets/check.svg";

```

```

const modes = { rgb, hex, hsl };

```

```

export default {
  components: { CheckIcon },
  props: {
    swatches: {

```

CSS classes?

Computed properties?

HTML?

View logic?

100% coverage?

Unit? Integration? E2E?

Lifecycle steps?

Event handlers?

Methods?



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I'LL DO IT LATER



I'LL DO IT LATER

NEVER!



#YOLO



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Test-Driven Development

Popularized by Kent Beck



Red



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Green

Refactor

TDD ❤️ Vue

Uploading 2 files

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```
const files = [  
  {  
    name: "Document.pdf",  
    size: 320  
  },  
  {  
    name: "Document_2.pdf",  
    size: 430  
  }  
];
```

Uploading 2 files

0.00075 MB



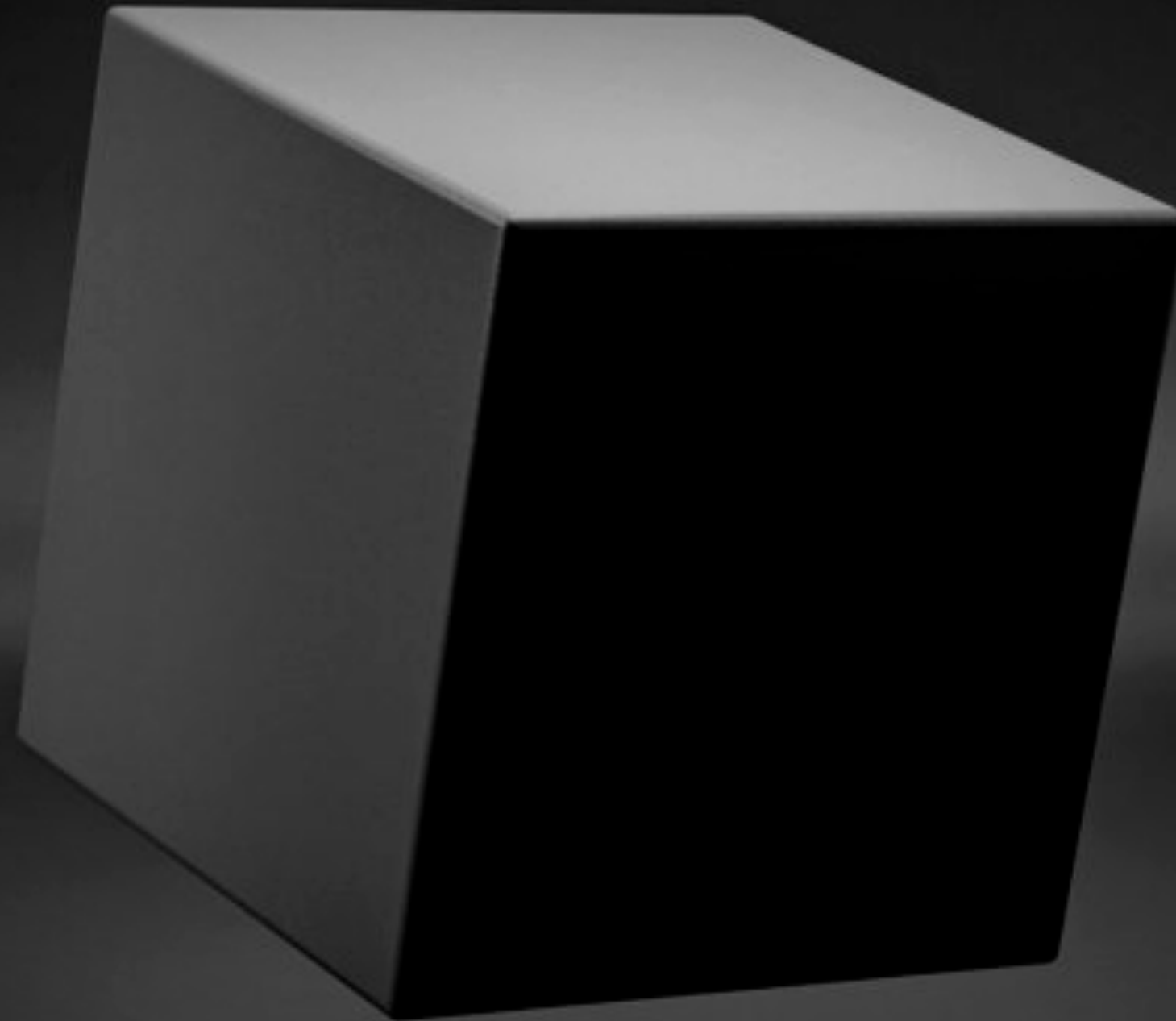
Fixing issues with TDD



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Black box testing



Assert only the public interface.



Do I care about this
if it changes?

TDD helps you write
robust tests, not too many
and not too few.

TDD encourages refactors,
which leads to
better software design.

Fixing bugs is
far more costly
than preventing them.



The time it takes
is worth it.

**JUST
DO IT!**



Thank you!



bit.ly/tdd-vuejs-amsterdam