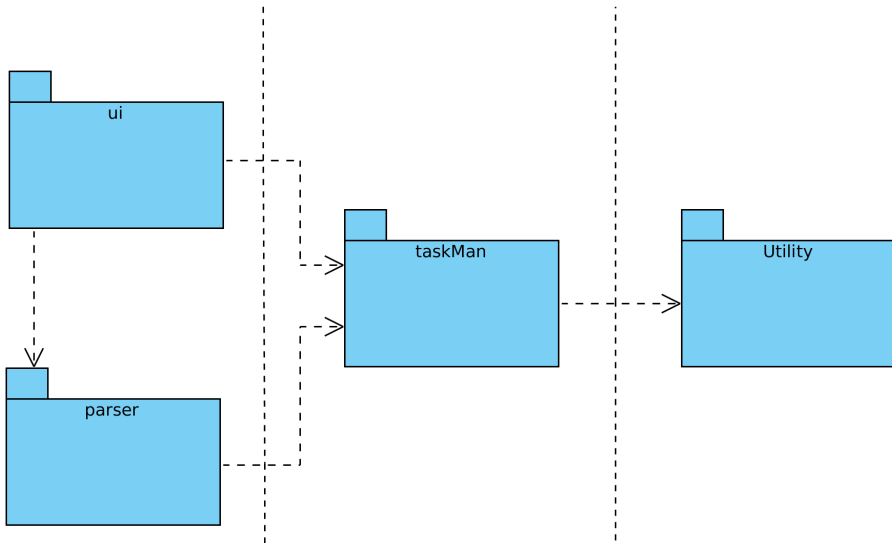# Software ontwerp: iteratie 2 (groep 8)

André Jacobs
Menno Keustermans
Bruno Lannoo
Thomas Marcelis
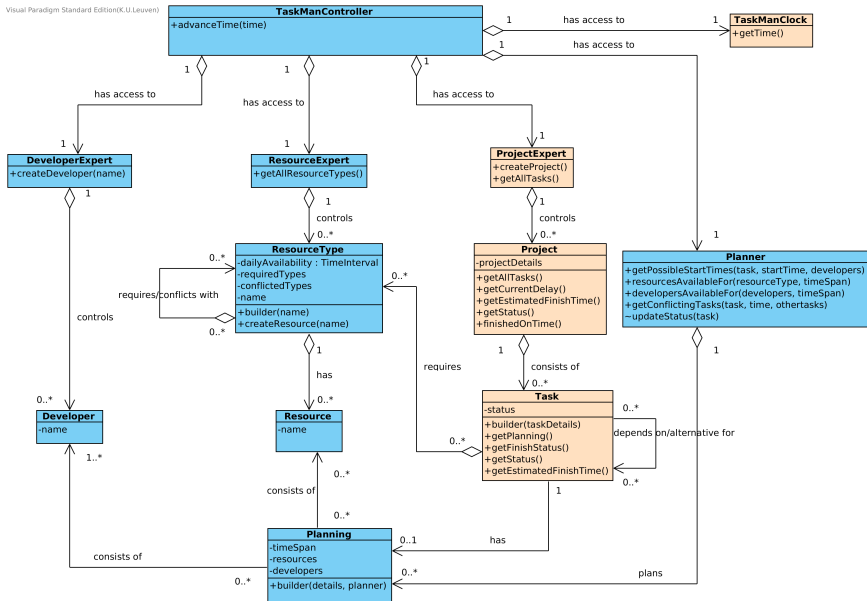
# Packages: overzicht

Visual Paradigm Standard Edition(K.U.Leuven)

# Class diagram: overzicht

# Refactoring: veel constructoren
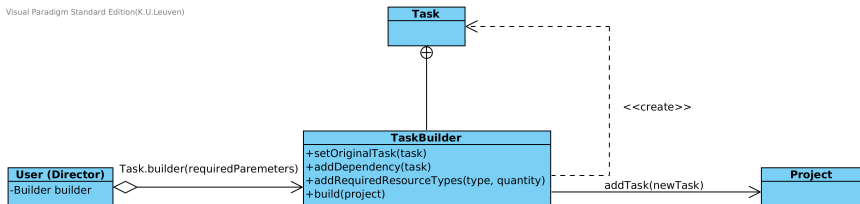
**Builders**



Figure : Voorbeeld van builder in Task

# Refactoring: status opslaan

Start

**Unavailable**

**Available**

**Executing**

**Failed**          **Finished**
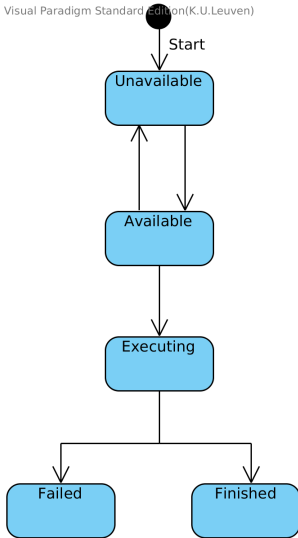
- **State pattern**
- overgangen worden afgehandeld in enum klasse

# Probleem: simulatie

# Extensions
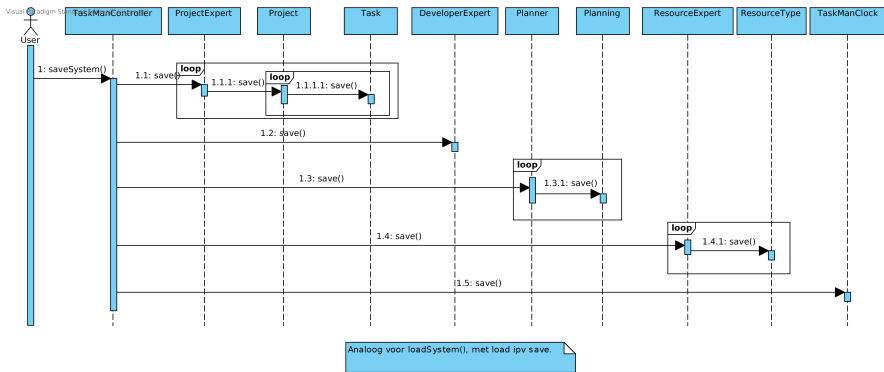
- Utility package

- Developers

- Toepassing van GRASP-patterns

# Testing

- Unit testing: om corner cases te testen
- Use Case testing: succes scenarios getest
- Gestandariseerde set-up
- Mutator testen

**Pit Test Coverage Report**

**Package Summary**

**taskManager**

| Number of Classes | | Line Coverage | | Mutation Coverage | |
|---|---|---|---|---|---|
| 14 | 94% | 86% | 884/944 | 427/494 | 86% |

**Breakdown by Class**

| Name | Line Coverage | | Mutation Coverage | |
|---|---|---|---|---|
| Developer.java | 75% | 6/8 | 67% | 2/3 |
| DeveloperExpert.java | 85% | 22/26 | 100% | 11/11 |
| Planner.java | 94% | 133/141 | 92% | 88/96 |
| Planning.java | 95% | 74/78 | 84% | 27/32 |
| Project.java | 97% | 102/105 | 91% | 53/58 |
| ProjectExpert.java | 78% | 38/49 | 77% | 20/26 |
| Resource.java | 67% | 6/9 | 50% | 2/4 |
| ResourceExpert.java | 89% | 24/27 | 77% | 10/13 |
| ResourceType.java | 94% | 101/108 | 82% | 46/56 |
| Task.java | 97% | 232/240 | 86% | 108/125 |
| TaskManClock.java | 93% | 28/30 | 71% | 10/14 |
| TaskManController.java | 96% | 77/80 | 89% | 42/47 |
| TaskManTester.java | 100% | 31/31 | 100% | 8/8 |
| TaskStatus.java | 83% | 10/12 | 0% | 0/1 |

src
- parser
- taskManager
- taskManager.exception
- ui
- ui.exception
- utility

test
- parser
- taskManager
- useCase
- utility

## Overview Projectmanagement

- Design coördinator: Bruno
- Domain coördinator: Menno
- Test coördinator: Thomas

volgende iteratie:

- Design coördinator: Thomas
- Domain coördinator: André
- Test coördinator: Menno

|        | Individueel werk | Study | Groepswerk |
|--------|------------------|-------|------------|
| Andre  | 15               | 5     | 56         |
| Bruno  | 17               | 13    | 56         |
| Menno  | 20               | 6     | 56         |
| Thomas | 13               | 5     | 56         |