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# **Introduction**

# **1 Research goal and methodology**

## **1.1 Research goal**

## **1.2 Research questions**

**RQ1:** How good is the knowledge about accessibility standards, tools and best practices in the company currently?

**RQ2:** What kind of errors can be caught by running automated accessibility tests on a component library?

**RQ3:** To what extent can integrating automated testing to a component library's development pipeline help improve its compliance with WCAG standards?

**RQ4:** What are the biggest problems of integrating automated accessibility testing to a component library development workflow?

## **1.3 Methodology**

## **2 Background**

**\*\*TODO:** test

### **2.1 Web accessibility**

What is it and why should we care about it?

#### **2.1.1 What standards should be followed?**

### **2.2 Automated testing**

#### **2.2.1 How does it work?**

#### **2.2.2 Types of tools**

#### **2.2.3 Limitations of automated tests**

### **3 Case study**

#### **3.1 Goal of the study**

#### **3.2 Current state of awarness about accessibility in the company**

Results from the survey

#### **3.3 Tools used in the intervention**

##### **3.3.1 Storybook**

##### **3.3.2 Axe-core**

#### **3.4 Limitations running automated tests on a component library**

## 4 Results

## **5 Discussion**

### **5.1 Limitations of the study**

### **5.2 Future research**

## **Conclusion**

\*\* All references are listed remove before submitting