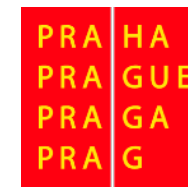


Interoperability in Testing: Methods used for midPoint and how they can be used in a broader context

Oskar Butovič | AMI Praha | 18. 2. 2020



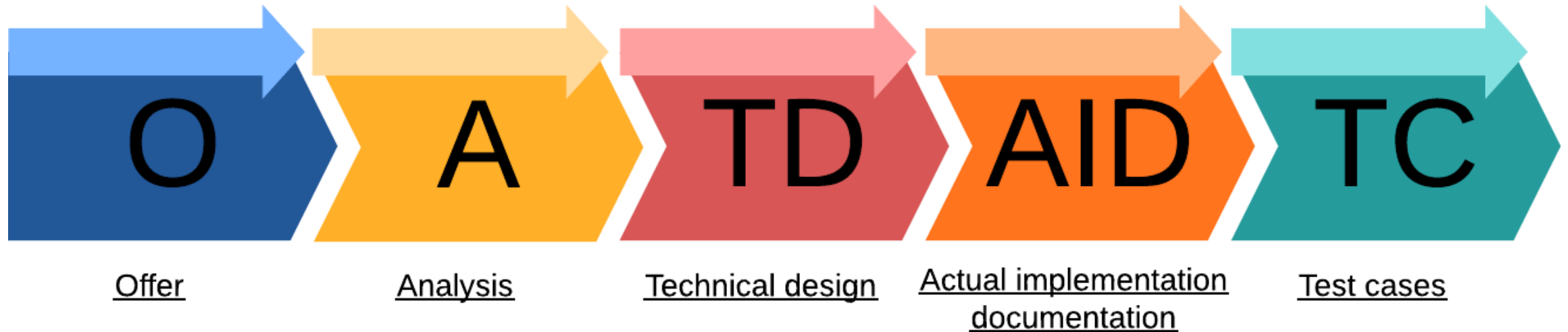




midPoint



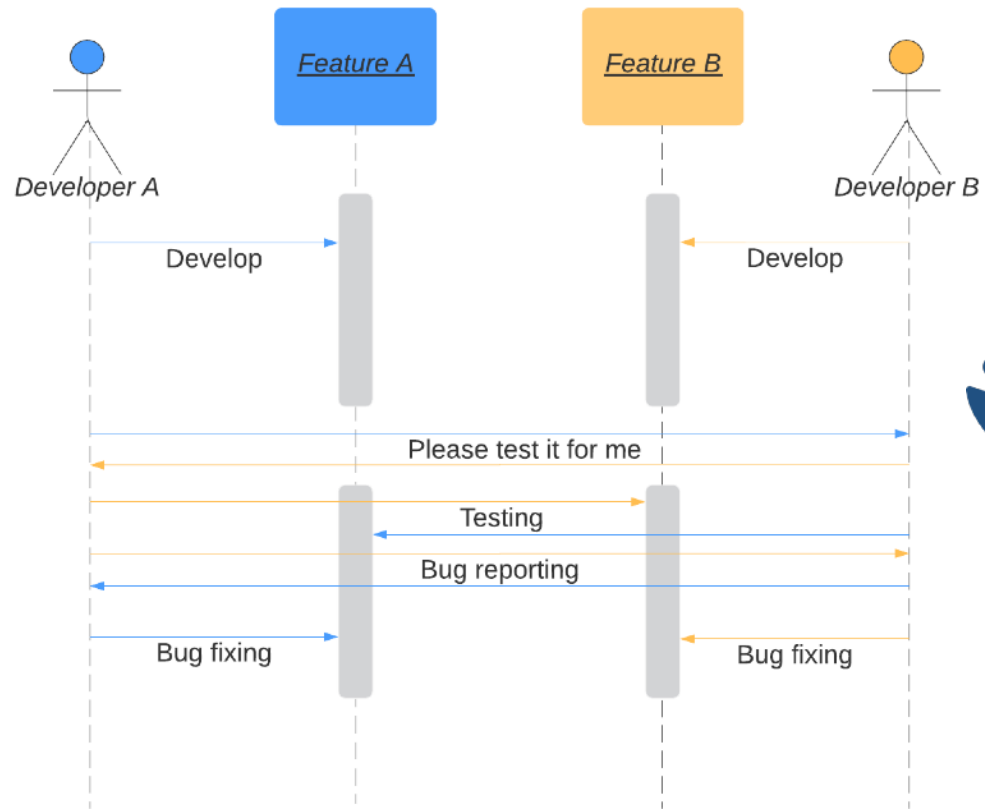
Testing preconditions



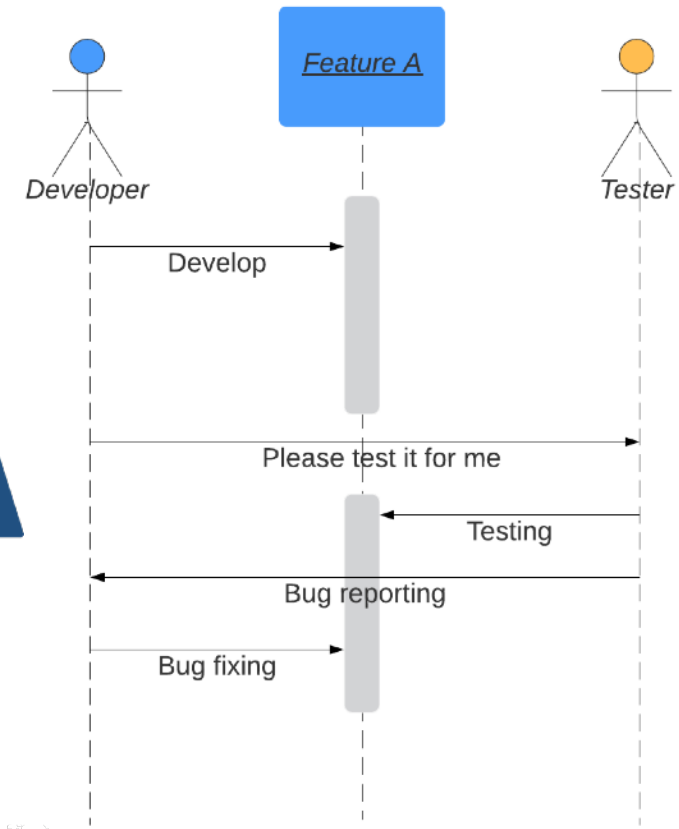
Test cases: Preconditions | Input data | Test steps | Output data

Manual testing

- Developer cross testing (mixed results)



- Students/temp workers (good results)



Test approach comparison

Precondition: documentation
and test scenarios exists

Investments by system
integrator

Test type	Investment per product	Investment per version	Investment per test run
Manual	low	low	high
SoapUI	medium	low/none	only HW and result checks
Selenide	very high	medium/low	only HW and result checks
Schrödinger	high	none	only HW and result checks





SoapUI testing



- Usage of the existing API
- Scripting
 - Data driven testing (setup - teardown)
- For midPoint similar to the GUI
- Usable for any IdM with API (REST, SOAP, ...)

- Blog post:

<https://www.ami.cz/publikujeme/blog/automated-integration-testing-of-midpoint>



Selenide testing



- Web GUI testing
 - Usable for any web based software
- Mimicking the manual testing
- Need to develop:
 - page objects for each product/version
 - other framework base for each product



MidPoint Schrödinger

- Selenide extension for midPoint
- Vendor maintained page objects across versions
- Missing so far:
 - Better timeout handling
 - Some page objects
 - Support for prepared test data and integrated test environment
 - Better logging of the test progress
 - Init and teardown data loading/deleting







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