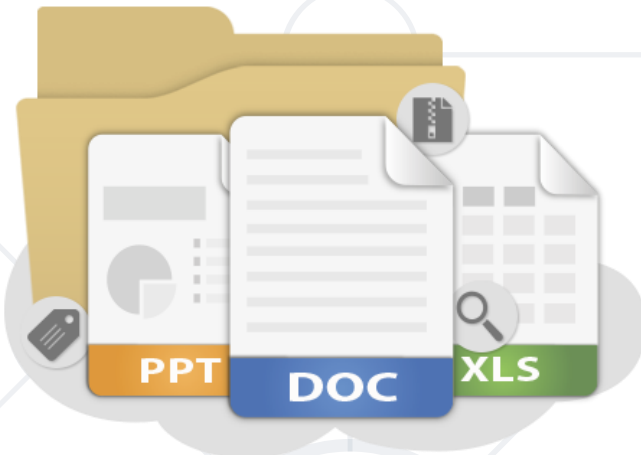


# Software Requirements Specification

## Reading and Reviewing SRS



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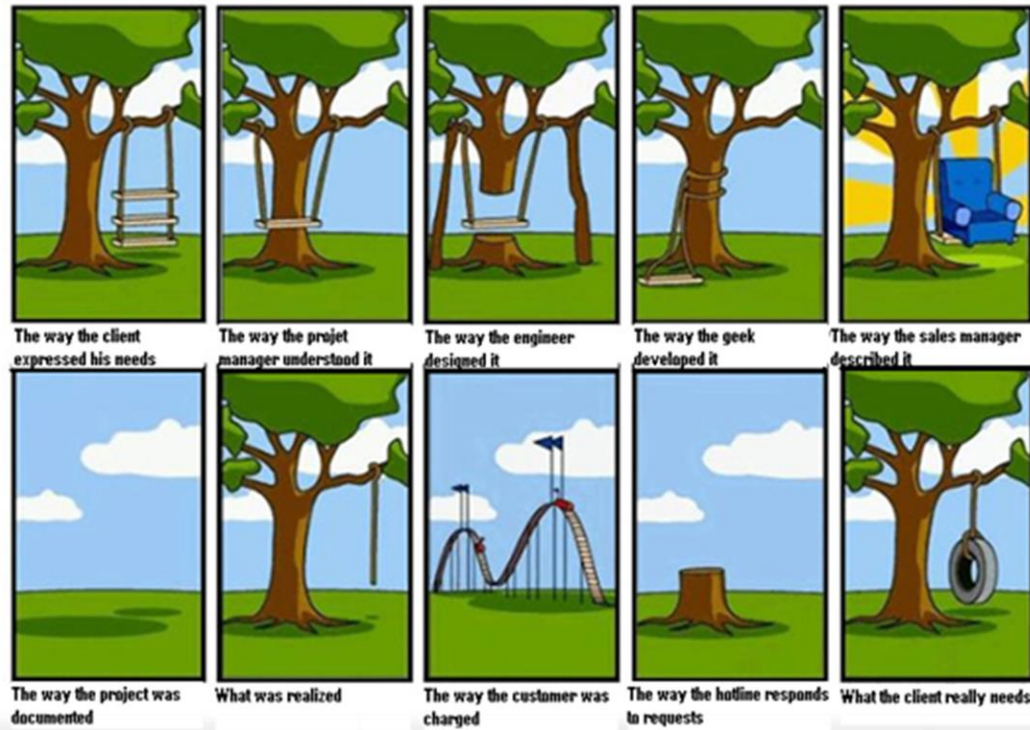
<http://softuni.bg>

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1. What is SRS?
2. Requirements
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## STOP THE DISRUPTIONS BETWEEN REQUIREMENTS AND SOLUTIONS !



# First Look at SRS

A **software requirements specification (SRS)** is a description of a software system to be developed, laying out functional and non-functional requirements, and may include a set of use cases that describe interactions the users will have with the software.

- Establishes the basic agreement between customer and contractor
  - What software product to do
  - What is NOT expected to do

- Should enlist enough and necessary requirements for the project development
- Should have clear understanding of the product
- Often changed after each meeting with customer





**Use Cases**

- List of interaction steps
- Defines relation between an actor and a system
- Usually satisfying a goal
- Actors are able to take decisions
- Decisions lead to subcases

- Models
  - Can be modeled via UML
  - Can be flat text documents
- Template
  - Name
  - Actors
  - Preconditions
  - Flow
  - Post conditions







## **Use Cases – Live Demo**



**Readability**

- In order to be easy to read, an SRS should answer
  - Contains a high-level description of the scope?
  - Is it easy to navigate?
  - Is it easy to distinct primary from secondary cases?
  - Contains links to related features?
  - Calls out questions which still need to be addressed?



**Review**

SRS review is going to through the document and trying to understand what the target application is going to be like.

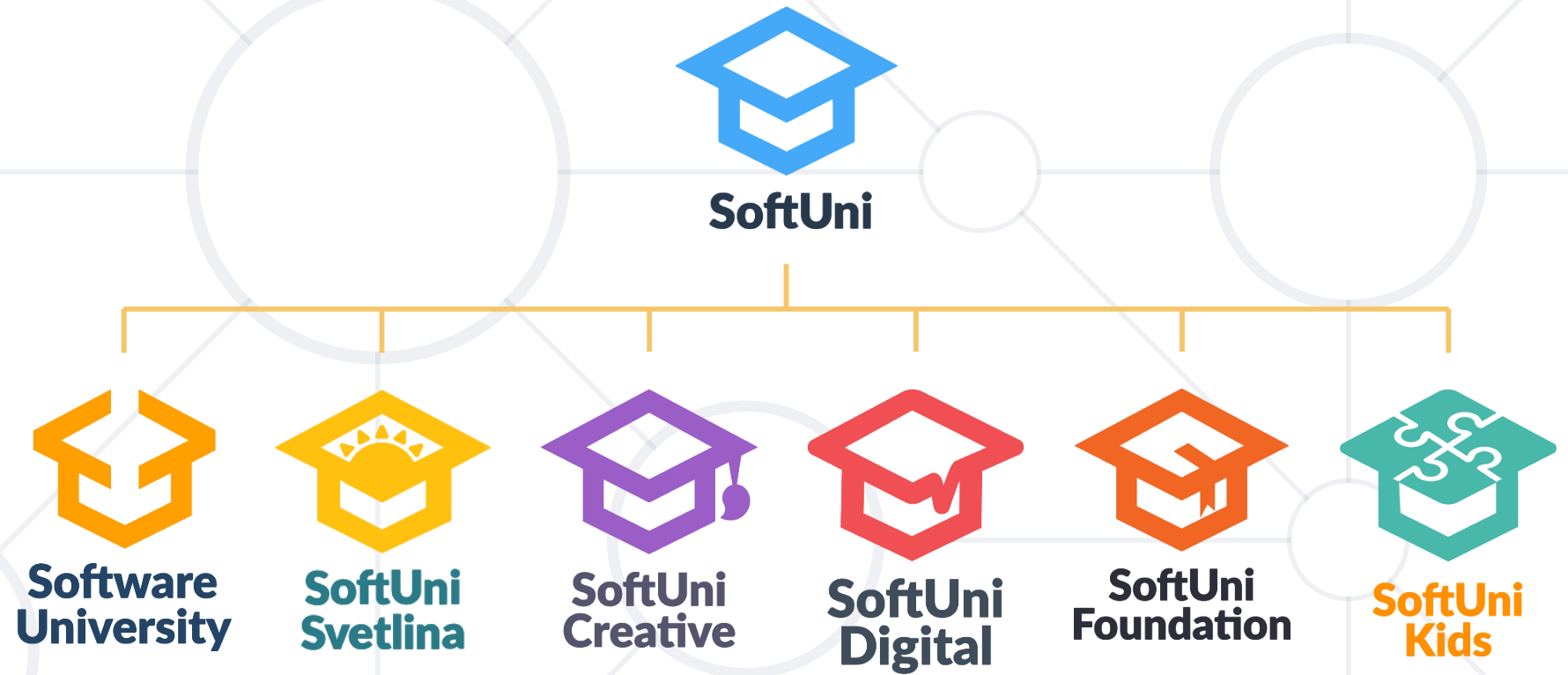
- The review results in
  - Test scenarios list
  - Found errors by statically going through the document
  - Questions for better understanding
  - Preliminary idea of the test environment
  - Test scope identification
  - How many test cases will end-up having

- Example SRS: [http://www.cse.chalmers.se/~feldt/courses/reqeng/examples/srs\\_example\\_2010\\_group2.pdf](http://www.cse.chalmers.se/~feldt/courses/reqeng/examples/srs_example_2010_group2.pdf)

- What is an SRS?
- What does it contain?
- How use cases are described?
- High level and low level cases
- Requirements for readable SRS
- Reviewing SRS
  - How to do it?
  - Pre-steps
  - Results



# Questions?





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