

Test

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Overview

1 Q 1.5: Use case and test cases

Use Case

A collection of possible scenarios between the system under discussion and external actors, characterized by the goal the primary actor has toward the system's declared responsibilities, showing how the primary actor's goal might be delivered or might fail.

Use Case Template

- ① Title
- ② Primary Actor
- ③ Goal in Context
- ④ Scope
- ⑤ Level
- ⑥ Stakeholders and Interests
- ⑦ Preconditions
- ⑧ Minimal Guarantees
- ⑨ Success Guarantees
- ⑩ Trigger
- ⑪ Main Success Scenario
- ⑫ Extensions
- ⑬ Technology and Data Variations List

Transforming to Test Cases

- Main scenario \times extensions \times variations \rightarrow test cases
- Precondition \rightarrow entry criteria

IEEE 829 Test Specification

- Test design specification identifier
- Features to be tested
- Approach refinements
- Test identification
- Feature pass/fail criteria

The End

“Testing shows the presence, not the absence of bugs.”
— *Edsger W. Dijkstra*