**Transaction Manager**

Parses commands from open script files and closes them when done

Tracks effects of transactions so can undo on abort

Data Structures:

**curr\_trans** - list of currently executing transactions/processes and script files

(TID - thread ID?, script filename) tuples

**transaction\_log** - tracks effects of currently running transactions

Variables:

**read\_mode** - 0 (round robin) or 1 (random)

**log\_file** - file handle for Transaction Manager log file

Functions:

// Undo effects of transaction with TID

**undo\_effects**(TID)

// Parse next commands to pass on to Scheduler

**parse\_commands**(script\_file, num\_commands)

for num\_commands

extract next command from script\_file

**handle\_command**(command,TID,data\_item)

// Add information to transaction\_log, then pass on to Scheduler

// Also handles aborts if necessary, then passes on to Scheduler

**handle\_command**(command, TID, data\_item) {

if (abort && transaction)

**undo\_effects**(TID)

pass on to **Scheduler**

after returned status/values

update transaction\_log

}