

TESTING STRATEGY

SETUP AND SHOWCASE MODELLING SYSTEM

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What to TEST ?

- ARIS MODELS
- IMPLEMENTATION for Feature Extensibility

Who Tests?

- ARIS MODELS - Developer side testing, mainly, partially end-user testing
- IMPLEMENTATION for Feature Extensibility - primarily Developer side testing

How to Test ?

- ARIS MODELS - following testing strategy explained in research papers
- Testing Quality metrics in Workflow domain :
 - a. Coupling - measures the number of interconnections among the modules of the model.
 - b. Cohesion - measures the coherence within the parts of the model.
 - c. Complexity - measures the simplicity and understandability of a design.
 - d. Modularity - measures the degree to which a design is split up into several modules.
 - e. Size - simply measures how big a model is.

Test Plan :

- Use process mining technique (like that of ProM tool) to assure conformance of models to reality, following the Quality metrics
- perform Model analysis on designed models (like using ProM tool analysis)

IMPLEMENTATION for Feature Extensibility

Standard Unit Test -

● PLAN :

- a. write test cases from the documentation
- b. implement code and run test cases in practical environment
- c. run multiple test cases together , to identify errors
- d. may involve further end-user testing , after having deployed the feature, to identify errors