MacMOOSE
Version 1.0b1
by Amy Bruckman, Adam Skwersky, and Steven Tamm, developed as part of the Tools To Think With project, directed by Mitchel Resnick.
MIT Media Lab
December 1994

MacMOOSE is a client program designed to make accessing certain kinds of MUDs (MOOs and MOOSEs[1] less awkward. **It will not work with other kinds of MUDs**. MacMOOSE is particularly focused on making programming easier. Its features include the ability to:

• View help in a separate window,
• Edit properties and verbs in Macintosh (WYSIWYG) style, and
• Open an "object browser" to see all the verbs and properties on an objects.

I. INSTALLATION
MacMOOSE 1.0b1 requires System 7, MacTCP, and the use of the TGE TCP Tool, freeware written by Tim Endres. The TGE TCP Tool is included in this release. To install MacMOOSE:
• Drag the TGE TCP Tool to your System Folder

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[1]MOOSE is a new language (built on top of MOO) designed to make it easier for children to learn to program. MOOSE and MacMOOSE are being developed at the Media Lab as part of Amy Bruckman's doctoral dissertation. MOOSE Crossing, a virtual world for kids using the MOOSE language, is scheduled to open some time in 1995. For more information, send email to moose-request@media.mit.edu

- After you launch MacMOOSE, fill in the required information on the registration screen.

II.   BUG REPORTS

MacMOOSE is provided free of charge by the MIT Media Lab. In return, we require that you register your copy on the start-up registration screen, and we ask that you please send us detailed bug reports. Bug reports should be mailed to:

bug-macmoose@media.mit.edu

Bug reports should include:
- the version of MacMOOSE you are running,
- what type of Macintosh you use,
- what version of the system software you run,
- how much RAM you have,
- what MOO(SE)s you were connected to,
- as precise as possible a description of what caused the error, and
- whether you were able to recreate the same error.

III.   KNOWN BUGS
A.   Lag
Connections to MUDs with very high lag may be dropped. If you receive "Not Connected -- Nothing Sent", then pressing **Command-Option-K** should cause the connection to be reestablished.   We believe this to be a bug in Tim Endres' otherwise wonderful TGE TCP Tool.   Weird error messages and system crashes have been observed after a connection is dropped. If this proves to be a problem for you, we recommend you not use MacMOOSE with slow MOOs like LambdaMOO, ChibaMOO, and The Sprawl. Important note: if when working with a slow MUD you get a dialog box offering the options continue, fail, or quit, **click continue**. Clicking quit may cause your machine to crash.

B.   Enter Mode
While you are in "enter mode" in a MOO line editor, none of the features of MacMOOSE will work.

IV.   TECHNICAL NOTES
A.   Development Platform
MacMOOSE is written in Symantec Think C 5.04 and the Think Class Library (TCL) 1.1.2.

B.   Required MOO Commands
On Startup, MacMOOSE sends three commands to the MOO(SE):
@wrap off
@pagelength 0
;me.wizard

If the last command returns "I don't understand that," MacMOOSE knows you do not have a programmer's bit.

If you do not want wrap or pagelength to be turned off, you can use ResEdit to replace the strings 3 and 4 in STR# 2975 "Programmer Check Strings" with just a return. If you do choose to turn this off, problems could arise with the programming editors, and especially the object browser.

The programming editors use the following commands. If any of these are unsupported, compatibility with the client is not guaranteed. Commands which must be supported are:

@verb
@property
;player:my_match_object()
;verbs()
;$object_utils:findable_properties()
@parents
@chmod
@program
@list
@args
@display

In many cases, the client anticipates the output from these functions. If you have modified LambdaCore to change the output from these functions or if you are not using LambdaCore, MacMOOSE may not work. Specific questions about what is expected may be sent to bug-macmoose@media.mit.edu.

C. **"Always Edit on Parent"**
A quick explanation is necessary for the "always edit on parent" feature in the preferences dialog box. Suppose you try to edit the verb "pet" on Rover, but that verb is defined not on Rover but on Rover's parent, Generic Dog. By default, MacMOOSE prompts you to ask if you want to declare the verb on the child(Rover), or edit it on the parent (Generic Dog). If you select "always edit on parent" in the preferences dialog box, it will assume you want to edit the verb on the parent (Generic Dog), and not interrupt your work with the dialog box.

V. **PLANNED FEATURES**
Many features are planned for future versions of MacMOOSE, including:
• An interface to MOOmail,
• Support for dial-up access, and
• A visual editor for association lists with indented sub-fields.

Requests for new features are welcome, and should be sent to bug-macmoose@media.mit.edu. If you would like to write your own extension to MacMOOSE (A scrabble board? A shared white-board?), contact us about receiving a copy of the source code.

VI. **CREDITS AND ACKNOWLEDGMENTS**
MacMOOSE 1.0b1 was developed by Amy Bruckman, Adam Skwersky, and Steve Tamm as part of the Tools To Think With research project in the Epistemology and Learning Group of the MIT Media Lab. The Tools To Think

With project is directed by Professor Mitchel Resnick. Greg Hudson worked on an early version of MacMOOSE.

We would like to thank the authors of several public domain and free software packages available on the net which have made the development of MacMOOSE much easier: CPEditText by Christopher J. Wysocki; CPStyleText by John A. Love III; CConnection by Romain Vignes; CDividedPane by Mark Alldritt; CMultiStdPopupPane by Michael Abramowicz; CAboutBox by FrostbyteDesign/ Eric Scouten; and CPrefsFile by Jaime McCarthy.

VII.   COPYRIGHT NOTICE AND DISCLAIMER