

## Interaction Diagram / AUML-2 Tool

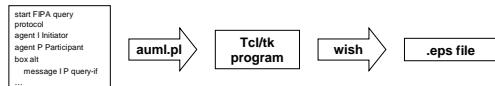
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<http://www.cs.rmit.edu.au/~winikoff/auuml>

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## AUML2 Tool

- Rough prototype tool!
- Takes text and generates .eps generating layout automatically
  - .eps can be converted to other formats (jpg,png,...)
  - Does both AUML-2 subset and interaction diagrams
- Requires perl and tcl/tk (probably easiest on unix, but should also work under windows)
  - Requires available \$DISPLAY (unix)



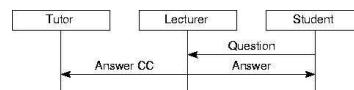
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## Input Format

- One command per line.

- Commands:

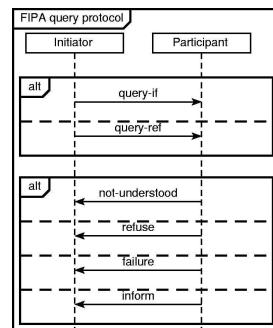
- **agent shortname longname**  
(also invis and role)
- **start protocol name** } Leave these out for interaction diagrams
- **finish**
- **message from to message description**
- **box type**
- **next**
- **end type**
- **backup**



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start FIPA query protocol  
agent I Initiator  
agent P Participant  
box alt  
message I P query-if  
next  
message I P query-ref  
end alt  
box alt  
message P I not-understood  
next  
message P I refuse  
next  
message P I failure  
next  
message P I inform  
end alt  
finish

## Example



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## Book Store Example

```

start Book Order
agent c Customer
agent s Sales ass.
agent w Warehouse man.
agent d Delivery manager
agent b Bank
message c s Request Book
message s w Price+availability
message w s response
message s c response
box alt
message c s Cancel
next
message c s Buy Book
message s w Delivery Options?
message w s Delivery info
message s c Delivery info
message c s Delivery Choice
  
```

```

message s c Payment details?
box alt
message c s Cancel
next
message c s Buy Book
message s w Delivery Options?
message w s Delivery info
message s c Delivery info
message c s Delivery Choice
end alt
end alt
end alt
  
```

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