

End-User Installation Guide Generation Based on a Model Driven Approach

Diploma Thesis of

Name

At the Department of Informatics
Institute for Program Structures
and Data Organization (IPD)

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I declare that I have developed and written the enclosed thesis completely by myself, and have not used sources or means without declaration in the text.

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Contents

1. Introduction	1
2. Model Driven Software Development	3
2.1. Common MDSD Concept and Terminology	3
2.1.1.	3
2.2. Domain Specific Modeling	3
2.2.1.	3
2.3. Product-Line Engineering	3
2.3.1.	3
2.4. Developoment Methodologies	4
2.4.1. MDSD and Agile Software Development	4
3. End User Installation of Sensors/Smart Environmets	5
3.1. Section 1	5
3.2. Section 2	5
4. Environmental Smartness With Second Sighted Glasses?	7
4.1. Takuro Yonezawa	7
5. Usability of User Interfaces Generated with ah Model-Driven Architecture Tool?	9
5.1.	9
6. User comprehension performance for dataflow-based rules in smart Environ- ments	11
6.1.	11
7. Document Generation	13
7.1. Siemens VAI Studie	13
8. Tools	15
8.1. EMF	15
8.2. XTEXT	15
8.3. DocBook	15
8.4. iCap	15
9. Evaluation	17
9.1. Section 1?	17
9.2. Section 2?	17
9.3. Section 3?	17
10. Conclusion	19
Bibliography	21

Appendix	23
A. First Appendix Section	23

1. Introduction

Keywords: MDSD End-User Installation Document Generation,DAWildschut [CPJ⁺12]
SPLE, Configuration management

UbiComp introduction ?

[BKR09] ...

Add additional content chapters if required.

2. Model Driven Software Development

The content chapters of your thesis should of course be renamed. How many chapters you need to write depends on your thesis and cannot be said in general.

Check our the examples theses in the Wiki.

Of course, you can split this .tex file into several files if you prefer.

2.1. Common MDSD Concept and Terminology

What is MDSD Book Terminology How detailed an introduction to MDSD area? Motivation Modeling 4.1 Common MDSD COncept and Terminology 4.5 Software Factories 4.8 Domain SPecific Modeling 5.4 MDSD and Domain-Driven Design 5.6 MDSD and Agile Software Development 13.5 Product-Line Engineering

Tools EMF, Eclipse 9. Code generation ?

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2.1.1. ...

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2.2. Domain Specific Modeling

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2.2.1. ...

...

2.3. Product-Line Engineering

...

2.3.1. ...

...

2.4. Developoment Methodologies

...

2.4.1. MDSD and Agile Software Development

...

3. End User Installation of Sensors/Smart Environmets

ITS ABOUT HOW TO GUIDE THE USER THROUGH THE INSTALLATION

Smart home systems are on the rise

Ubiquitous computing systems rely upon information obtained from sensors depoyed in the environment to **function/work**. In the past years these sensors have become cheaper, smaller and **increasingly available to end users**. With this in mind, the dominant factor of deploying smart home systems is the installation barrier. Hiring a professional to do the installation is very expensive and the flexibility to adapt the system to the ever changing needs of the user are greatly limited. Unfortunately, as noted in [BCL04], the user has difficulties

This paper gives an overview ?of the? Motivation : Financial aspect

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3.1. Section 1

...

3.2. Section 2

...

4. Environmental Smartness With Second Sighted Glasses?

4.1. Takuro Yonezawa

...

5. Usability of User Interfaces Generated with ah Model-Driven Architecture Tool?

5.1. ...

...

6. User comprehension performance for dataflow-based rules in smart Environments

6.1. ...

...

7. Document Generation

7.1. Siemens VAI Studie

...

[BKR09] ...

8. Tools

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8.4. iCap

...

9. Evaluation

...

9.1. Section 1?

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9.2. Section 2?

...

9.3. Section 3?

...

10. Conclusion

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Bibliography

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- [CPJ⁺12] A. Catala, P. Pons, J. Jaen, J. a. Mocholi, and E. Navarro, “A meta-model for dataflow-based rules in smart environments: Evaluating user comprehension and performance,” *Science of Computer Programming*, Jul. 2012. [Online]. Available: <http://linkinghub.elsevier.com/retrieve/pii/S0167642312001232>

Appendix

A. First Appendix Section

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Figure A.1.: A figure

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