

EECS3311 Software Design (Fall 2020)

Q&A - Lab3

Wednesday, October 21

- Go over work items in Lab3 instructions.

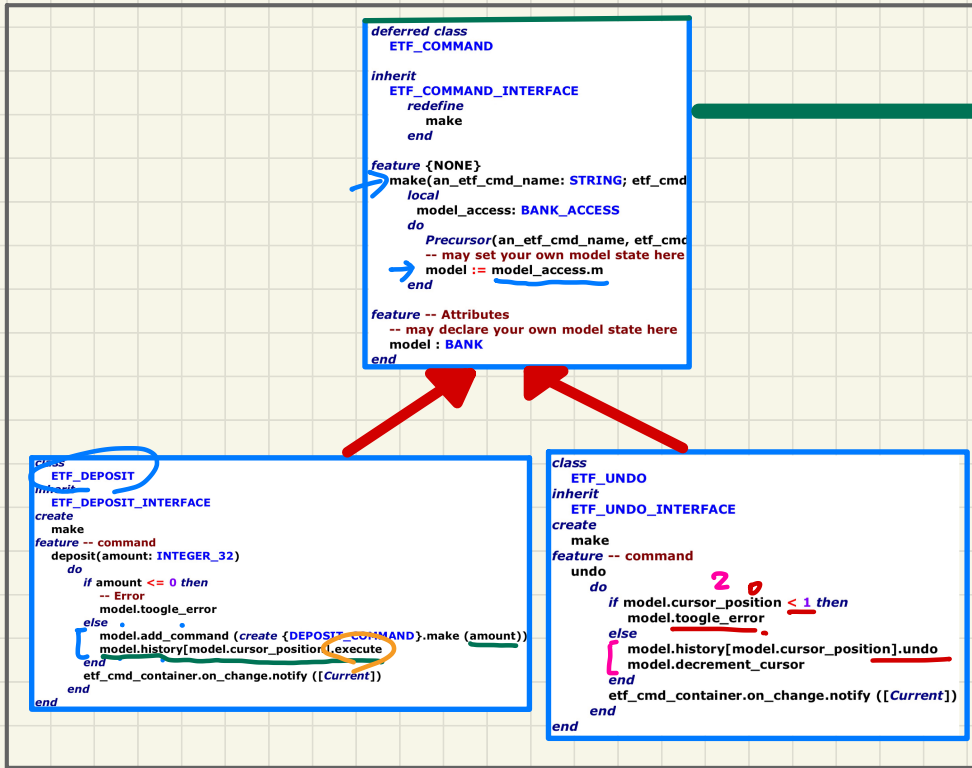
Lecture 6 covers concepts of ETF.

✓ - Demo on implementing (partially) undo/redo
(with suggested improvements).

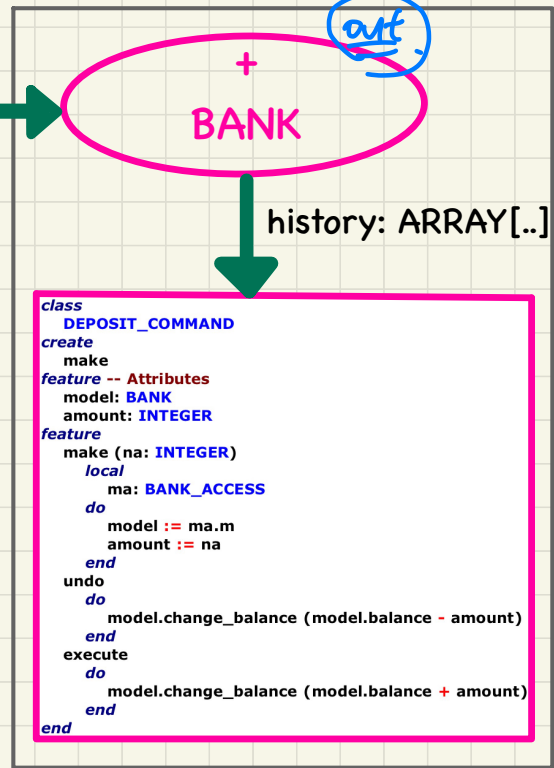
✓ - Go over the 3 given acceptance tests.

undo/redo Architecture

user_commands

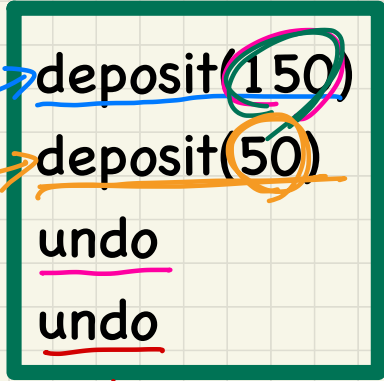


model

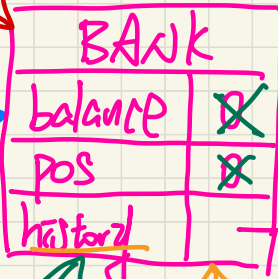
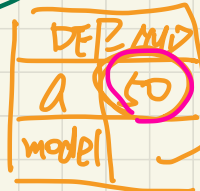
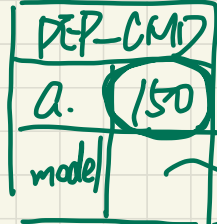
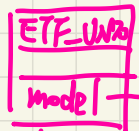
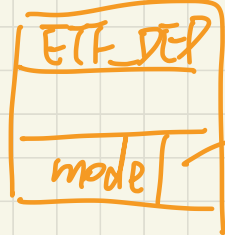
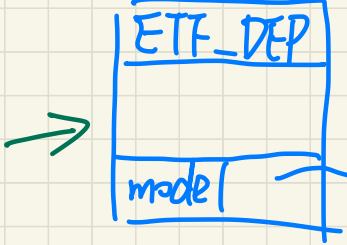
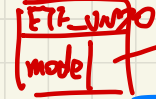


undo/redo Runtime

model.history[model.cur_pos].execute



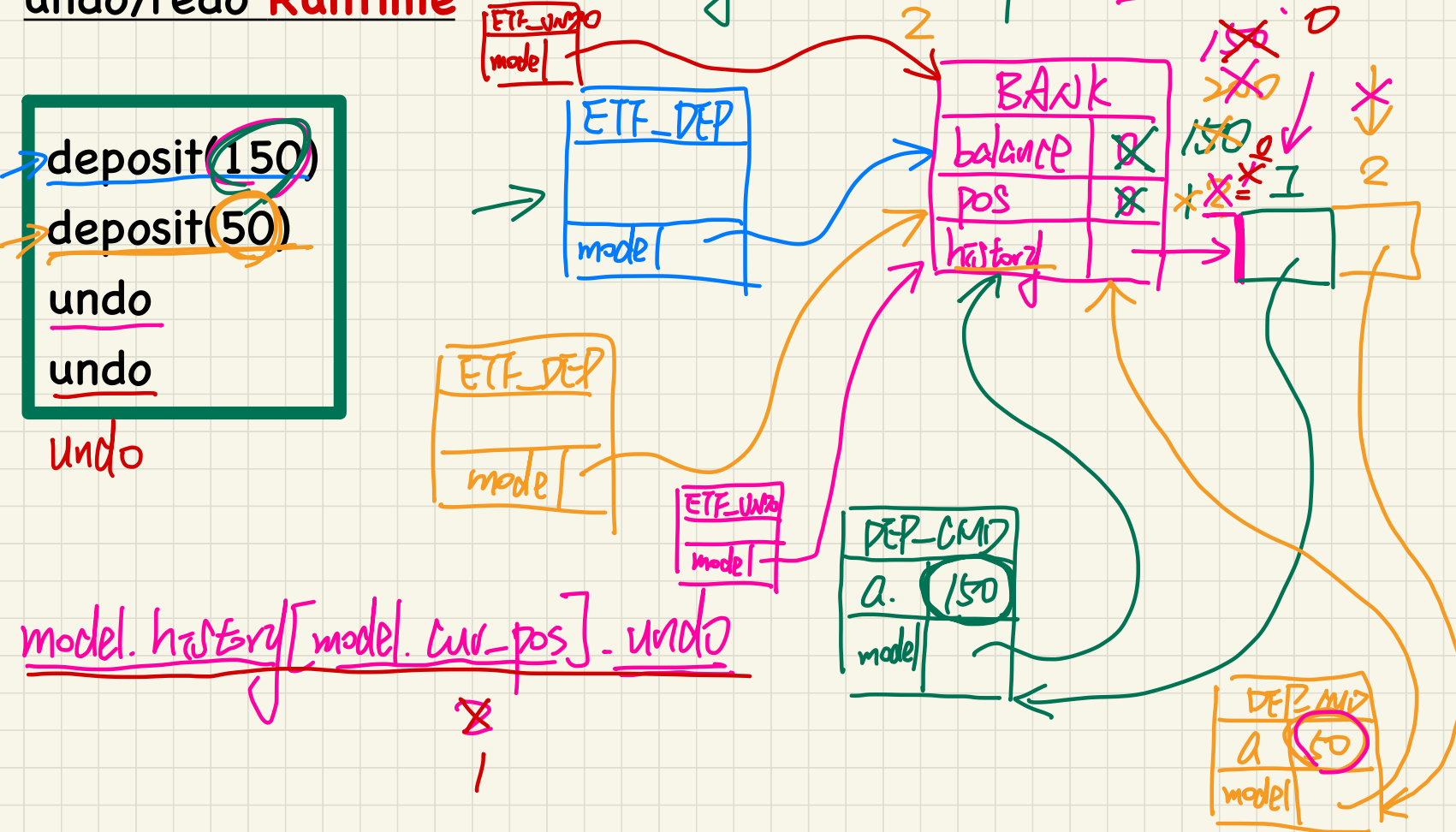
undo



~~150~~ 0
~~50~~
 150
~~X~~ = 1
 * 2

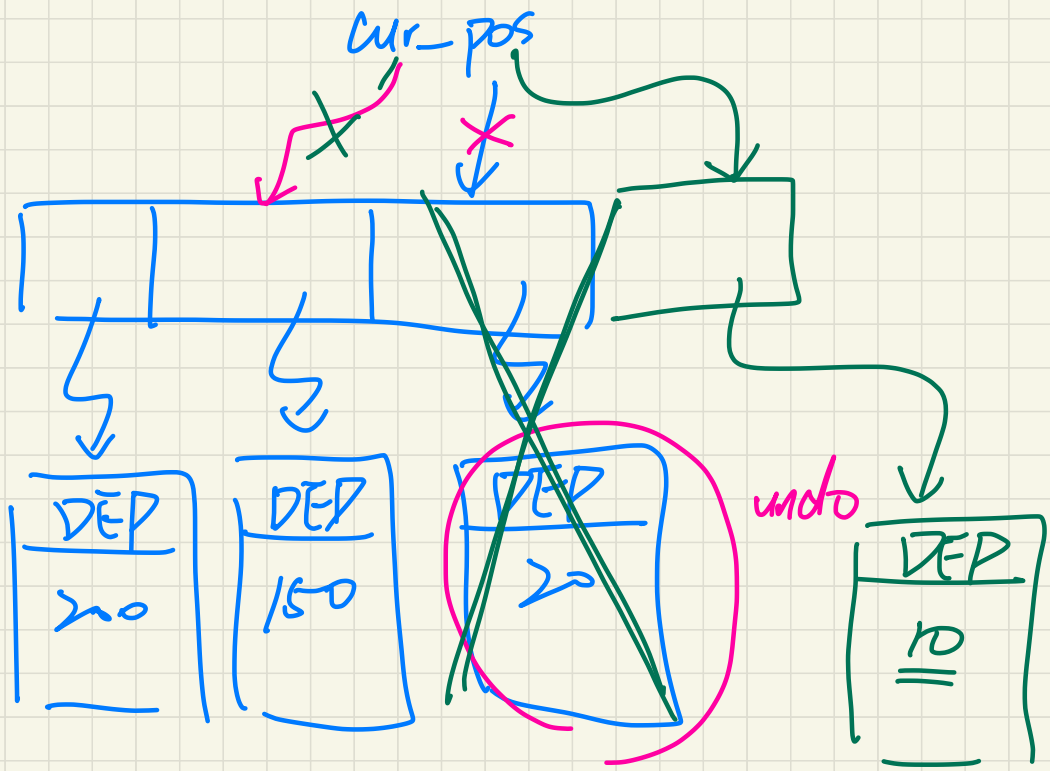
model.history[model.cur_pos].undo

X
/

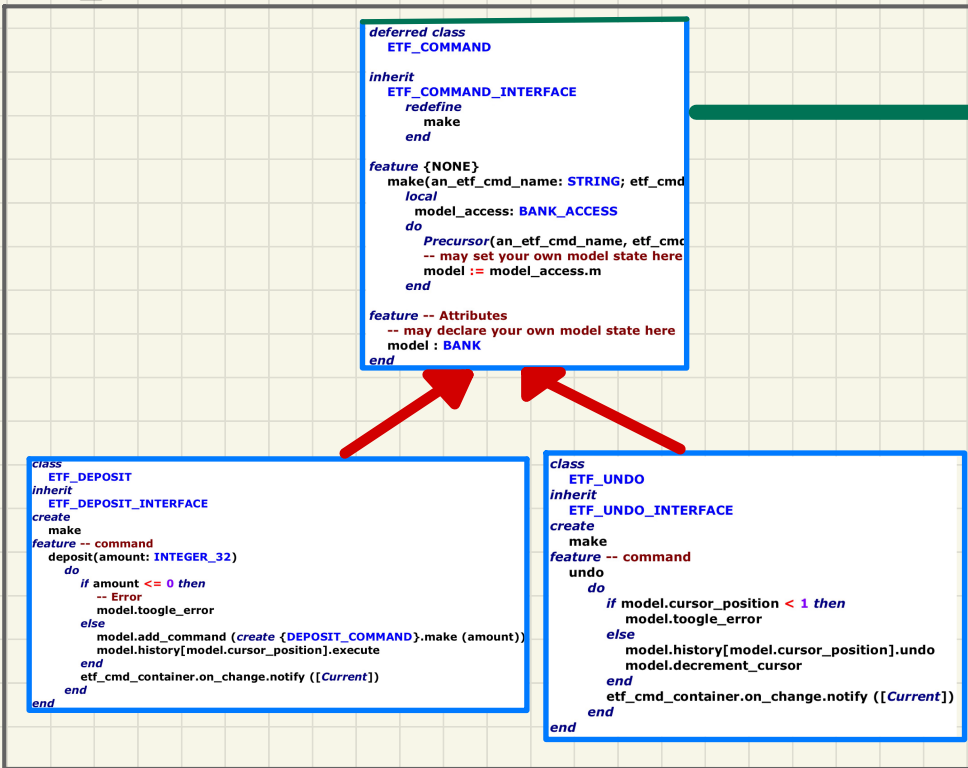


undo
deposit(10).

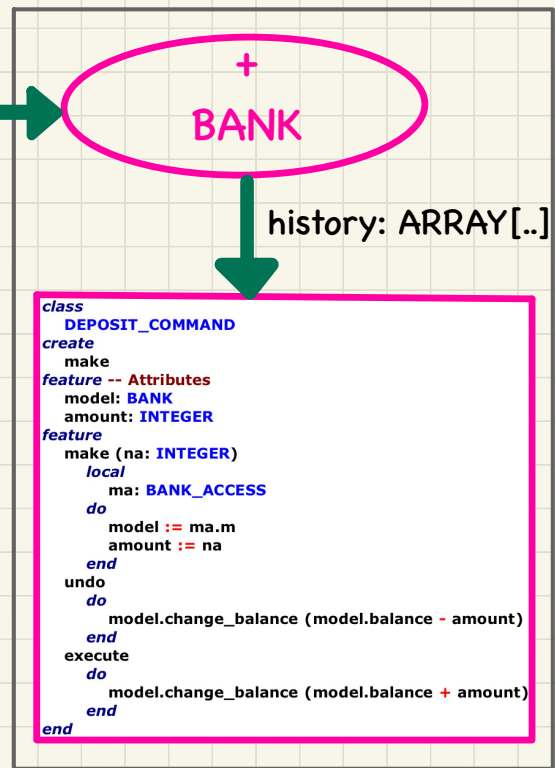
history →



user_commands



model



Improvements

- COMMAND inheritance hierarchy
- undo followed by a new command should cause a partial clearance of history
- Decoupling history-related features to a separate module