FER MÄLARDALENS HÖGSKOLA	Minutes of Meeting

Project	**POSE**	**Date**	18/09/2010
		Start-end time	11:00 – 12.40
Responsible	Andre Backofen	**Location /type**	Videoconference (Germany, Croatia, Sweden)

Attended by	Location	Remarks
Marie	Germany	Absent (Cause: Sick)
Andre	Germany	Attend
Adnan	Germany	Attend
Jan	Germany	Attend (Technical Problems)
Dennis	Germany	Absent (Cause: Away)
Antonio	Sweden	Attend
Shaibal	Sweden	Attend
Joanne	Sweden	Attend
Jasenko	Croatia	Attend
Ivica	Croatia	Attend
Marko	Croatia	Attend
Stipe	Croatia	Attend

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1. Introducing the Project and Team Leaders

Project Leader (Germany): Jan Schmalor (UPB)
Mail: janhs@mail.upb.de Skype: schnarke-84
Team Leader (Sweden): Shaibal Barua (MDH)
Mail: sba10001@student.mdh.se Skype: shaibalit2004
Team Leader (Croatia): Marko Vitas (FER)
Mail: marko.vitas@fer.hr Skype: vitulije14

2. Communication

Use our Wiki (http://dsd.pg-pose.de/)
Project members available via Skype and Mail (see http://dsd.pg-pose.de/persons)
Mailing list: dsd-pose@lists.upb.de
IRC Chat (see http://dsd.pg-pose.de/chat)
Video conference (see http://dsd.pg-pose.de/videoconference)

3. Project proposal

What are Design Patterns?

Design patterns are descriptions of approved solutions to recurring software design problems. They represent good design solutions and are usually informally described by providing each pattern with a unique, self-explanatory name, pointing out their intent (the problem to be solved), exemplarily sketching the proposed solution, and listing the consequences (advantages and drawbacks). The seminal and most famous book about design patterns was written by the so called gang of four (GoF) and

published 15 years ago. This project is mainly based on the design patterns of Gamma et al., but also other design patterns should be considered.

Example of design patterns

The observer pattern is a software design pattern in which an object, called the subject, maintains a list of its dependents, called observers, and notifies them automatically of any state changes, usually by calling one of their methods. It is mainly used to implement distributed event handling systems or graphical user interfaces. For example, many graphical user interface toolkits separate the presentational aspects of the user interface from the underlying application data.

How are design patterns described?

Design patterns are informally described by text and UML-diagrams. The description of a design pattern in the book of Gamma et al is separated into the following sections:
Intent, Also Known As, Motivation, Applicability, Structure, Participants, Collaborations, Consequences, Implementation, Sample Code, Known Uses, Related Patterns

What the related project group PG POSE in Germany will do / has done? What do you not have to do?

The project group PG POSE will provide a tool to formally specify a design pattern, apply a design pattern (technical side), view applied design patterns, and recognize applied design patterns in unknown code

What is the status of the project group PG POSE?

The related project group PG POSE in Germany is a group of 9 people working on a project for one year. The project group started in April and is half-finished. The project group is currently starting the implementation.

What are the goals of this DSD-project?

The patterns that can be specified by the tools developed in Paderborn have to be adequately organized. For this reason, additional software has to be developed that helps developers to manage formally specified software patterns and to search for such patterns based on their properties, e.g. their intent and consequences, and compare them to each other. Your task is to develop the tools that help to describe, manage, categorize and compare such patterns. Furthermore, developers have to be able to search for patterns that solve a certain problem and are applicable in a certain situation. The desired tool features are listed in more detail in the Project Proposal.

What the DSD project members in Germany will do?

The DSD project members in Germany wrote the project proposal and will provide a document with the underlying model and a document with the use cases. Furthermore they will provide a complete implementation of the described model. In addition the German project members will be attend every meeting and will answer every question. The German project members will work on the project, but rather in a consultative capacity.

What about Graphs in the design pattern description?

There should be min. three types of graphs in your tool:

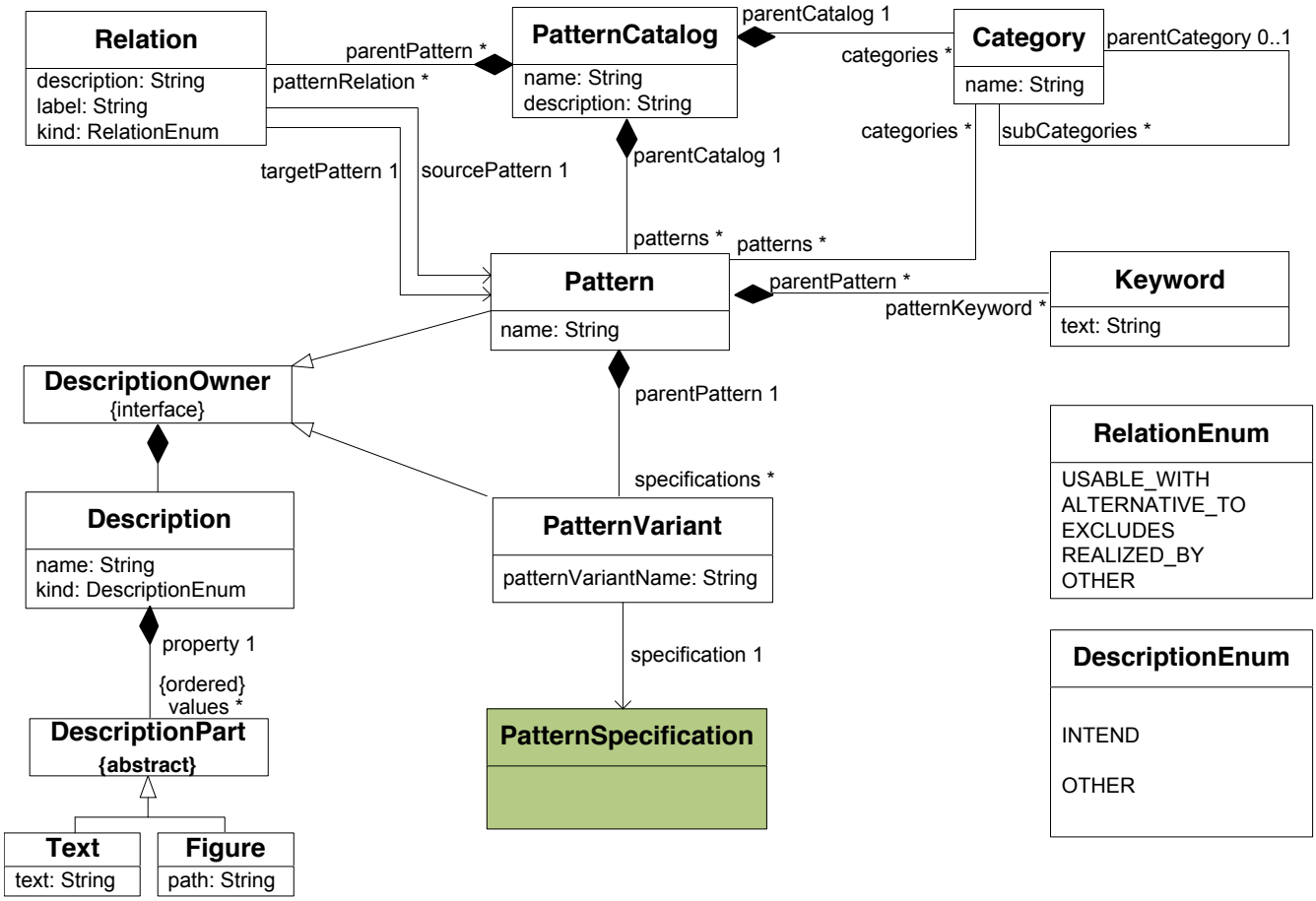
1. The formal specification of a design pattern. The German PG POSE provides a view to display those formal specifications.
2. The UML class diagram of the design pattern. Can be displayed as image (simpler) or edited with an own editor. It's up to you.
3. The graph of the relations between design patterns. Should be displayed and editable. Also up to you.

How will the informal description of a design pattern (text) be represented?

The text of a pattern description could be represented as plain text or as HTML text or in any other way. It's up to you.

4. The underlying model

The German project members will provide a document with the underlying model next week. In the following there is the **non-final** version of the model without any description:



The class *PatternSpecification* is an element from the model of the project group PG POSE. The association from *PatternVariant* to *PatternSpecification* is the link to the formal specification of a design pattern.

5. Next steps

Presentation on Tuesday

- The team leaders will organize the creation of the presentation
- Ivica Pađen (FER) will hold the presentation on Tuesday

Requirements specification

- Jasenko Ramljak (FER) will organize the creation

All other project members will work on the presentation and/or the requirements specification

Our next meeting should be shortly after Tuesday. We are using Doodle to get a Date.

Next meeting should be....

- arranged by the team/project - leaders
  - ⇨ Find Date, Create agenda, ...
- guided by one or all team/project - leaders
- logged by creating such a *Minutes of Meeting*-Document by the next person in this list: http://dsd.pg-pose.de/meetings

Every project member should expand the agenda