Time_mcc

Kai Hofmann

Copyright © CopyrightÂ©1996-1997 Kai Hofmann. All rights reserved.

COLLABORATORS

	TITLE : Time_mcc	

ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Kai Hofmann	April 17, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1 Time_mcc **1**

1.1 Time.mcc . . . 1
1.2 Copyright . . . 1
1.3 Distribution . . . 2
1.4 Disclaimer . . . 2
1.5 Trademark . . . 3
1.6 Support/Updates . . . 3
1.7 Author . . . 3
1.8 Description . . . 4
1.9 Requirements . . . 4
1.10 Installation . . . 5
1.11 Developer Informations . . . 5
1.12 History . . . 6
1.13 Todo . . . 7
1.14 Known problems . . . 7
1.15 Acknowledgments . . . 7
1.16 Please rate . . . 8
1.17 Subclasses . . . 8
1.18 MUI . . . 8
1.19 MagicWB . . . 9
1.20 WrapGuide . . . 10
1.21 Index . . . 10

Chapter 1

Time_mcc

1.1 Time.mcc

Table of Contents

Copyright - Copyright information
Distribution - Copying conditions
Disclaimer - Legal Information
Trademark - Trademark information
Support/Updates - How to get updates and support
Author - How to reach the author
Description - What is Time.mcc?
Requirements - Requirements for using Time.mcc
Installation - How to install Time.mcc
Developer Info - Information for developers
History - Revision history of Time.mcc
Todo - Todo list
Known problems - List of known problems
Acknowledgments - Acknowledgments
Please rate - Please rate Time.mcc
Subclasses - Subclasses build on Time.mcc
Index - Alphabetical index

If you have AmigaDOS® 2.0 or 2.1, you will have to scroll to the right in order to read the text. AmigaGuide® for these versions of AmigaDOS® is unable to wordwrap the text.

1.2 Copyright

Copyright

This software and its documentation are copyright 1996-1997 by Kai Hofmann. All rights reserved!

- Permission for COMMERCIAL USE is only given by an extra available commercial

license that must be validated!

Contact me directly for this license, because it will be individually handed

out per your needs!

- Permission is hereby granted, without written agreement and without license,

to USE this software and its documentation for any NON-COMMERCIAL purpose,

provided that the above copyright notice and the following paragraph appear

in all copies of this software (Non-commercial includes Giftware!).

Please send me a full version of your product at no cost including free

updates!

Extra money is welcome (For Bank Account see author - but *ONLY* send in DM

to this Bank Account!).

1.3 Distribution

Distribution

Permission is hereby granted, without written agreement and without license or royalty fees, to copy and distribute this software and its documentation for any purpose, provided that the above copyright notice and the following paragraphs appear in all copies of this software, to:

- All who will distribute this software for free!

- All free accessible INTERNET servers!

- All Aminet® sites

- Fred Fish for his great Amiga-Software-Library

- The German SAAR AG PD-Library

- Angela Schmidt’s Meeting Pearls series

- All others who do NOT take more than US$ 5.- for one disk that includes this

software!

IMPORTANT NOTE:

This package may not be included on any further Aminet CD-ROMs unless authors contributing their software to the CD-ROM, (without mentioning distribution "NoCD") are granted a copy of the CD *completely* *free* *of* *charge*.

The Meeting Pearls IV CD-ROM demonstrates that a Freebie policy is also possible with "very-low-budget" CD-ROMs (*), so Aminet should quickly re-establish the same Freebie policy it used up to Aminet CD 13.

(*) Suggested retail price for MP4 is DM 14,95/US$ 12/£ 8.95.

1.4 Disclaimer

DISCLAIMER

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDER AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THE AUTHOR HAS NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

1.5 Trademark

Trademark

DateLib is a trademark of Kai Hofmann

Amiga, AmigaDOS, AmigaGuide and Workbench are registered trademarks of Amiga International, Inc.

Aminet is a registered trademark of Stefan Ossowskis Schatztruhe GmbH

SAS/C is a registered trademark of SAS Institute Inc.

All other trademarked names used herein are used for the purposes of identification and for the benefit of the trademark holder. No infringement of trademarks is intended. Trademarks remain the property of the trademark holder.

1.6 Support/Updates

Support/Updates

- Updates will be available via Aminet®

- Support will be available via the authors email address and via

http://home.pages.de/~i07m/amiga/mui/Time.html

1.7 Author

Author

Kai Hofmann

Arberger Heerstraße 92

28307 Bremen

Germany

Phone: (+49)-(0)421/480780

EMail: i07m@informatik.uni-bremen.de

i07m@zfn.uni-bremen.de

IRC : PowerStat@#AmigaGer

WWW : http://home.pages.de/~i07m/

1.8 Description

Description

Time is an abstract Custom Class of the Magic User Interface © by Stefan Stuntz.

It's a subclass of notify-class and only usable for developers who want to build subclasses of Time.mcc!

The idea of this class was born during developing my Gregor application.

MUI abstract public custom class that allowing easy handling of time. Because it is abstract it is only usefull for developers working with classes that are based on Time.mcc (like TimeString.mcc), or those who want to build their own Time.mcc based classes.

Time.mcc features:

- Handles daylight savings time

- Handles time zones

- Supports MUIM_Import and MUIM_Export

- Supports drops of other time objects and time-strings

- The time can be read in hour/minutes/seconds format or as seconds from

midnight on

- The time range can be restricted

- It's possible to notify a Date.mcc object when the next or previous day

was reached

- Method to set the current time

- Methods for increasing and decreasing the time

- Method to compare with another time object

1.9 Requirements

Requirements

- MUI 3.1 (Version 12)

- date.library

- To use the Greek MCC-Install script you need the

"Greek Workbench" © AC Software

- To use the Russian MCC-Install script you need

"Rusifier" © Dmitry Mikhilov

1.10 Installation

Installation

Please only install Time.mcc when you are a developer!

Use the installer script!

(The Installer must be in your system-path!)

If you use an Installer prior to V42 you should set the LANGUAGE Tooltype to your language. Installer V42 and better automatically use your current locale.

Please note that the installer-script is very special, because:

- It features uninstallation

- It is automated

- It is very flexible

- It is very intelligent (for an installer-script ;-)

- It uses WrapGuide (if present) for the Amigaguide

documentation if running under a pre V39 system.

- It can be reused by (hopefully) all other MUI custom classes, because the

authors of custom classes need to only change a few things:

* The #copyright variable

* The #min_os_version and #min_os_revision variables

* The #min_mui_version and #min_mui_revision variables

* The #language_mcc and #language_mcp variables

* The P_CustomExists, P_CustomInstall and P_CustomUninstall procedures

* The 'APPNAME' tooltype within the MCC-Install icon.

1.11 Developer Informations

Information for Developers

There is no multiple inheritance for Boopsi/MUI for the moment, so we haven't any chance to create a real Time basis-class. But there is another way to have the same result (compatibility for all classes that are dealing with time).

The solution is called interface inheritance like it was done with IDL for CORBA.

Interface inheritance has some advantages and some disadvantages.

The advantages are:

- (Pseudo) multiple inheritance

- The same interface for all classes dealing with Time

The disadvantages are:

- Every one who wants to subclass Time.mcc must include the code for Time.mcc

in the new subclass.

But this can be easier done by using the DateLib and/or the Amiga-OS support

functions.
Btw. the same happens for IDL, but by using C++ it is possible to inherite
the implementation.
A future release of Time.mcc will include a full skeleton C code, so that
everyone can start his subclasses on this.
Please note, that you can not compile Time.mcc!
This is because I don’t want to distribute the folowing files at the moment:
date.h, datetime.h, datesys.h, date_pragmas.h
These files are part of my DateLib (TM) project. A new release will be
available in 1997.
Please note that the supplied source is version 12.0!
Btw. it would be wise to use a
SetAttrs(obj,
MUIA_Time_Hour, hour,
MUIA_Time_Min, min,
MUIA_Time_Sec, sec,
TAG_DONE
);
instead of single set()’s.

1.12 History

History

10.02.1997 - First release on Aminet
28.03.1997 - Second release on Aminet
* Added MUIA_Time_MidnightSecs for seconds since midnight
* Added Blitz Basic 2 interface
* Added Cluster interface
* Added ARexx interface
* Added MUIBuilder3 description
* Added German documentation
* Added drop support
14.08.1997 - Third release on Aminet
* Added Amigaguide V40 features to the documentation
* Added "Please rate" section to the documentation
* MCC-Install 43.21
* Added MagicWB readme
* Compiled with MCCLib 12.2

* MUIM_Time_Compare

* Bugfix in MUIM_Time_SetCurrent

* Optimizations

07.10.1997 - Fourth release on Aminet

* Accept drags with time-strings

* Compiled with MCCLib 12.4

* date.library 33.280

1.13 Todo

Todo

Notify on locale preference change (time zone): env:sys/locale.prefs

1.14 Known problems

Known problems

- Old versions of the program called 'PhoneCost' written by André Schenk <schenkae@tick.informatik.uni-stuttgart.de> installed another 'date.library' into 'Libs:'.

1.15 Acknowledgments

Acknowledgments are going to the following people:

Rita Reichl : for correcting my English and being my inspiration

James Cooper,

Steve Krueger,

Doug Walker : For supporting SAS/C® after SAS suspends the support.

Stefan Stuntz : for the Magic User Interface and for his support

Klaus Melchior : for the MUI custom class support

Martin Huttenloher : for MagicWB

Udo Schuermann : for WrapGuide

Stefan Kost : for ag2txt

Jürgen Kohrmeyer : for the rexxtricks.library

Henning Thielemann : for help with the Cluster interface

Eric Gerard : for his great icons

1.16 Please rate

Please rate

Please rate Time.mcc and MCC-Install. To do so, send an email to

aminet-server@wuarchive.wustl.edu

with the following content:

RATE dev/mui/MCC-Install.lha <num>

RATE dev/mui/MCC_Time.lha <num>

where <num> is a mark from 0..10 with 10 being the best.

You can rate several programs in one mail.

Thank you!

1.17 Subclasses

Subclasses

The following classes are build on Time.mcc:

TimeString.mcc:

By Kai Hofmann <i07m@informatik.uni-bremen.de>

http://home.pages.de/~i07m/amiga/mui/TimeString.html

Aminet:dev/mui/MCC_TimeString.lha

1.18 MUI

This is a custom class of the

MUI - MagicUserInterface

Copyright © 1993-1997 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With

the aid of a preferences program, the user of an application has the

ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing

lots of examples and more information about registration please look for

a file called "muiXXusr.lha" (XX means the latest version number) on

your local bulletin boards or on public domain disks.

If you want to register directly, feel free to send

DM 30.- or US$ 20.-

to

Stefan Stuntz

Eduard-Spranger-Straße 7
80935 München
GERMANY
Support and online registration are available at
http://www.sasg.com/

1.19 MagicWB

This product is based on or uses parts of
MagicWB - The Workbench Enhancer

Copyright © 1992-1997, Martin Huttenloher
If you use and like this product you should very much consider to take a look at MagicWB, which is the authentic source of the style, colors and design elements contained in this package. It features hundreds of original icons, patterns, image-drawers, dock-brushes and some specially designed high-quality fonts to improve the comfort & legibility of your daily Workbench session.
What is MagicWB? MagicWB is a full replacement for the Graphical User Interface of the Workbench and has become the standard visual interface on the Amiga. Over the last years MagicWB has received various merits and an overwhelming response from Amiga magazines and users worldwide proclaiming it "a must for all Amiga users". Even commercial applications are supporting the multi-colored look & style of MagicWB.
Get yourself the latest version of MagicWB and see for yourself the wonders it can do by automatically transforming your old and dull Amiga Workbench into an impressive workstation environment that will be the envy of all PC Windows and Mac users. Update yourself to the state-of-the-art workbench standard everyone uses on the Amiga! It is also your key to enjoy the new look & feel of many applications and other MWB add-ons and extensions.
MagicWB is distributed as shareware. Get yourself the latest FREE PUBLIC RELEASE of MagicWB now: It is called
---
MagicWB21p.lha
---
and can be found everywhere on Aminet (or your local BBS or public domain series). Install it and witness the instant magic it performs on your old Amiga Workbench. Also included is the latest SASG registration program with which you can order and get the full registered version of MagicWB.

If you want to order directly, feel free to send
DM 30.- or US$ 20.- (cash, no checks!)
to
Martin Huttenloher
Am Hochstraess 4
D-89081 Ulm
Germany
You may also choose to visit the official MagicWB homepage on the world wide web. There you can find the latest news & support and even register your MagicWB online (which is much more comfortable and faster). You can even benefit from various special offers & discounts for MagicWB if you order through our website! Come and visit MagicWB at:
---
http://www.sasg.com/

Save 20% by using the discounts on our website!
Ordering online also saves you a lot of time and work!

1.20 WrapGuide

WrapGuide is Copyright 1994-1995 Udo Schuermann
All rights reserved

1.21 Index

Index

Acknowledgments
Author
Copyright
Description
Developer Info
Disclaimer
Distribution
History
Installation
Known problems
MagicWB
MUI

Please rate

Requirements

Subclasses

Todo

Trademark

WrapGuide