

>\$Clockwork

Welcome, (Username)

Buy Present for Wife

Book Restaurant at 2

Finish Presentation

JUNE 2012

29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

Command List:

> add Personal Buy Present for Wife 25/05/2012

> add Personal Book Restaurant at 2 25/05/2012

> add Work Finish Presentation

Type Command:

> exit progr

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User guide

Table of Contents

- About
- Quickstart
- Features
- Command Cheatsheet

About

Are you a command-line addict? Are you looking for an easy-to-use schedule with the full functionalities of a to-do scheduler? Look no further. >\$Clockwork is a to-do list scheduler runs entirely on user typed command. Through the command line interface, you may:

- Add, modify, undo and delete tasks
- Display tasks
- Mark tasks
- Search tasks
- Change data storage and log file location
- Get help

>\$Clockwork does all that and more! It is a simple tool that will display the tasks you have keyed in through the command line in an organized GUI.

Quickstart

- Launch Clockwork.jar
- In the 'Type Command' box as shown below, key in your command.
eg. exit program

Type Command:

> exit progr

- Press Enter to run the command.
- Try more commands:
 - add <task> [from <date> to <date>] [by <date>] [priority high | medium | low]
 - Command: display [uncompleted | completed | all]

To learn more about the full list of commands, refer to the 'Cheatsheet' section below.

Features

Add a task

- Command: add <task> [from <date> to <date>] [by <date>] [priority high | medium | low]
- Aliases: +, a

While entering command for adding a task, the bottom of the program will be extended to provide visual feedback to the user, showing the user how the program is reading the user's input.

Specifying priority

- Priority keywords: priority, p, pri
- Priority levels: high, medium, low

Each priority level has a corresponding color for visual feedback. Red represents High, yellow represents medium, and Green represents low. The default priority has no indicator.

Specifying dates

- Start-date keywords: start, from, begin
- End-date keywords: by, due, end, to
- Date/time formats (non-exhaustive): today, tomorrow, monday-sunday, dd/mm/yy, dd-mm-yy, 3pm, 3:30pm, 1530

Examples:

```
from tomorrow to sunday
start 1/1/16 end 2/1/16 9pm
by tomorrow 3pm
due 10pm
```

- If no date or time is specified, the task will be added as a todo item.
- If only time is specified, the date will be set as the current day.
- If only date is specified, the default end time is 11:59pm
- When entering a date range without times specified, the default start time is 12am and the default end time is 11:59pm.

Modifying a task

- Command: edit <taskID> [<new_task_description>] [from <date> to <date> | by <date> | date none] [priority high | medium | low | none]
- Aliases: e, modify, update, change

The task ID refers to the number displayed beside each task. It is also possible to edit only the task's description, deadline or priority by not specifying the others.

Displaying tasks

- Command: display [uncompleted | completed | all]

- Aliases: view, show, v
- "uncompleted" aliases: u, uncomp, uncompleted, i, incomp, incomplete, pend, pending
- "completed aliases": c, comp, complete, completed
- "all" aliases: a, al

Marking tasks

- Command: mark <taskID> [<taskID> <taskID> ...] | all
- Aliases: m

The “all” keyword can be used instead of a task id to mark all currently displayed tasks. Multiple tasks can be marked by separating the task IDs with either comma or a space.

After an uncompleted task has been marked, its description will have a strikethrough effect, deadline will be greyed out, and background color will differ from unmarked tasks. Subsequently, it will not be displayed on the list of pending tasks. Marking the task again will remove the mentioned visual effects and also allow it to be displayed on the list of pending tasks. The command Mark toggles the completed or uncompleted state of the task.

Deleting tasks

- Command: delete <taskID> [<taskID> <taskID> ...]
- Aliases: d, del, -, rm, remove

Multiple tasks can be deleted by separating the task IDs with either comma or a space. Deleted tasks will not be displayed in any list of tasks.

Searching

- Command: search <keyword> [between <date> and <date> | after <date> | before <date> | date none] [priority high | medium | low | none] [type comp | pend]
- Aliases: s

Keyword refers to a word in the task description. It is possible to search only by date, priority or type by not specifying the others.

Undo

- Command: undo
- Aliases: u

Change the data storage and log file location

- Command: save [log] <path>
- Default log file path: ./logs/next.log
- Default storage file path: ./next.txt

Getting help

- Command: help [<command>]
- Aliases: h, ?

Cheatsheet

Command Format:	Aliases:
add <task> [from <date> to <date>] [by <date>] [priority high medium low]	+, a
search <keyword> [between <date> and <date> after <date> before <date> date none] [priority high medium low none] [type comp pend]	s
undo	u
save [log] <path>	
help [<command>]	h, ?

Appendix A: User stories. As a user, ...***[Likely]***

ID	I can ... (i.e. Functionality)	so that I ... (i.e. Value)
addFloating	add a task by specifying task description only	can record tasks that I want to do some day
addWithTime	add a task by specifying task description and time only	can record tasks that I want to do today
addWithDate	add a task by specifying task description and date only	can record tasks that I want to do that day
addWithPriority	add a task by specifying task description and priority	can record tasks that I want to do first
add	add a task by specifying task description, priority, date and time	can see the tasks to do
flexibleCommand	key in commands by their other aliases as well	can type commands more naturally

seeID	see my task by the task ID	can make changes to the task
editWithDescription	edit a task given only the task ID and description	can make changes to the task if I only remember the description
editWithDeadline	edit a task given only the task ID and deadline	can makes changes to the task if I only remember the deadline
editWithPriority	edit a task given only the task ID and priority	can makes changes to the task if I only remember the priority level
displayCompleted	see completed tasks	can know what tasks I have done
displayIncomplete	see incomplete tasks	can know what tasks I have yet to do
displayAll	see all tasks	can decide what task to do in the list
markTask	mark tasks as completed or incomplete	can categorise what I have done or not done
markAll	mark all tasks as completed	can easily categorise everything in a single command
removeTask	delete a task	can make up for any error I made in creating the task
search	search for a task by keyword	can easily find a task that I can only recall by the keyword
searchDate	search for a task only by date	can easily find a task that I can only recall by the date
searchPriority	search for a task only by priority	can easily find a task that I can only recall by the priority level
searchType	search for a task only by whether it is completed or incomplete	can easily find a task that I can only recall by the type
undo	undo a command entered	can spend less time correcting the mistake in entering the command
saveLogBy	change the data storage and log file location	can modify the contents of my to do list by the text document itself
getHelp	see the command list for the list of	can better recall the commands to use

	commands	
setGeneric	set generic email replies	can personalize the way I want my generic message templates to read
sendGeneric	send generic email replies	can save time crafting email to messages that require standard replies
autofill	auto fill commands	can save time typing commands
emailNotification	be notified of tasks by email	can be reminded of the tasks I need to do in another platform
setEmail	set the email address linked to my Google account	can directly send generic emails to a specified email address
quickAdd	get support for gCal Quick Add command format	can better integrate the two platforms together
uploadToGcal	upload to do items to gCal from >\$Clockwork	can see my tasks on gCal after keying them in >\$Clockwork
getFromGcal	update to do items from gCal to >\$Clockwork	can see the tasks keyed in on gCal on >\$Clockwork

[Unlikely]

ID	I can ... (i.e. Functionality)	so that I ... (i.e. Value)
integrateFacebook	integrate >\$Clockwork with my Facebook account	can share, like and comment on tasks with my social network
hideHotkey	have a hotkey to hide >\$Clockwork	can have more working space on my desktop while being able to easily check >\$Clockwork
exceedAlarm	have an alarm to notify me if I have set too many tasks in a day	know that I may be over planning too many activities in the day

Appendix B: Non Functional Requirements

- The software should run on Windows 7 or later.
- The software able to perform even without network connections.
- Disaster recovery, the file can be saved to the disk after each user operation.
- The software should work stand-alone and work without requiring an installer.
- The software should have shorter running time.
- The software should be reliable and fault tolerance.
- The software should not violate other constraints.
- The software should be free for all users.

Appendix C: Product survey

Product: Doodle Documented by: Rajendran Premkumar
Strengths:
Once registered, connect the user's calendar and keep track of all the polls.
Offers a native app for all mobile devices.
Able to show the user's available date and how the user wants to be contacted.
Connect calendars which able the user to edit meeting requests directly in the calendar interface.
Can be used for Business or Enterprise which has added functionality and theming possibilities.
Users can receive the schedule link to administer his/her poll at provided e-mail addresses.
Good user interface.
Weaknesses:
Lack of market exposure for mass usage.
Too many email threads.
Limited functionality.
Users have to pay to integrate with desktop schedulers.
Do not have functionality to prevent double-bookings.

Product: Timebridge Documented by: Xu Haoting (Regine)
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Strengths:
Once registered, connect user's calendar with Google or My Outlook.
Organizers can share a public calendar to their friends.
Invitees can select a preferred time.
Measures available to prevent double-bookings.
Users can customize events and share them in the calendar.
No spam.
Excellent user interface.
Good market reach - more than 250000 people and businesses around the world use this product.
Phone conferencing and video conferencing functionality.
SMS feature for notes, attachments and reminders.
Weaknesses:
Registration required for organizers.
Does not sync with Yahoo! Calendars.
No functionality to designate certain attendees as VIP or required.
Time glitch with the download for Outlook appointment.
Weak web conferencing functionality.

Product: Google Calendar Documented by: Rebekah Low Jin Yan
Strengths:
Free for use, and users may connect to their Gmail friends
Organizer can share a public calendar to their friends and groups.
Public holiday is automatically marked.
Options available to make events public or private.

Users can customize events and share in the calendar.
Users can create multiple calendar for different groups.
Excellent user interface.
Fully cloud-enabled with offline tools and device synchronization.
Sync across each and every Google account-linked devices with Google Calendar
Weaknesses:
Requires registration for organizers.
Compatibility issues with sending events to non-Google calendar users.
Calendar events cannot be added from non-primary Google email addresses.
GUI appear less elegant and usable on the iOS.

Product: Sunrise Calendar Documented by: Morgan James Howell
Strengths:
Easy-to-navigate user interface.
Calendar will automatically be imported into the linked Facebook or Google accounts if they are used for registration.
Users may view reminders and calendar entries which are imported from iCloud Calendar and Reminder on the same screen.
Pioneering calendar app for Android and web devices.
Allows user to see Google Maps previews for maps and directions and Facebook events integration.
Weaknesses:
Users cannot search for a specific entry in their agenda.
Can go one year ahead of the present time.

Month view does not show the days the user has an event.
Widget only shows agenda view.
No "quick add" for adding events by typing commands like "Dinner with John at 8pm".