



TECHNISCHE
UNIVERSITÄT
DRESDEN

Fakultät Informatik | Institut für Software- und Multimediatechnik | Lehrstuhl für Softwaretechnologie

Component-Based Software Engineering

Designing an Appointment Manager

Technische Universität Dresden
Institut Software- und Multimediatechnik
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concept
Exzellenz aus
Wissenschaft
und Kultur

Requirements

1. Business Concept Model

- Domain Model
- Class-Diagram (No operations, no Datatypes)

2. Use-Case Model

- Use-Case Diagram
- Identify Use-Case Steps
- Derive System Interfaces

Specification

1. Business Type Model

- Class Diagram (Derived from Business Concept Model)
- Remove/Add Types + Identify Business Interfaces

2. Component Specification

- Component Diagram
- No Attributes
- Lollipop Notation

3. Component Architecture

- Class Diagram (Derived from Component Specification)
- Connect Provided/Required Ports

4. Interface Specifications

- Class Diagram / Collaboration Diagram









