

5.4 ArgoUML by University of California, Irvine

Name: ArgoUML

Version: 0.24

Vendor: University of California, Irvine

URL: <http://www.argouml.org/>

Price (if available): Open Source (BSD license)

Vendor statement: *ArgoUML uses GEF, the UCI Graph Editing Framework to edit UML diagrams. The following diagram types are supported: Class diagram, statechart diagram, activity diagram, use case diagram, collaboration diagram, deployment diagram (includes object and component diagram in one), sequence diagram.*

User interface: views, direct editing of diagram elements in the diagram, menu and toolbar

Comments: The implementation is the code basis of the tool Poseidon. The delete operations are much faster than in Poseidon and several implementation differences between Poseidon and this program can be detected, thus, the detail features of both programs are different. There were several problems in the internationalization of the German user interface.

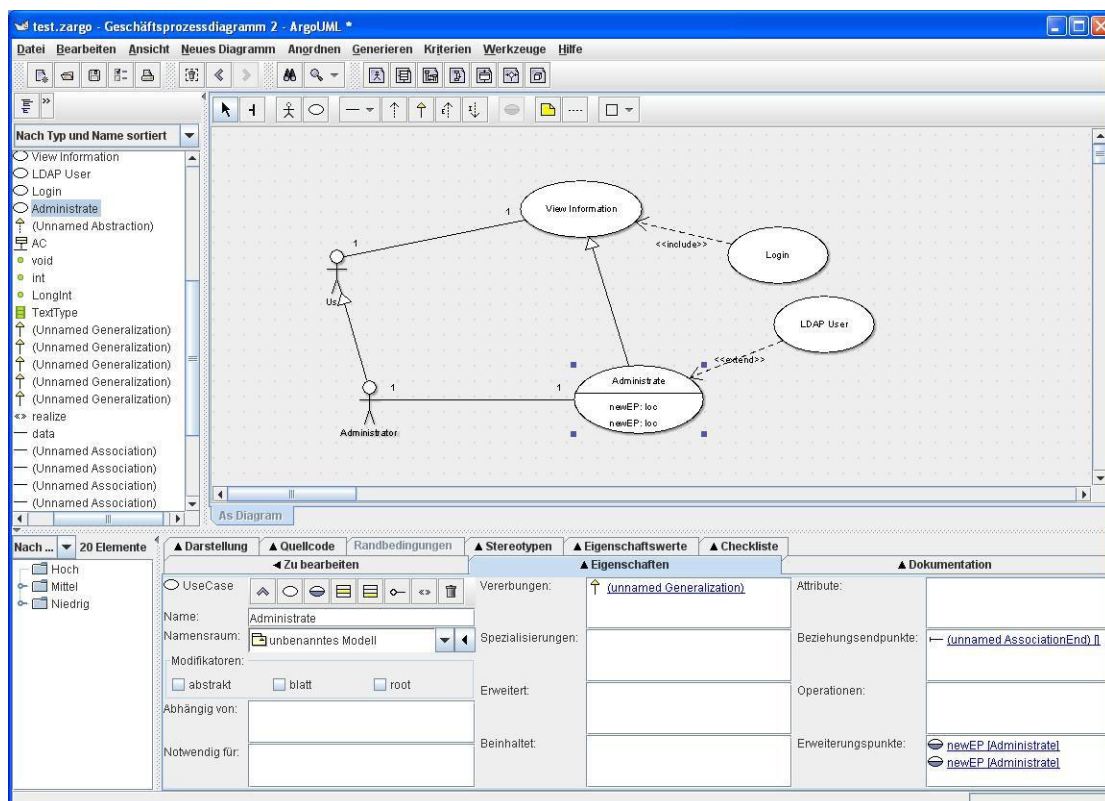


Figure 10: UML Use Case Diagram in "ArgoUML"

Individual evaluation results:

Modeling criteria	Feature fulfillment degree
Class diagram	62.00%
Component diagram	0.00%
Composition diagram	0.00%
Deployment diagram	39.39%
Activity diagram	19.57%
Sequence diagram	15.56%
Communication diagram	30.77%
Interaction overview diagram	0.00%
Timing diagram	0.00%
State machine diagram	45.24%
Use case diagram	60.53%
Information flows	0.00%
Model management	33.33%
Templates	0.00%
Profiles	10.00%
UML summary	35.00%
Traceability	0.00%
Code generation	18.63%

Tool characteristics	
Promoted UML version	1.4
XMI version	1.2
XMI valid	partial
Compliance Level	Feature fulfillment degree
Valid range	L2-0C
L1.3	62.61%
L1.4	62.42%
L2-0	72.15%
L2-M	62.30%
L2-1	35.97%
L2-2	36.52%
L2-3	35.00%
Assigned level	partial L2-0C