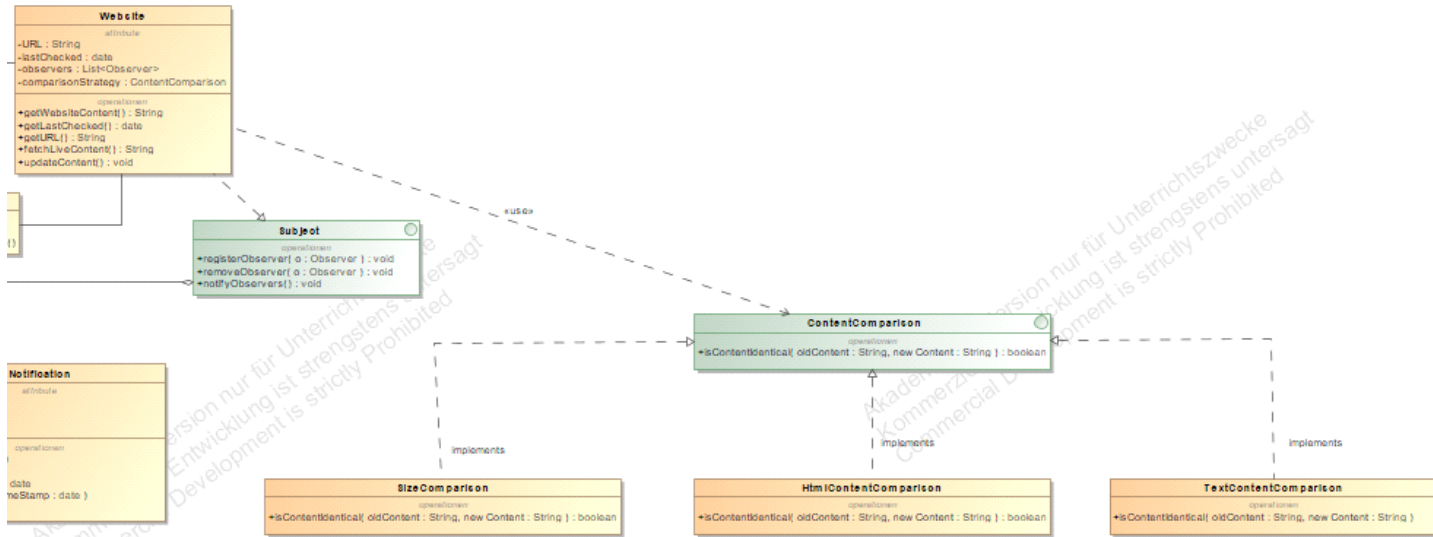


Exercise 6

Montag, 2. Juni 2025 09:15

- 1) Code erweitern (Git gepushed)
 - Strategy Pattern Implementation
- 2) Erweiterung im UML-Diagramm :



- 3) Coding conventions used:

Naming Conventions

- Class and interface names start with a capital letter and use CamelCase, for example, Website or ContentComparison.
- Method and variable names start with a lowercase letter and use lowerCamelCase, like updateContent() or websiteContent.
- Interfaces are named as nouns, such as Subject, Observer, or ContentComparison.

Code Structure and Formatting

- Indentation uses 4 spaces per level to keep the code clean and readable.
- Opening braces { are placed on the same line as the method or class declaration, following standard Java style.
- Lines are kept reasonably short for better readability.
- Spaces are added after commas, around operators, and after keywords like if or for to improve clarity.

Comments

- Comments explain the purpose of classes, methods, and important code sections.
- They are written in simple, clear English without unnecessary technical jargon.
- Redundant comments that just repeat what the code does are avoided.

Design Patterns

- Common design patterns such as Observer and Strategy are used to enhance modularity and flexibility.

Error Handling

- Exceptions are caught and meaningful messages are printed to the console to help with debugging.
- Errors are handled to prevent the program from crashing.

Encapsulation and Access Modifiers

- Fields are marked private to protect data and accessed through getters and setters.
- Methods use appropriate visibility (public or private) based on their purpose.

Consistency

- Naming and formatting are consistent throughout the codebase to improve readability and maintainability.