Sophisticated Template for a Thesis

Presented by First Last, MTA Born in Foo Bar

Template Faculty Template University To get the degree in

PhD of templates - Dr.-Tmpl. -

Submitted

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11. Februar 2016

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Furthermore, I confirm that no sources have been used in the preparation of this thesis other than those indicated in the thesis itself.

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Dedicated to my beloved family.

ACKNOWLEDGMENTS

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ABSTRACT

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((todo: write about the own approach)) Lorem ipsum dolor sit amet, consectetur Own Approach:

Bar Barli

((todo: write about the scientific contributions)) Lorem ipsum dolor sit amet, consectetur Scientific Contributions

((todo: write about the validation and outlook)) Lorem ipsum dolor sit amet, consectetur Validation & Outlook

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Eingrenzung: Bar Foo

Problemstellung

Wissenschaftlicher Beitrag

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CHAPTER 1

INTRODUCTION

5	1.1	Background and Motivation	
	1.2	Problem Statement	
	1.3	Assumptions and Scope	
	1.4	Objectives and Contributions	
	1.5	Methodology and Outline	

Background and Motivation 1.1

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((todo: write about the research area and Figure 1.1)) Lorem ipsum dolor sit amet, Research Area: Bar

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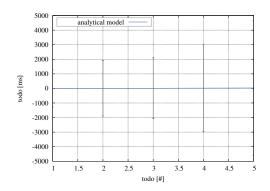


Figure 1.1: Example (based on [a1])

Application Area: Foo Fooli

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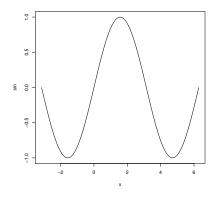


Figure 1.2: Another example [a1]

Research Focus: Bar Barli

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Taxonomy

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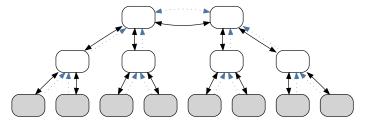


Figure 1.3: Taxonomy

1.2 **Problem Statement**

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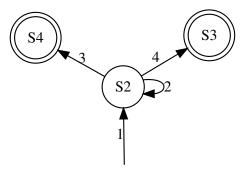


Figure 1.4: Relationship between issues

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1.3 Assumptions and Scope

Research Assumptions

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Research Scope

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1.4 Objectives and Contributions

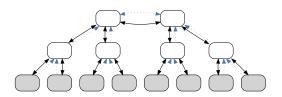


Figure 1.5: Structure of research

Research Objectives & Contributions

((todo: write about the research objectives and DBpedia¹ [m1] and Figure 1.5))

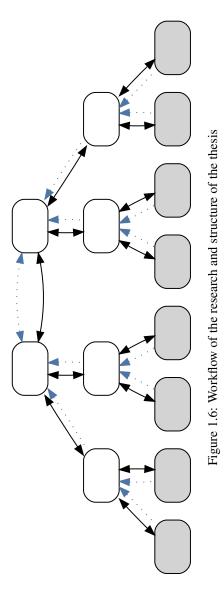
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1.5 Methodology and Outline

((todo: write about the research outline and Figure 1.6. Summarize Chapters 1 to 8.))

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¹http://dbpedia.org



STATE OF THE ART

2.1	Introduction
2.2	Related Area 1
	2.2.1 Specific Example 1
	2.2.2 Specific Example 2
	2.2.3 Specific Example 3
2.3	Related Area 2
	2.3.1 Specific Example 1
	2.3.2 Specific Example 2
2.4	Related Area 3
	2.4.1 Specific Example 1
	2.4.2 Specific Example 2
2.5	Conclusion
	2.2 2.3

2.1 Introduction

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2.2 Related Area 1

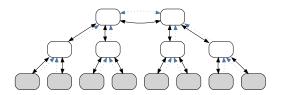


Figure 2.1: Related area 1 within the structure of research

Overview

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2.2.1 Specific Example 1

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2.2.2 Specific Example 2

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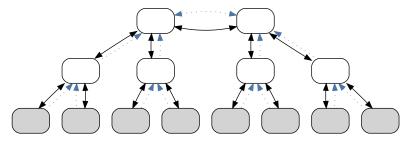


Figure 2.2: Comparison of Example 2 and Example 3 (based on [a1])

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Specific Example 3 2.2.3

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2.3 Related Area 2

Overview

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2.3.1 Specific Example 1

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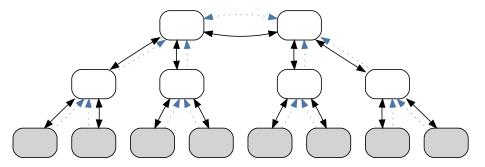


Figure 2.3: Related Area 2

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2.3.2 Specific Example 2

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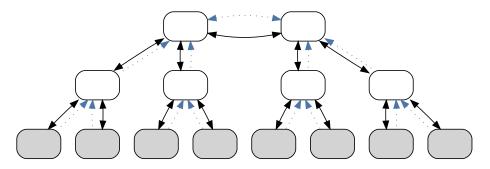


Figure 2.4: Related Area 3

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2.4.1 Specific Example 1

Definition

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2.4.2 Specific Example 2

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Definition

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2.5. CONCLUSION 13

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REQUIREMENT ANALYSIS

	3.1	Introduction
335	3.2	Stakeholder 1 16
	3.3	Stakeholder 2 16
	3.4	Stakeholder 3
	3.5	Conclusion

3.1 Introduction

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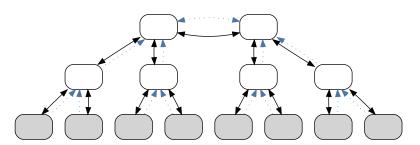


Figure 3.1: More detailed overview of the requirements

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Overview

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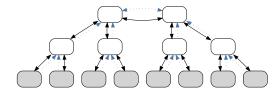


Figure 3.2: Placement of the requirement section in the structure of research

3.2 Stakeholder 1

Table 3.1 **((todo: write about Table 3.1))** Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Table 3.1: Requirements from stakeholder 1 perspective

#	Description
U1: Foo	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
U2: Bar	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

3.3 Stakeholder 2

Table 3.2 ((todo: write about Table 3.2)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

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Table 3.2: Requirements from stakeholder 2 perspective

#	Description
S1: Foo	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
S2: Bar	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

3.4 Stakeholder 3

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Table 3.3: Requirements from stakeholder 3 perspective

#	Description			
T1: Foo	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.			
T2: Bar	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.			

3.5 **Conclusion**

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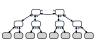
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CONTRIBUTION 1

400	4.1	Introduction	
	4.2	State of the Art	
		4.2.1 Related Work 1	
		4.2.2 Related Work 2	
405		4.2.3 Related Work 3	
	4.3	Own Approach	
		4.3.1 Overview	
		4.3.2 First Part	
		4.3.3 Second Part	
410		4.3.4 Third Part	
	4.4	Conclusion	

4.1 Introduction

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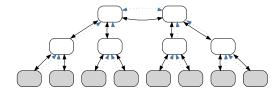


Figure 4.1: Placement of contribution 1 in the structure of research

4.2 State of the Art

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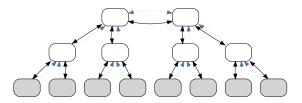


Figure 4.2: Relationship of contribution 1 to related work

4.2.1 Related Work 1

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Listing 4.1: Listing related to related work 1 for contribution 1

```
class HelloWorld {
   private final static String MESSAGE="Hello_World!";
   public static void main(String[] args) {
      System.out.println(MESSAGE);
   }
```

6 | }

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4.2.2 **Related Work 2**

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Listing 4.2: Listing related to related work 2 for contribution 1

```
1
   class HelloWorld {
      private final static String MESSAGE="Hello_World!";
2
3
          public static void main(String[] args) {
4
          System.out.println(MESSAGE);
5
6
```

4.2.3 **Related Work 3**

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Listing 4.3: Listing related to related work 3 for contribution 1

```
class HelloWorld {
2
      private final static String MESSAGE="Hello_World!";
```

4.3 Own Approach

4.3.1 Overview

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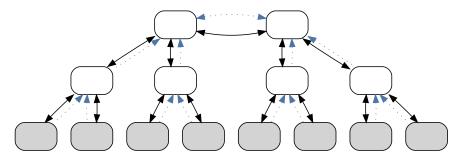


Figure 4.3: Contribution 1 goal

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4.3.2 First Part

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4.3.4 **Third Part**

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	5.1	Introduction	
595	5.2	State of the Art	
		5.2.1 Related Work 1	
		5.2.2 Related Work 2	
		5.2.3 Related Work 3	
	5.3	Own Approach	
600		5.3.1 Overview	
		5.3.2 First Part	
		5.3.3 Second Part	
		5.3.4 Third Part	
	5.4	Conclusion	
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5.1 Introduction

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Overview



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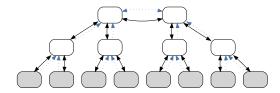


Figure 5.1: Placement of Contribution 2 in the structure of research

5.2 State of the Art

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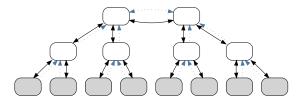


Figure 5.2: Relationship of Contribution 2 to related work

5.2.1 Related Work 1

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Listing 5.1: Listing related to related work 1 for Contribution 2

```
class HelloWorld {
   private final static String MESSAGE="Hello_World!";
   public static void main(String[] args) {
      System.out.println(MESSAGE);
   }
```

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6 | }

5.2.2 **Related Work 2**

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Listing 5.2: Listing related to related work 2 for Contribution 2

```
665
       1
          class HelloWorld {
              private final static String MESSAGE="Hello_World!";
       2
       3
                 public static void main(String[] args) {
       4
                  System.out.println(MESSAGE);
       5
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       6
          }
```

5.2.3 **Related Work 3**

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Listing 5.3: Listing related to related work 3 for Contribution 2

```
class HelloWorld {
1
2
      private final static String MESSAGE="Hello_World!";
```

Goal

5.3 Own Approach

5.3.1 Overview

Intro ((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

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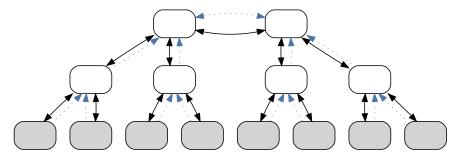


Figure 5.3: Contribution 2 goal

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5.3.2 First Part

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5.3.3 **Second Part**

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Next chapter

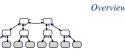
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CONTRIBUTION 3

785		
	6.1	Introduction
	6.2	State of the Art
		6.2.1 Related Work 1
790		6.2.2 Related Work 2
		6.2.3 Related Work 3
	6.3	Own Approach
		6.3.1 Overview
		6.3.2 First Part
795		6.3.3 Second Part
		6.3.4 Third Part
	6.4	Conclusion
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6.1 Introduction

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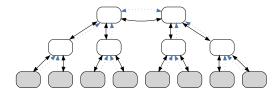


Figure 6.1: Placement of Contribution 3 in the structure of research

6.2 State of the Art

Overview ((todo: write about Figure 6.2)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

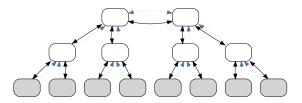


Figure 6.2: Relationship of Contribution 3 to related work

6.2.1 Related Work 1

Overview

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Some Aspects

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Issues

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Listing 6.1: Listing related to related work 1 for Contribution 3

```
class HelloWorld {
    private final static String MESSAGE="Hello_World!";
    public static void main(String[] args) {
        System.out.println(MESSAGE);
    }
```

6 | }

6.2.2 **Related Work 2**

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```
Listing 6.2: Listing related to related work 2 for Contribution 3
```

```
1
          class HelloWorld {
              private final static String MESSAGE="Hello_World!";
       2
860
       3
                 public static void main(String[] args) {
       4
                  System.out.println(MESSAGE);
       5
       6
          }
865
```

6.2.3 **Related Work 3**

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Listing 6.3: Listing related to related work 3 for Contribution 3

```
class HelloWorld {
2
      private final static String MESSAGE="Hello_World!";
```

Goal

```
3          public static void main(String[] args) {
4              System.out.println(MESSAGE);
5          }
6     }
```

6.3 Own Approach

6.3.1 Overview

Intro ((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

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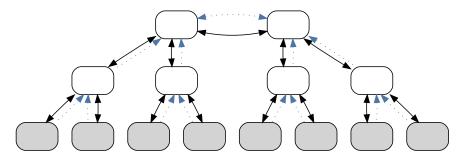


Figure 6.3: Contribution 3 goal

Approach ((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

6.3.2 First Part

Overview

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Approach

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6.4. CONCLUSION 35

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Second Part 6.3.3

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6.3.4 **Third Part**

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Conclusion 6.4

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Takeaway 2

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Takeaway 3

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Next chapter

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EVALUATION

980	7.1	Introduction
	7.2	Experimental Validation
		7.2.1 Setup 1
		7.2.2 Setup 2
	7.3	Performance Evaluation
985		7.3.1 Evaluation 1
		7.3.2 Evaluation 2
	7.4	Observational Validation
		7.4.1 Project 1
		7.4.2 Project 2
990	7.5	Deployments
		7.5.1 Installation 1
		7.5.2 Installation 2
	7.6	Code Verification
	7.7	Comparative Analysis
995		7.7.1 Requirement Evaluation
330		7.7.2 Comparison with Other Approaches
	7.8	Conclusion
1000	7.0	Conclusion

7.1 Introduction

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Overview



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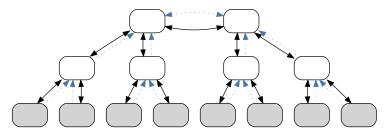


Figure 7.1: Choice of verification and validation techniques [a1]

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Structure of Research

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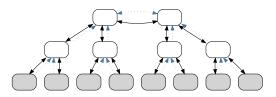


Figure 7.2: Placement of the evaluation in the structure of research

7.2 Experimental Validation

Overview ((todo: write about Table 7.1)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

7.2.1 Setup 1

Overview

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Integration

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hapter 7

Table 7.1: Sideways table

Experiment 1	Experiment 2	Experiment 3	Experiment 4	Experiment 5	Experiment 6	Experiment 7
CATCH	ME	IF	YOU	CAN	NOM	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOM	OR NEVER
CATCH	ME	IF	YOU	CAN	NOM	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER
CATCH	ME	IF	YOU	CAN	NOW	OR NEVER

ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

$$t_{fw}^{p_d}(d) = \max_{d}(t_{child_i})$$

$$t_{db}^{p_d}(d) = \sum_{i=1}^{d} t_{db_i}$$

$$t_{pc}^{p_d}(n,d) = \begin{cases} t_{pc}(d) + c(n) & \text{if } d = 1, \\ t_{pc}(d) + c(n) + \max(t_{avail}(d)) & \text{if } d > 1. \end{cases}$$
(7.1)

Example

((todo: write about Listing 7.1)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Listing 7.1: Experiment 1

```
1 class HelloWorld {
2 private final static String MESSAGE="Hello⊔World!";
3 public static void main(String[] args) {
4 System.out.println(MESSAGE);
5 }
6 }
```

7.2.2 Setup 2

Overview

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Integration

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Example

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7.3 Performance Evaluation

Overview

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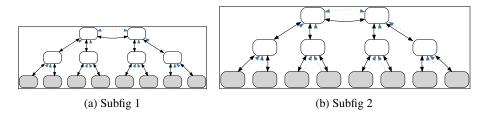


Figure 7.3: Sub Figures

7.3.1 **Evaluation 1**

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7.3.2 **Evaluation 2**

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((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do Response Times

• In: 159 ms \pm 21 ms (95% CI)

• *Out*: 33 ms \pm 5 ms (95% CI)

• Between: 238 ms \pm 9 ms (95% CI)

• After: $45 \text{ ms} \pm 1 \text{ ms} (95\% \text{ CI})$

• *Under*: 215 ms \pm 2 ms (95% CI)

• Over: 148 ms \pm 3 ms (95% CI)

Scalability

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7.4 Observational Validation

Overview

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7.4.1 Project 1

Overview

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System Specification

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Extraction

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Example

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7.4.2 Project 2

Overview

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System Specification

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Extraction

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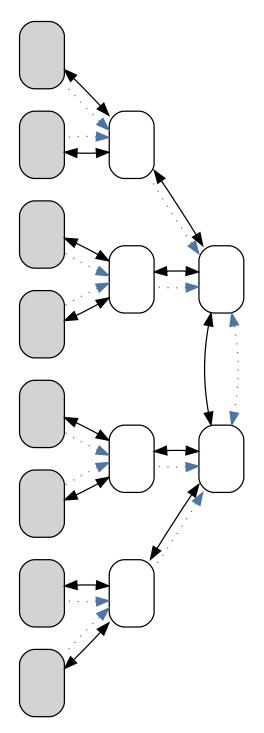


Figure 7.4: Sideways figure

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Example

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7.5 Deployments

Overview

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7.5.1 Installation 1

Overview

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Integration

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7.5.2 Installation 2

Overview

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Integration

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7.6 Code Verification

Overview

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Static Tests

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7.7 Comparative Analysis

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Requirement Evaluation 7.7.1

((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod Table 7.2

Table 7.2: Mapping requirements against own approach

Requirements	Approach
U1 (Foo)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
U2 (Bar)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Requirements	Approach
S1 (Foo)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
S2 (Bar)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
T1 (Foo)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
T2 (Bar)	((todo: write)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Comparison with Other Approaches 7.7.2

Overview

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Table 7.3

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Table 7.3: Comparison of related work with own approach

Requirements	Related 1	Related 2	Related 3	Related 4	Related 5	Own Ap- proach
U1 U2	(+)	(++)	(0)	(-)	(0)	(+++)

7.8. CONCLUSION 47

Requirements	Related 1	Related 2	Related 3	Related 4	Related 5	Own Ap- proach
(ABAC)	ABAC ABAC v3, ABAC ABAC	ABAC v2, ABAC, native ABAC	ABAC	native ABAC	ABAC ABAC v2	ABAC v3, ABAC, ABAC, native ABAC, native
T1 (Details)	(o) via foo	(++) by bar / role-foo	_	_	(++) bar / foo	(+) foo-bar
S1 S2 T2 (Barli)	(+) via barli	(+) via fooli	_	(+) via bar-foo	(+) via foo-bar	(+) via bar-bar

7.8 **Conclusion**

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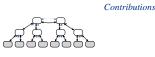
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SUMMARY AND FURTHER WORK

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8.1 Overview

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Conclusions and Impact 8.2 1265

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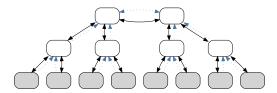


Figure 8.1: Placement of the outlook in the structure of research

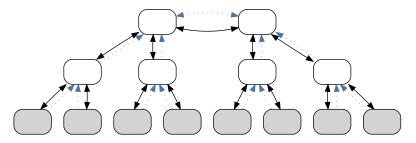


Figure 8.2: Area 1 [a1]

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Contribution 1

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Contribution 2

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8.3 Outlook

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Intro

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Application Area 1

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Application Area 2

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Application Area 3

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8.3. OUTLOOK 51

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SPECIFICATIONS

A.1 Specification 1

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Listing A.1: Specification 1

```
class HelloWorld {
  private final static String MESSAGE="HellouWorld!";
  public static void main(String[] args) {
    System.out.println(MESSAGE);
  }
}
```

A.2 Specification 2

((todo: write about Listing A.2)) Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Listing A.2: Specification 2

```
1 class HelloWorld {
```

```
private final static String MESSAGE="Hello_World!";

public static void main(String[] args) {
    System.out.println(MESSAGE);
}
```

TEST RESULTS

B.1	Conformance Results	III
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	B.2.2 Lineplots	IV

B.1 Conformance Results

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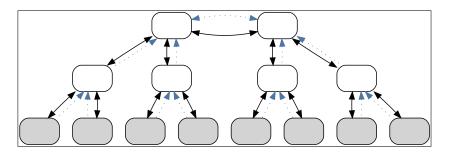


Figure B.1: Test results (page 1)

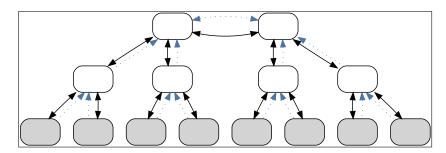


Figure B.2: Test results (page 2)

B.2 Performance Results

B.2.1 Histograms

Overview ((todo: write about Fi

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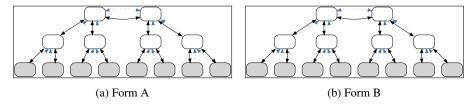


Figure B.3: Histogram of Forms

B.2.2 Lineplots

_

Overview

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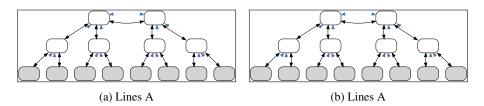


Figure B.4: Lineplot of the lines

ACRONYMS

ABAC	Attributed Based Access	Control	2

GLOSSARY

Foo

Bar.

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List of Author's Publications Covered in this Thesis

[a1] Ninghui Li, J. Mitchell, and W. Winsborough. "Design of a role-based trust-management framework". In: *Symposium on Security and Privacy*. IEEE Comput. Soc, 2002, pp. 114–130. ISBN: 0-7695-1543-6. DOI: 10.1109/SECPRI.2002.1004366 (cit. on pp. 2, 4, 9, 38, 50).

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[p1] E. Yuan and J. Tong. "Attributed based access control (ABAC) for Web services". English. In: *International Conference on Web Services (ICWS)*. IEEE, 2005, p. 569. ISBN: 0-7695-2409-5. DOI: 10.1109/ICWS.2005.25 (cit. on p. 2).

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[t1] J. Heflin. *OWL Web Ontology Language - Use Cases and Requirements*. W3C Recommendation. World Wide Web Consortium (W3C), 2004. URL: http://www.w3.org/TR/2004/REC-webont-req-20040210/ (cit. on p. 2).

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[m1] S. Auer, C. Bizer, G. Kobilarov, J. Lehmann, R. Cyganiak, and Z. Ives. "DB-pedia: A Nucleus for a Web of Open Data". In: *The Semantic Web (ISWC)*. Springer, 2007, pp. 722–735. DOI: 10.1007/978-3-540-76298-0_52 (cit. on p. 4).

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X Bibliography

[x1] H. Karimi and M. Hashemi. "Accessible Wayfinding Testbed: Infrastructure and Components". In: 10th EAI International Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities. Vol. 15. 2. Canada: ACM, June 2015, pp. 1–8. ISBN: 978-1-63190-070-9. DOI: 10.4108/ icst.tridentcom.2015.259709.

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