

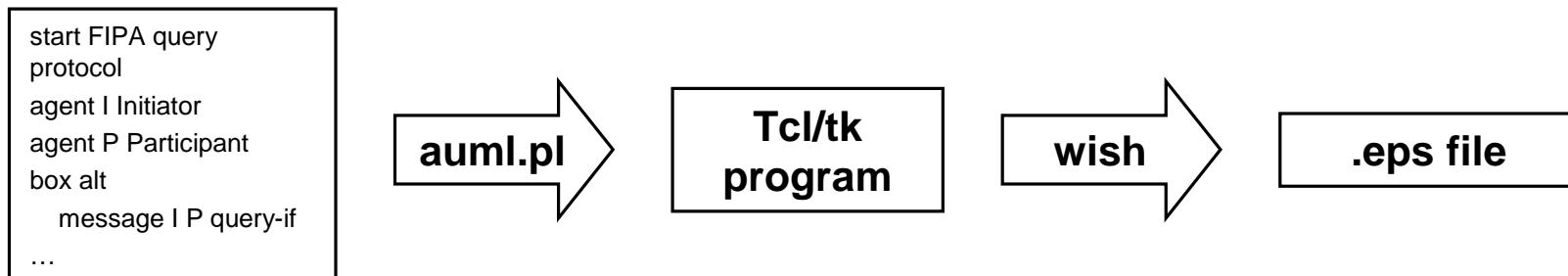
Interaction Diagram / AUML-2 Tool

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

AUML2 Tool

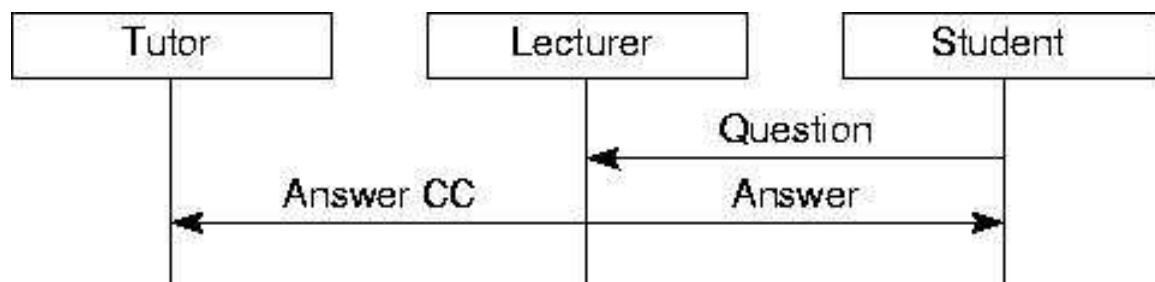
- Rough prototype tool!
- Takes text and generates .eps generating layout automatically
 - .eps can be converted to other formats (jpg,png,...)
 - Does both AUML-2 subset and interaction diagrams
- Requires perl and tcl/tk (probably easiest on unix, but should also work under windows)
 - Requires available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



Input Format

- One command per line.
- Commands:
 - **agent** *shortname longname*
(also invis and role)
 - **start** *protocol name*
 - **finish**
 - **message** *from to message description*
 - **box** *type*
 - **next**
 - **end** *type*
 - **backup**

```
agent T Tutor
agent L Lecturer
agent S Student
message S L Question
message L S Answer
backup
message L T Answer CC
```

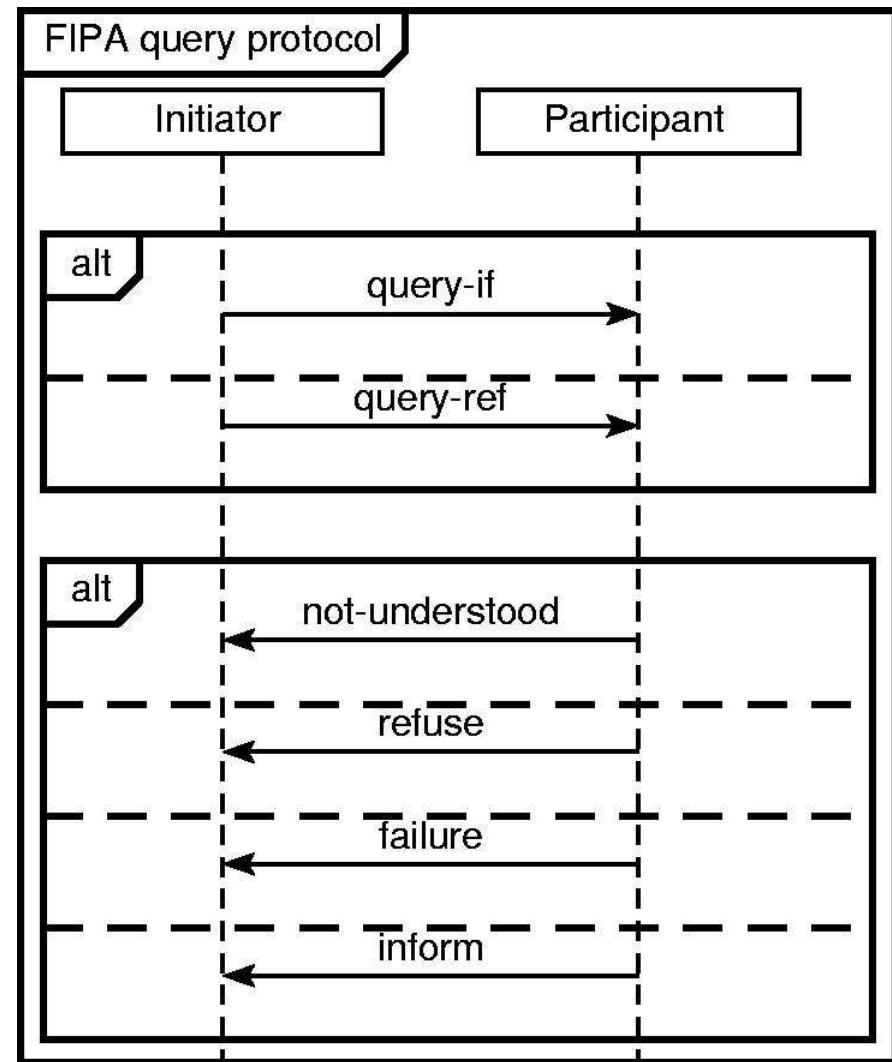


```

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



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 Credit card info
    message s b Credit Check Request
    box alt
      message b s Not understood
      next
      message b s Not approved
      next
      message b s Approval
      message s w Order
      backup
      message s c Thanks
    end alt
  end alt
end alt
finish
```

