\$AVE IT - User Guide

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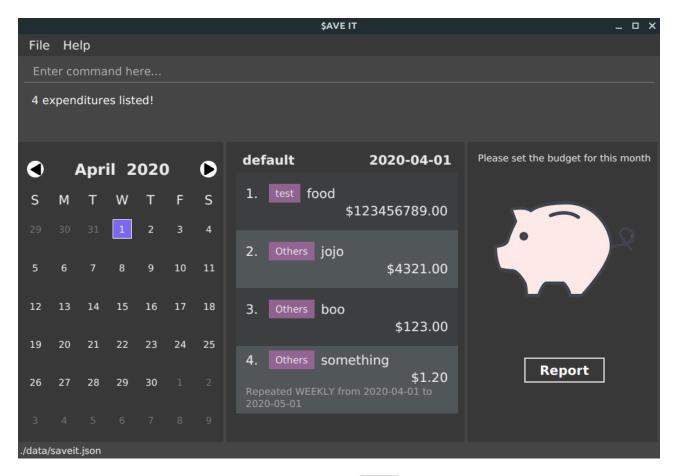
By: Team T10-3 Since: Mar 2020 Licence: MIT

1. Introduction

\$AVE IT is a **desktop budget management application**. We are here to assist tertiary students who have needs in financial budgeting and management. Tertiary students who have to manage finance accounts from different sources such as school project and personal spending will find ease in using our application.

2. Quick Start

- 1. Ensure you have Java 11 or above installed in your Computer.
- 2. Download the latest \$AVE II.jar here.
- 3. Copy the file to the folder you want to use as the home folder for \$AVE IT application.
- 4. Double-click the file to start the app. The GUI should appear in a few seconds.



- 5. Type the command in the command box and press Enter to execute it. e.g. typing help and pressing Enter will open the help window.
- 6. Some example commands you can try:
 - exp add -i chicken rice -a 4.50: adds new expenditure and information.
 - exp delete 3: deletes the 3rd expenditure shown in the current list.
 - exit: exits the app.
- 7. You can refer to Main Commands for details of each command.

3. Features

\$AVE IT consists of features such as disjoint account, expenditure management, recurring expenditure, budgeting, report. Additional features are calendar, autocomplete and auto-saving of data.

3.1. Disjoint Accounts (Jiang Jiahui)

This feature aims to help you better organise your expenditures by allowing you to separate them into disjoint accounts.

You can add any many accounts as you like:

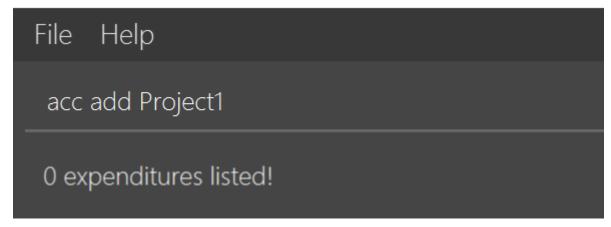


Figure 1. Add account

View your list of accounts using the command acc list:

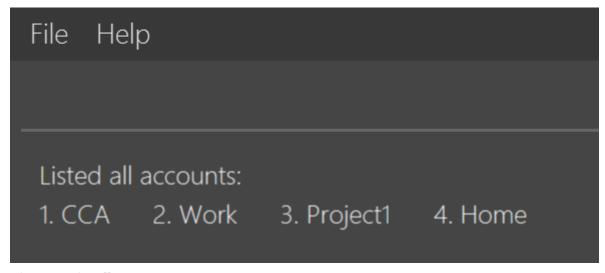


Figure 2. List all accounts

Switch to a different account using the command, acc checkout ACCOUNT:

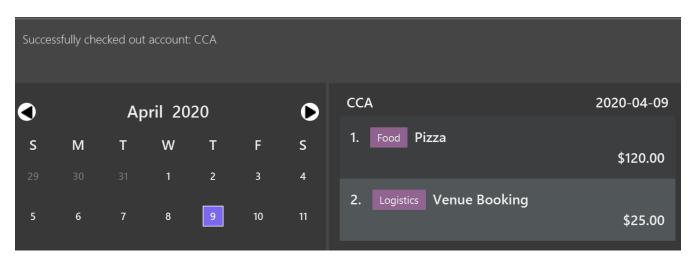


Figure 3. Switch account to CCA

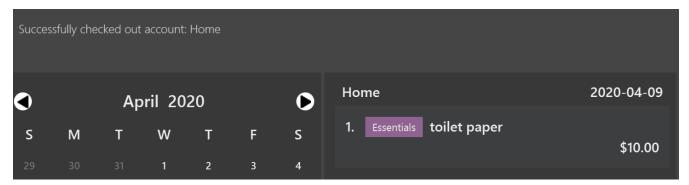


Figure 4. Switch account to Home

Refer to Account Commands for more details on commands, including renaming, deletion and clearing of data.

3.2. Expenditures (Jiang Jiahui)

This feature forms the basis of our application. Use it to track your daily expenses!

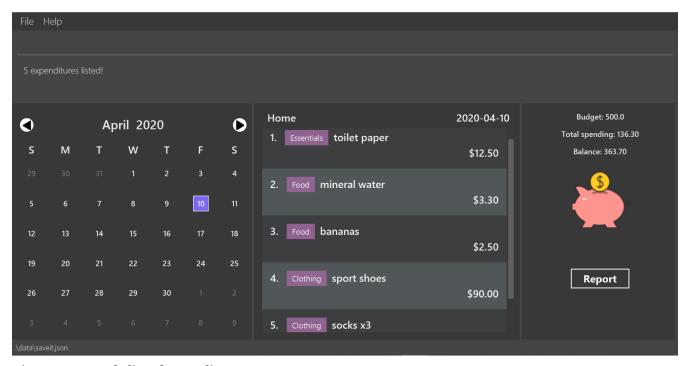


Figure 5. Example list of expenditures

Refer to Expenditure Commands for more details on how to add, edit, and delete expenditures.

3.3. Repeat (Zheng Shaopeng)

The *Repeat* feature allows you to add recurring *expenditures*.

You are able to create fixed expenditures records which will be recurring daily, weekly, monthly or annually. As shown in the diagram below, a repeat will have a different display as compared to expenditure. "Repeat details" includes the frequency of recurring, start date and end date are displayed.

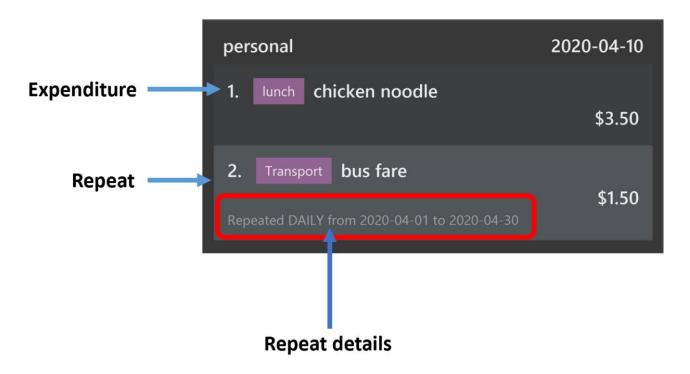


Figure 6. Display difference between Expenditure and Repeat

3.3.1. Repeat type commands

Repeat has very similar command as Expenditure, with just a few of values to be specified. Here, we will be using repeat add command as an example, while other repeat commands works the same way.

Format: repeat add -i INFO -a AMOUNT -sd START_DATE -ed END_DATE -p PERIOD [-t TAG]

1. Key in the command into the command box. We will be using repeat add -i bubble tea -a 3.50 -sd 2020-04-01 -ed 2020-04-30 -p weekly -t drink as an example.



Figure 7. Input command

2. A response will be given to indicate that this recurring expenditure has been recorded.



Figure 8. Response given

3. As the START_DATE is 2020-04-01 and the PERIOD is set to weekly, thus the first record will be at 2020-04-01 and last record will be on 2020-04-29.

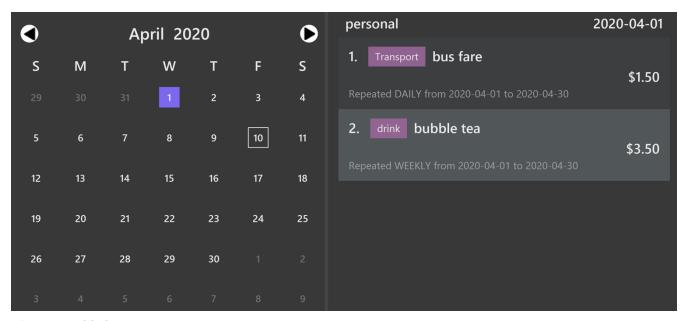


Figure 9. Added to 2020-04-01

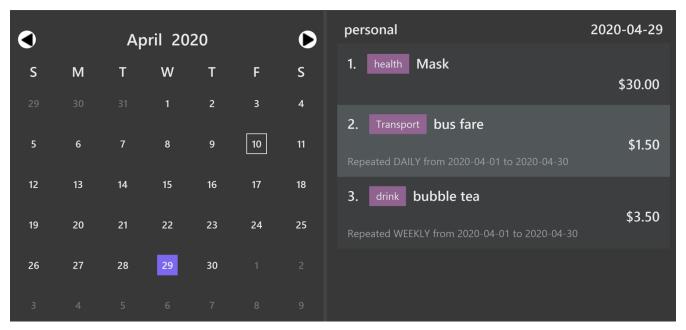


Figure 10. Added to 2020-04-29

NOTE

For repeat add -i rental fee -a 300 -sd 2020-03-31 -ed 2021-03-31 -p monthly -t housing, as the start date is 2020-03-31, the next tentative date should be 2020-04-31 but this date is invalid. Hence, this expenditure record will be shown on 2020-04-30 instead. For May, it will be still shown on 2020-05-31.

This applies to leap year too

Refer to Repeat Commands for more details on how to add, edit and delete Repeat type expenditures.

3.4. Budget (Lim Feng Yue)

The *Budget* feature allows you to set your budget monthly, and give you a better sense of whether you are on track to your financial goals. You can see your budget at the right panel of the application.

Initially, you will see this:



Figure 11. No budget set

It means that there is not budget set for the month.

In order to know which month this month in the above image refers to, you can look at the date in the middle panel.

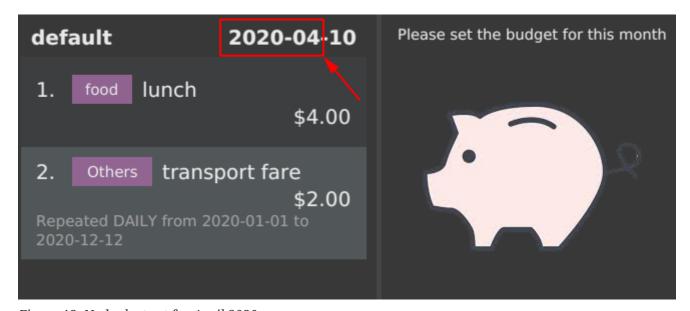


Figure 12. No budget set for April 2020

3.4.1. Setting a budget

To set a budget you can use the setbudget Command. Shown below is an example:

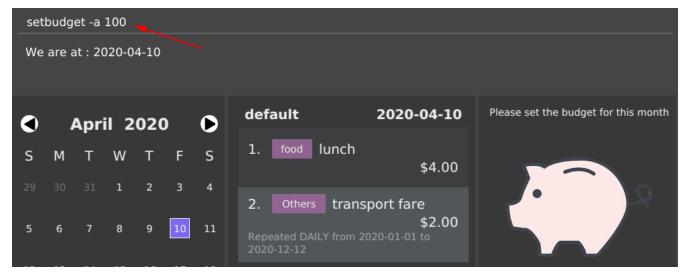


Figure 13. Setting this month's budget to \$100

After setting a budget, you will see that the information on the right panel has changed:

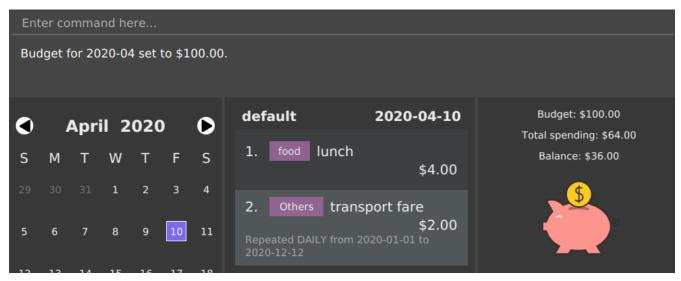


Figure 14. After setting a budget for April 2020

If your budget has been met, you will see the piggy bank from above. If your budget is not met, you will see something like this:

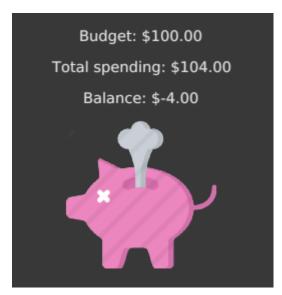


Figure 15. Budget not met

3.4.2. Viewing budget from another month

To view budget from another month, you can use the go command, or the Calendar feature to view any date of the month.

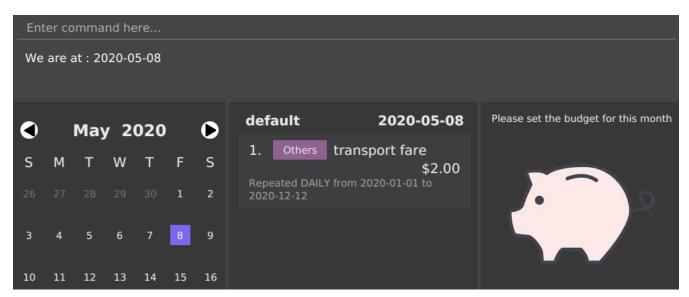


Figure 16. View May 2020 budget

For example, going to 8 May 2020 allows you to view the budget set for May 2020.

3.5. Report (Ng Xin Pei)

3.5.1. Function

The *Report* feature allows you to have a quick overview of your expenditures. It can tell you your total spending within a period of time and have your spending categorised either by month or tag. You can have also have a permanent copy of the report, through the report printing and export capabilities.

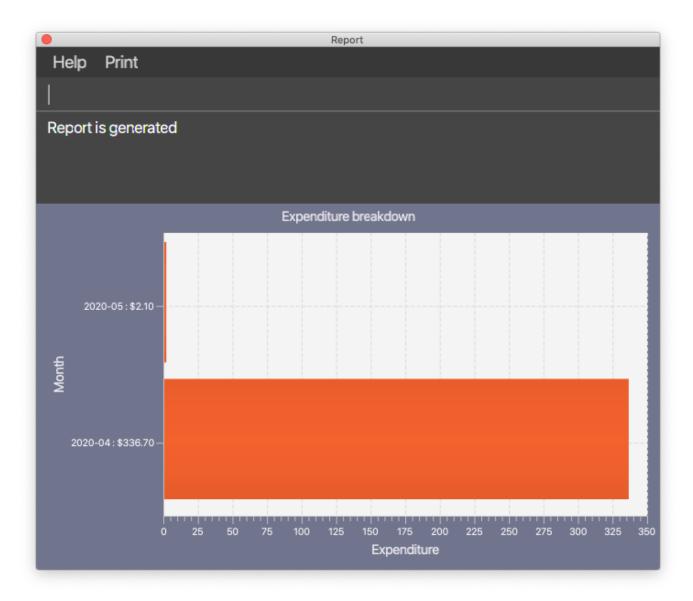


Figure 17. Bar chart report

This is an example of the report in bar chart format with the expenditures grouped by months. The horizontal line represents the expenditures whereas the vertical line shows the month followed by the total spending in that month. Alternatively, you can also group the expenditure by tags and read off the bar chart in a similar fashion.

If you are a visual person, you can consider using the pie chart format instead!

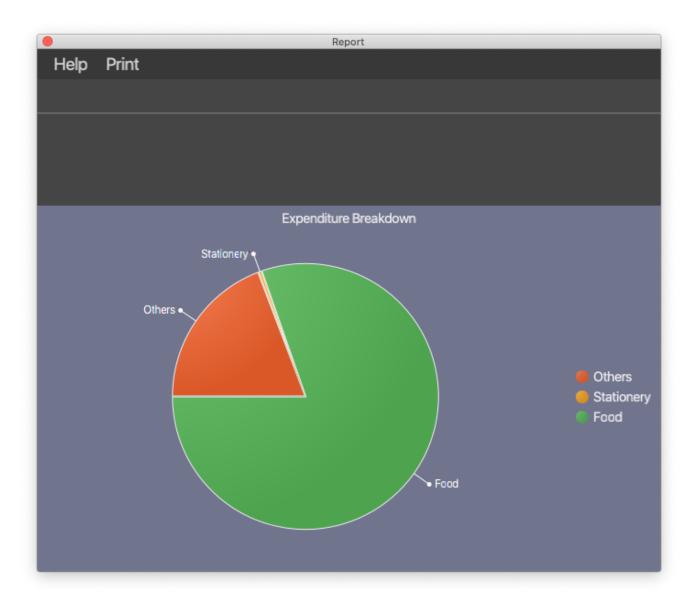


Figure 18. Pie chart report

This is an example of report in pie chart format with the expenditures grouped by tags.

If you are interested to find out more, you can explore Report Command to find out how to generate these graphs.

3.6. Calendar (Zheng Shaopeng)

The *calendar* feature aims to ease users' navigation experience.

- 1. Users are able to traverse between different dates by clicking on the calendar. Or.
- 2. Users are able to make use of go command to navigate to another date.

With reference to the diagram below, **Header** displays the year and month which the calendar is displaying. **Box 1** displays the day which you are looking at while **Box 2** refers to the today's date.

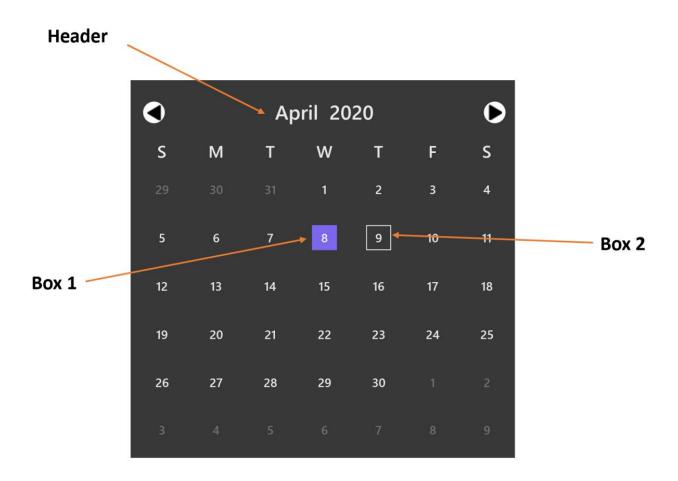


Figure 19. Calendar View

3.6.1. Navigate using calendar

It may be troublesome and inconvenient for you to keep on making use of the command line input to navigate between the dates, especially when the date you want to view is just one or two days before.

In this situation, you can interact with the calendar and navigate with a simple click.

For example, we are now viewing expenditure records which are on 2020-04-09. And we wish to view previous day's expenditure record. We can simply click on the date on the calendar. Below are two diagrams which will show the operation.

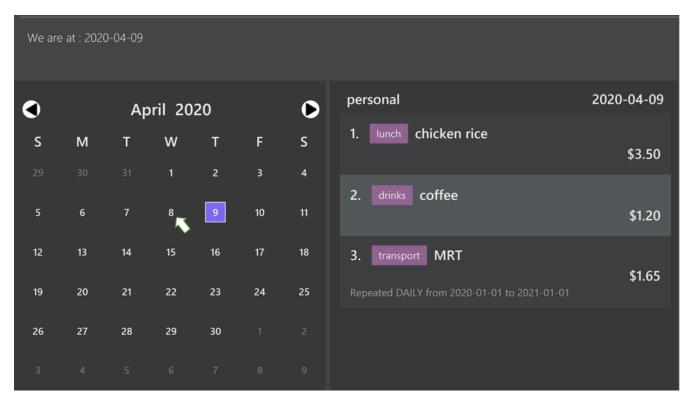


Figure 20. Before click (9 April)

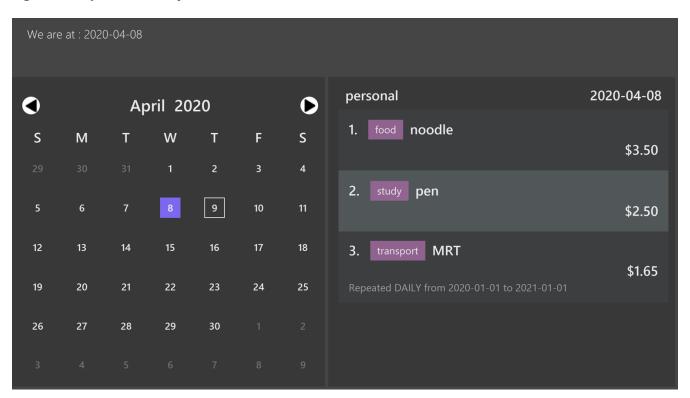


Figure 21. After click (8 April)

3.6.2. Navigate with 90 command

The developer team has taken into account the case when users wish to navigate to another date which is way before or after. Thus, we have integrate the calendar with go command.

For example, we are now viewing expenditure records which are on 2020-04-09 and we wish to navigate to 2019-04-09 through 90 command.

1. We need to input go 2019-04-09 into the command box which is shown in the diagram below.

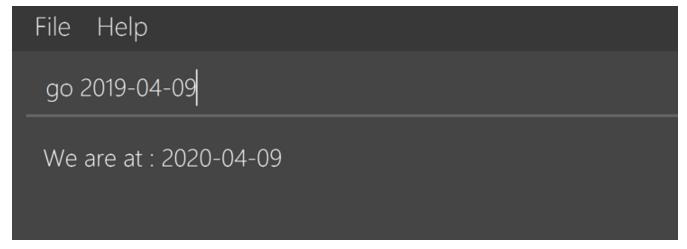


Figure 22. 90 command example

2. A response will be given to indicate that the date has changed.

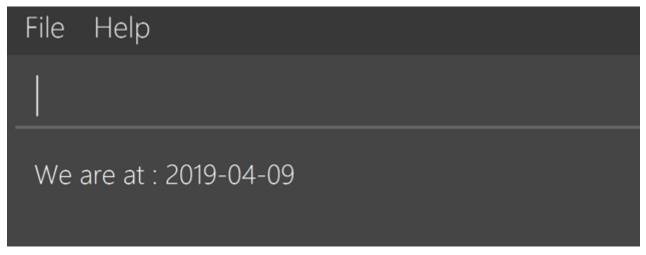


Figure 23. 90 command response

3. The calendar and the expenditure records will update accordingly.

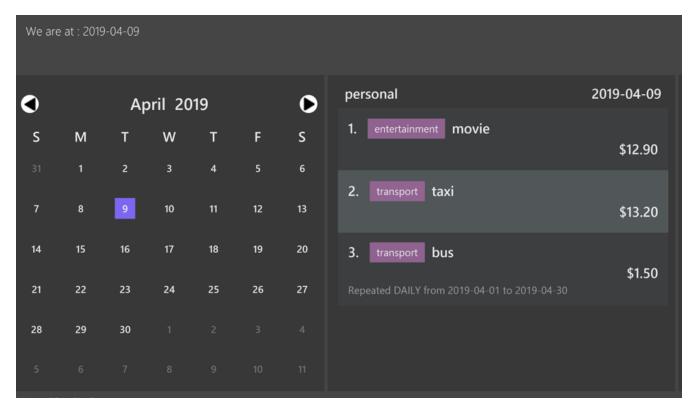


Figure 24. calendar and expenditure records are updated accordingly.

3.7. Autocomplete (Lim Feng Yue)

The *Autocomplete* feature allows you to complete the basic commands of the application. It matches what you type into the command box and tries to complete the command.

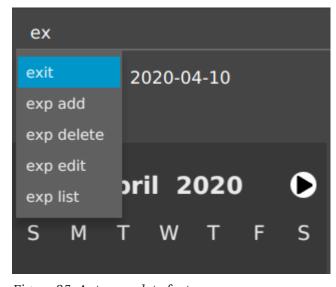


Figure 25. Autocomplete feature

TIP If no dropdown appear, it means that either: the text does not match any commands, or the dropdown is hidden after clicking away.

You can use the Up or Down arrow keys to navigate the dropdown, then press Enter to select the command you want to complete.

NOTE

The existence of the dropdown menu may require you to press Enter 2 times before the command is executed, due to how the autocompletion works.

NOTE

When pressing Down arrow key does not allow you to select the commands, it means that the text box is not focused. Clear all texts and try again.

3.8. Saving the data

\$AVE IT data is stored in the hard disk automatically after any command that changes the data. There is no need to save manually.

4. Main Commands

Command Format:

Let's use a command format, exp add -i INFO -a AMOUNT [-t TAG] [-d DATE] as an example.

- The first word is the **operation category** of the command, in this case, exp belongs to the expenditure operations.
- There may be a second word which is the specific command for the operation category, in this case, add.
- Words starting with e.g. -i, -a and -t are the **option prefix**. Not all commands have options, an example is deleting an expenditure, exp delete 1.

NOTE

Refer to Section 6.1, "Prefix Notation" for what each prefix means. Only the last valid prefix will be taken into account. E.g. exp add -i chicken rice -a 3.5 -a 4.0. The new expenditure record will have an amount fo 4.0 instead of 3.5. **This applies to all other command**.

- Words in caps are the **parameters** to be supplied by the user. INFO, AMOUNT and TAG are parameters representing information, amount and tag of the expenditure respectively. It can be used as such, exp add -i chicken rice -a 4.50 -t food.
- Items in square brackets are optional, that means in this example exp add -i chicken rice -a 4.50 is also valid.
- Parameters can be in any order e.g. if the command specifies -i INFO -a AMOUNT, -a AMOUNT
 -i INFO is also acceptable.
- However, if the parameter is not prefixed by any option prefixes, the order of the parameter matters.

4.1. Viewing help: help

Views the help message. Format: help [COMMAND]

• When the optional COMMAND is stated, more information on the category of commands will be shown.

TIP

The available COMMAND will be shown when entering help.

Examples:

- help
- help exp
- help go

4.2. Going to a specific date: 90

Lists the expenditures from a particular date.

Format: go DATE

• DATE is a date in the format of YYYY-MM-DD, or year month day.

TIP

Use go today to go to today's date.

Examples:

- go 2020-05-05
- go today

4.3. Account commands

4.3.1. Adding an account: acc add

Adds a new disjoint account to \$AVE IT.

Format: acc add ACCOUNT

- ACCOUNT is the account name. It must be less than 26 characters and must not contain any space in between.
- ACCOUNT must only contain letters and numbers, and it is also case-sensitive.
- The default account is called default, it is automatically created when you first use the application.

Examples:

- acc add school
- acc add SpendLess1

TIP

The application does not automatically switch to the new account. Use acc checkout ACCOUNT to do so.

4.3.2. Listing all accounts: acc list

List all disjoint accounts in \$AVE IT.

Format: acc list

4.3.3. Renaming an account: acc rename

Renames an existing account in \$AVE IT. Format: acc rename [OLD_NAME] NEW_NAME

- OLD_NAME is the name of an already existing account.
- If OLD_NAME is not specified, the current account will be renamed.
- NEW_NAME should not be the name of an existing account.
- See Section 4.3.1, "Adding an account: acc add" for account naming constraints.

Example:

- acc rename project2
 Renames the current account to project2.
- acc rename school uni
 Renames the account school to uni.

4.3.4. Changing the current account: acc checkout

Changes the account view to another existing account.

Format: acc checkout ACCOUNT

TIP Use acc list to view

Use acc list to view the available accounts.

Did you know git's git checkout command is our inspiration for acc checkout?

Example:

NOTE

acc checkout cca
 Sets cca to be the current account.

4.3.5. Clearing account information: acc clear

Reset the current account to a clean state.

Format: acc clear

WARNING

All information in the current account will be deleted, use with care.

4.3.6. Deleting an account: acc delete

Deletes an existing account in \$AVE IT.

Format: acc delete ACCOUNT

• ACCOUNT is the name of the account that will be deleted.

WARNING

The account and all the information in it will be deleted, use with care.

Example:

• acc delete school

Deletes the account named school.

4.4. Expenditure commands

4.4.1. Adding an expenditure: exp add

Adds an expenditure to the current account in \$AVE IT. Format: exp add -i INFO -a AMOUNT [-t TAG] [-d DATE]

- INFO contains a description of what you spent on.
- AMOUNT is how much you have spent (in dollars). It must be positive up to 2 decimal point and less than 1 billion.
- TAG is the category of the expenditure. The default tag is Others. Each expenditure belongs to only one tag.
- DATE is the date on which the expenditure happened. When not specified, will default to the active date (as shown in the middle section, or by the coloured date in the calendar)

Examples:

- exp add -i chicken rice -a 4.50
- exp add -i chicken rice -a 4.50 -t food -d 2020-01-01

4.4.2. Editing an expenditure : exp edit

Edits an existing expenditure in the current account in \$AVE IT. Format: exp edit INDEX [-i INFO] [-a AMOUNT] [-t TAG] [-d DATE]

- Edits the expenditure with the specified INDEX.
 INDEX refers to the index number assigned to each expenditure based on the order.
- At least one of the optional fields must be provided.
- Existing values will be updated to the input values.
- The expenditure records will be auto sorted again.
- Refer to Section 4.4.1, "Adding an expenditure: exp add" for what the options represent.

Examples:

- exp edit 1 -i veg rice
 Updates the info of expenditure with index 1 to veg rice.
- exp edit 3 -a 3.23 -t transport -d 2020-02-02
 Updates the amount, tag & date attributes to the new values.

4.4.3. Deleting an expenditure: exp delete

Deletes an existing expenditure in the current \$AVE IT account. Format: exp_delete_INDEX

• Deletes the expenditure with the specified INDEX.

INDEX refers to the index number assigned to each expenditure based on the order.

Example:

• exp delete 4

Deletes the expenditure with index 4.

4.4.4. Listing expenditures: exp list

Lists the expenditures for the current active date in the current account. Format: exp list

TIP Use this command after find to return back to normal daily view.

4.5. Repeat commands

4.5.1. Adding a repeated expenditure: repeat add

Adds an expenditure that can be repeated.

Format: repeat add -i INFO -a AMOUNT -sd START_DATE -ed END_DATE -p PERIOD [-t TAG]

Do note that duplicate repeat records are allowed.

- INFO is the information of the expenditure.
- AMOUNT is the amount of the expenditure (in dollars). It must be positive up to 2 decimal point and less than 1 billion.
- START_DATE is the date in which the expenditure will start recurring from.
- END_DATE is the date in which the expenditure will no longer recur.
- PERIOD is the interval the expenditure will repeat. Valid intervals are daily, weekly, monthly
 and annually.
- TAG is the category of the expenditure. The default category is Others. You can only specify a category.

Examples:

- repeat add -i transport fee -a 100 -sd 2020-01-01 -ed 2020-12-30 -p monthly Adds a repeated expenditure called transport fee which will be counted for \$100 monthly on the first day of the month for the year of 2020.
- repeat add -i transport fee -a 100 -sd 2020-01-01 -ed 2020-12-30 -p monthly -t transport

4.5.2. Editing a repeated expenditure: repeat edit

Edits an expenditure that can be repeated.

Format: repeat edit INDEX [-i INFO] [-a AMOUNT] [-sd START_DATE] [-ed END_DATE] [-p PERIOD] [-t TAG]

- Edits the repeated expenditure with the specified INDEX.

 INDEX refers to the index number assigned to each expenditure based on the order.
- At least one of the optional fields must be provided.
- Existing values will be updated to the input values.
- The records will be auto sorted again.
- Refer to Section 4.5.1, "Adding a repeated expenditure: repeat add" for what the options represent.

Examples:

- repeat edit 2 -i concession
 Edits the information of the repeated expenditure with index 2 to concession.
- repeat edit 3 -p weekly -ed 2020-07-02 Edits the interval for the repeated expenditure with index 3 to weekly and ends at 2 July 2020.
- `repeat edit 3 -ed 2021-07-3" Edit the end date for the repeated expenditure, this allows user to extend or shorten the whole duration.

4.5.3. Deleting a repeated expenditure: repeat delete

Deletes an expenditure that can be repeated.

Format: repeat delete INDEX

Deletes the repeated expenditure with the specified INDEX.
 INDEX refers to the index number assigned to each expenditure based on the order.

Example:

• repeat delete 4 Deletes the repeated expenditure with index 4.

4.6. Budget setting command: setbudget

Sets the budget amount in an account for the specified month.

Format: setbudget -a AMOUNT [-ym YEAR_MONTH]

- AMOUNT is the amount of the budget (in dollars). It must be positive up to 2 decimal point and less than 1 billion.
- YEAR_MONTH is in the format YYYY-MM, which is the year and month for the budget. If not specified, the current year and month will be used.

NOTE

Budget cannot be unset after setting it.

Examples:

- setbudget -a 1000 Sets the budget of \$1000 for this month.
- setbudget -a 1000 -ym 2020-03
 Sets the budget of \$1000 for the month of March in 2020.

4.7. Search by keyword or tag: find

Find expenditures (both single and repeated) which contain the keyword(s) **and** the specified tag (if present).

Format: find [KEYWORD···] [-t TAG]

- The search is case insensitive. e.g chickens will match Chickens
- The order of the keywords does not matter. e.g. Chicken Rice will match Rice Chicken
- Substrings will be matched e.g. Chicken will match Chickens
- Expenditures matching at least one keyword will be returned (i.e. OR search). e.g. Chicken Rice will return Fried Chicken, Steam Chicken

TIP Use exp list to exit from the search results.

Examples:

• find rice

Returns any expenditures or repeats containing rice, e.g. Chicken rice and Veg Rice.

find Spicy Chicken Rice
 Returns any expenditures or repeats that contains any one of the keywords Spicy, Chicken, or Rice.

find -t Food
 Returns all expenditures and repeats with the tag Food

find rice -t Food
 Returns all expenditures and repeats that contains the keyword rice and has the tag Food.

4.8. Report commands

This section will talk about how you can use report feature. Before we begin with the details of the command, here are some tips:

- 1. Before beginning this section, you can refer to Report to look at how the reports will look like and how to read it.
- 2. If there is a huge difference in expenditure amounts, using a Bar chart will be better as overlaps might occur for Pie chart.
- 3. For best usage, keep start date and end date to be **within 12 months** for reports generated by months. Similarly, keep number of tags to be **within 12** for reports generated by tags. It is possible that not all months or tags will be displayed, if start and end date exceeds 12 months or tags exceed 12.
- 4. Do read the NOTE section in the command, if any.

4.8.1. Viewing expenditures report: report view

Generates report on expenditure spending in the given period.

Format: report view -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION

- Views the report of a graph type populated with expenditure data from start date to end date.
- START_DATE is the date from which the report will start generating from.
- END_DATE is the date from which the report will stop generating.
- GRAPH_TYPE is the type of the graph you want to generate. Possible values are:
 - bar: bar graph
 - pie: pie chart
- ORGANISATION is how the expenditures will be grouped when generating the graph. Possible values are:
 - tag: organised by tags
 - month: organised by months

Examples:

```
• report view -sd 2020-03-01 -ed 2020-03-31 -g pie -o tag
```

• report view -sd 2020-03-01 -ed 2020-03-31 -g bar -o month

4.8.2. Exporting report: report export

Exports report on expenditure spending in the given period.

Format: report export -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION -f FILE_NAME

- Exports the report of a graph type populated with expenditure data from start date to end date into Report folder with file's name being FILE_NAME.
- START_DATE is the date from which the report will start generating from.
- END_DATE is the date from which the report will stop generating.
- GRAPH_TYPE is the type of the graph you want to generate. Possible values are:
 - bar: bar graph
 - pie: pie chart
- ORGANISATION is how the expenditures will be grouped when generating the graph. Possible values are:
 - tag: organised by tags
 - month: organised by months
- FILE NAME will be the name of the file.

NOTE

The file can be identified by FILE_NAME.png whereby FILE_NAME is specified by your input in the command. The file can be found in the Report folder which will be in the same directory as the jar file if you are running it by double-clicking the jar file. If you run the jar file on cmd, the Report folder will be located in the directory where you run the jar file.

Examples:

```
• report export -sd 2020-03-01 -ed 2020-03-31 -g pie -o tag -f hello
```

```
• report export -sd 2020-03-01 -ed 2020-03-31 -g bar -o month -f report
```

4.8.3. Printing report: report print

Prints report on expenditure spending in the given period.

```
Format: report print -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION
```

- Prints the report of a graph type populated with expenditure data from start date to an end date.
- Refer to Section 4.8.1, "Viewing expenditures report: report view" for the details on the parameters.

NOTE

For best usage, avoid sending multiple print jobs in short period of time. This prevents the print jobs from getting lost. The window may be unresponsive if the default printer is not set up, this will last for a few seconds. Eventually, a response stating "Set available printer as default printer before printing" will be given.

Examples:

```
    report print -sd 2020-03-01 -ed 2020-03-31 -g pie -o month
    report print -sd 2020-03-01 -ed 2020-03-31 -g bar -o tag
```

4.9. Exiting the program: exit

Exits the program.

Format: exit

5. Report Window Commands

These are the commands to be executed in the report window. Before we begin with the details of the command, here are some tips:

- 1. Before beginning this section, you can refer to Report to look at how the reports will look like and how to read it.
- 2. If there is huge difference in expenditure amount, using a Bar chart will be better as overlaps

might occur for Pie chart.

- 3. For best usage, keep start date and end date to be **within 12 months** for reports generated by months. Similarly, keep number of tags to be **within 12** for reports generated by tags. It is possible that not all months or tags will be displayed, if start and end date exceeds 12 months or tags exceed 12.
- 4. Do read the NOTE section in the command, if any.

5.1. Viewing expenditures report

NOTE

The result of this command is equivalent to Section 4.8.1, "Viewing expenditures report: report view".

Generates report on expenditure spending in the given period.

Format: view START_DATE END_DATE GRAPH_TYPE ORGANISATION

- Views the report of a graph type populated with data from expenditures from a start date to an end date.
- START_DATE is the date from which the report will start generating from.
- END_DATE is the date from which the report will stop generating.
- GRAPH_TYPE is the type of the graph you want to generate. Possible values are:

bar: bar graph

• pie: pie chart

- ORGANISATION is how the expenditures will be grouped when generating the graph. Possible values are:
 - tag: organised by tags
 - month: organised by months

Examples:

```
• view 2020-03-01 2020-03-31 pie tag
```

• view 2020-03-01 2020-03-31 bar month

5.2. Exporting report: export

Exports the current report shown in the report window.

Format: export FILE_NAME

- Exports the report to Report folder with file's name specified by user
- FILE NAME will be the name of the file.

NOTE

The file can be identified by FILE_NAME.png whereby FILE_NAME is specified by your input in the command. The file can be found in the Report folder which will be in the same directory as the jar file if you are running it by double-clicking the jar file. If you run the jar file on cmd, the Report folder will be located in the directory where you run the jar file.

5.3. Printing report: print

Prints the current report shown on the report window.

Format: print

NOTE

For best usage, avoid sending multiple print jobs in short period of time. This prevents the print jobs from getting lost. The window may be unresponsive if the default printer is not set up, this will last for a few seconds. Eventually, a response stating "Set available printer as default printer before printing" will be given.

5.4. Help: help

Shows the user the commands they can enter.

Format" help

5.5. Exiting the report window: exit

Exits the report window.

Format: exit

6. Command Summary

6.1. Prefix Notation

Prefix	Meaning
-i	information
-a	amount
-d	date
-t	tag
-sd	start date
-ed	end date
-ym	year month
-p	period
-9	graph type

-f	file name
-0	organisation

6.2. General Operations

```
help: help
go: go DATE
e.g go 2020-04-01
find: find [KEYWORD···] [-t TAG]
e.g. find chicken rice
setbudget: setbudget -a AMOUNT [-ym YEAR_MONTH]
e.g setbudget -a 1000 -ym 2020-04
exit: exit
```

6.3. Account Operations

```
    acc add: acc add ACCOUNT
        e.g. acc add Personal
    acc list: acc list
    acc rename: acc rename [OLD_NAME] NEW_NAME
        e.g. acc rename Personal non-personal
    acc checkout: acc checkout ACCOUNT
        e.g. acc checkout Personal
    acc clear: acc clear
    acc delete: acc delete ACCOUNT
        e.g. acc delete Personal
```

6.4. Expenditure Operations

```
exp add: exp add -i INFO -a AMOUNT [-t TAG] [-d DATE]
e.g exp add -i chicken rice -a 3.50 -t meal -d 2020-04-01
exp edit: exp edit INDEX [-i INFO] [-a AMOUNT] [-t TAG] [-d DATE]
e.g exp edit 1 -i duck rice -a 4.50 -d 2020-04-02
exp delete: exp delete INDEX
e.g exp delete 1
exp list: exp list
```

6.5. Repeat Operations

repeat add: repeat add -i INFO -a AMOUNT -sd START_DATE -ed END_DATE -p PERIOD [-t TAG]
 e.g repeat add -i bus fare -a 1.50 -sd 2020-03-01 -ed 2020-04-01 -p daily -t transport

repeat edit : repeat edit INDEX [-i INFO] [-a AMOUNT] [-sd START_DATE] [-ed END_DATE] [-p PERIOD] [-t TAG]
 e.g repeat edit 2 -a 1.20 -ed 2020-04-02
 repeat delete : repeat delete INDEX
 e.g repeat delete INDEX
 Note: PERIOD = daily | weekly | monthly | annually

6.6. Report (Main Window) Operations

• report view : report view -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION e.g. report view -sd 2020-03-01 -ed 2020-03-31 -g pie -o month

report export: report export -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION -f FILE_NAME
 e.g. report export -sd 2020-03-01 -ed 2020-03-31 -g pie -o month -f hello

• report print : report print -sd START_DATE -ed END_DATE -g GRAPH_TYPE -o ORGANISATION e.g. report print -sd 2020-03-01 -ed 2020-03-31 -g bar -o tag

GRAPH_TYPE: either pie or bar

*ORGANISATION: either tag or month.

6.7. Report (Report Window) Operations

- report view equivalence: view START_DATE END_DATE GRAPH_TYPE ORGANISATION e.g. view 2020-03-01 2020-03-31 bar tag
- report export equivalence: export FILE_NAME e.g. export hello
- report print equivalence: print e.g. print

```
Note:

GRAPH_TYPE = pie | bar

ORGANISATION = tag | month
```

• exit: exit e.g. exit

7. FAQ

Q: How do I transfer my data to another Computer?

A: Install the app in the other computer and overwrite the empty data file it creates with the file that contains the data of your previous \$AVE IT folder.