Week 4 Agenda:

Date: 29 Aug 2022, 6 - 7pm
1. Start collaborative docs [DONE]
2. Discuss overall project direction, target user profile and problem addressed

Idea 1 Evolve: 6 - 6:30pm

Evolve Idea

Target Use Profile
Students looking to network/find other students in their own community.

Possible Features to brainstorm possible feature:
Filtering through the address books for different types of people.
Assigning of tags to people to group them up into different categories.

Autocomplete on typing commands

Idea 2 Morph: 6.30-7pm

Morph Idea
Scope: Students, people interested in their own spending
Target group: Students have trouble budgeting themselves, and would want a summary of their budgeting process
Problem addressed: These students might have a lot of hidden expenses that they are not aware of. Students who want to find out which category they are overspending on/what type of expenditure should they cut down on.

Features:
1. **Logging income and expenses**
2. **View income and expenses in a graphical manner**
3. **Categorizing the expenses (food & drinks/ clothing/ …) and income (partime/allowance/investment)**
4. **Status bar**
5. Set budgeting goals

Idea 1 or Idea 2? [Chose Idea 2]

Limitations of Idea 1: Unable to properly evolve beyond just a standard address book. Our target group are students but we don't see how we as students will have much use for
Limitations of Idea 2: Amount of time we have to implement the features intended – prioritize the more important features first

Question 1: Product Name
PennyWise

Question 2: Target user profile
This product is for students who have trouble budgeting, thus would like to improve on their budgeting by identifying where they are overspending and setting budget goals.

Question 3: Value proposition
Empower students with the ability to make sensible financial decisions in their budgeting. Provides an overview of their own expenditures and saving in a graphical manner for easy comprehension by those who do not excel in math

Question 4: Public 'view' link to your collaborative project notes
https://docs.google.com/document/d/1Mrw3zaZRBr7LHu4YoR7R4CeEvzR8Gmlznl0NBMUvOWA/edit?usp=sharing

Week 5 Agenda

User Stories

As a	I want to	so that I can	Contribution
User	Input spendings/income Delete spending/income Input spending with date	record my spendings I can remove any wrong spending records I can keep track of when I spend my money	Jason ▾
Student with a source of income	input my salaries/income/allowance/investments	I can get an overview of my income	Jason ▾
User	View all my spendings	I can get a overview of all my spendings	Rui Han ▾
User	have a summary of my financials based on monthly income, savings, expenses Total income, Total amount saved, Total expenses	I can be aware of the amount of money i can spend	Rui Han ▾
User	edit any mistake entries in the application	to correctly log my budgeting	Jason ▾
Organized user	tag my spendings/income based on specific categories	keep track of which components I am spending more on	Jason ▾
Organized user	Define my own tags for the spending	I can categorize my spending	ALL ▾
Organized user	Filter my spendings/income according to the tags	I can have an overview of the areas where I spent	ALL ▾
Organized user	Filter my spendings by date range	I can have an overview of the amount I spent in a given period	ALL ▾
Visual Learner	Have pie charts that reflect my spending	Am able to better understand my spending patterns	Rui Han ▾
User	View expenses/ incomes in a sorted manner	I can see all expenses in ascending/descending order	Rui Han ▾

User	View a list of commands and how to use them	I can refer to it when i forgot the commands	Rui Han ▾
First time user	View a list of example spendings	I can know how the application operates	Emily ▾
User	Set recurring income/expenses	I do not have to constantly input recurring expenses	Rui Han ▾
User	automatically set the date of the spending to the current date input spendings for a particular day	I do not have to indicate the date every time I log the spending I can still record the date of spending correctly if I forget to do it on that particular day	Yuan Xi ▾
Forgetful user	set a reminder for me to log my spendings	I will not forget to record my spending for the period	Yuan Xi ▾
[Epic] Heavy spender	set a weekly goal of saving set a weekly limit of spending	I have added motivation to hit this saving goal I have added motivation to spend under this limit	Jason ▾
User	Have a progress bar for how much I am spending relative to my target amount	Know how I am meeting my progress for budgeting	Emily ▾
User	Compare average monthly spending/income/savings	To be able to better understanding my spending habits	Sharma… ▾
User who is particular about the app's look (?)	change fonts and color themes	I can customize the app's appearance to suit my preference	Yuan Xi ▾
User	Have auto complete for commands	I can type faster	Rui Han ▾
User saving up for a goal	Add my financial goals Contribute to my financial goal Edit my financial goal	So I can view my financial goals at a glance So I can track my savings for the financial goal In case I entered the fields	Sharma… ▾

	Delete my financial goal	wrongly If the goal is no longer relevant	

Extension to work on

Feature name	Feature description	Assigned to
B-RecurringTasks	Provide support for managing recurring tasks e.g a weekly project meeting	Yuan Xi ▾
C-Sort	Ability to sort items e.g sort deadlines chronologically	Jason ▾
C-Statistics	Provide a way to leverage statistics about the items managed by the App e.g show the number of tasks that have been completed in the past week	Emily ▾
C-Tagging	Provide a way to tag items e.g tag a task as #fun	Sharm… ▾
C-Flexible data source	Provide a way to switch data files	Rui Han ▾
D-Loans	Support keeping records of loans given/taken e.g money lent/owed to colleagues/friends	NIL ▾
D-Expenses	Support managing info about expenses e.g the amounts spend on food, books, transport, etc.	NIL ▾
		NIL ▾

Week 6 Agenda

User Guide Draft:

Week 7 Agenda

Individual Tasks
1. Add a PR https://nus-cs2103-ay2223s1.github.io/website/schedule/week6/project.html#5-get-familiar-with-the-code-base to our forked repository
2. Add own details and suitable photo in the aboutUs page
3. Add skeletal project profile page

Roles
- Code Quality: Have peer reviewers for each non-trivial merges instead of a single person. When we assign a person to work on a feature/bug, we should assign a reviewer too.
- Testing: Person who wrote the code should test, and reviewer (and other team members) can help to uncover blind spots
- Scheduling and Tracking: Jason (breaks up tasks individually per week and ensure deadlines are met)
- Documentation: Emily (individuals should write their documentation and we need to coordinate at the end)
- Team Lead:

S/N	Description	Assigned to …
	TP Admin	
1	Deadline: Week 7 Tutorial Add UI mock up of intended final product - UI Mockup: https://docs.google.com/presentation/d/1Fa2ElHbxVd2vSjof__prEnQ5aIpa3UeYP9S9EvOL5do/edit#slide=id.p (Move to "CS2103T Team Project" drive)	ALL ▾
2	Deadline: Week 7 Tutorial Move User guide content to Repo (all should do a part of the docs) - Intro & Content page - Sharmaine	ALL ▾

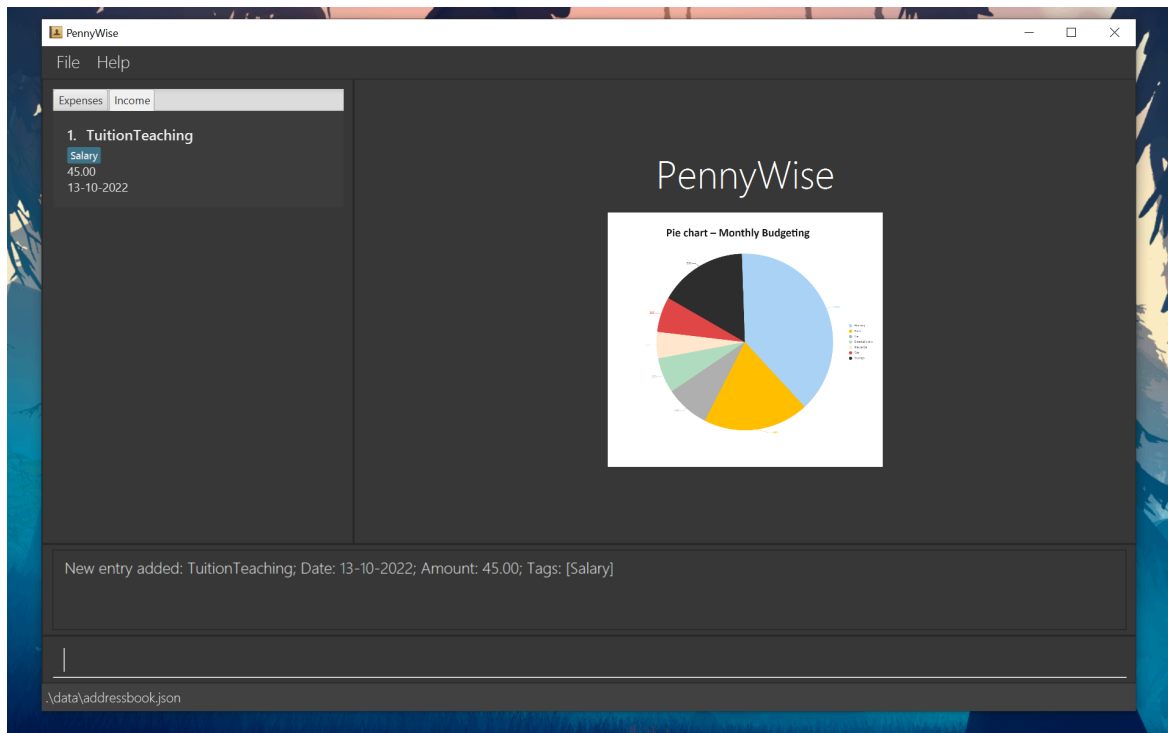|		
	- Quick start & feature 1 - yuanxi - Feature 2 - 4 - Rui Han - Feature 5,6 & FAQ - Jason - Command Summary - Emily	
3	Deadline: Week 7 Tutorial Add the following to the developer guide - Target user profile - yuanxi - Value proposition - Jason - User stories - Sharmaine - Non functional requirements - Emily - Glossary - Rui han	ALL ▾
V1.2 (User guide by Week 7 Tutorial)		
5	Input spendings / spendings with date	Jason ▾
6	Delete spendings	Jason ▾
7	Input income	Yuan Xi ▾
8	Delete Income	Yuan Xi ▾
9	View all spendings	Emily ▾
10	Financial summary	Rui Han ▾
11	Change ui - change texts from address book -> pennywise	Sharmaine ▾

Week 8 Agenda

V1.2 implementation

V1.2		
1	Input spendings / spendings with date	Jason ▾
2	Delete spendings	Jason ▾
3	Input income	Yuan Xi ▾
4	Delete Income	Yuan Xi ▾
5	View all spendings	Emily ▾
6	Financial summary	Rui Han ▾
7	Change ui	Sharmaine ▾
8	Edit Expenditure	Jason ▾

V1.2 Wrap up

Features

1. Split Viewable list window into 2: Expenditure and Income

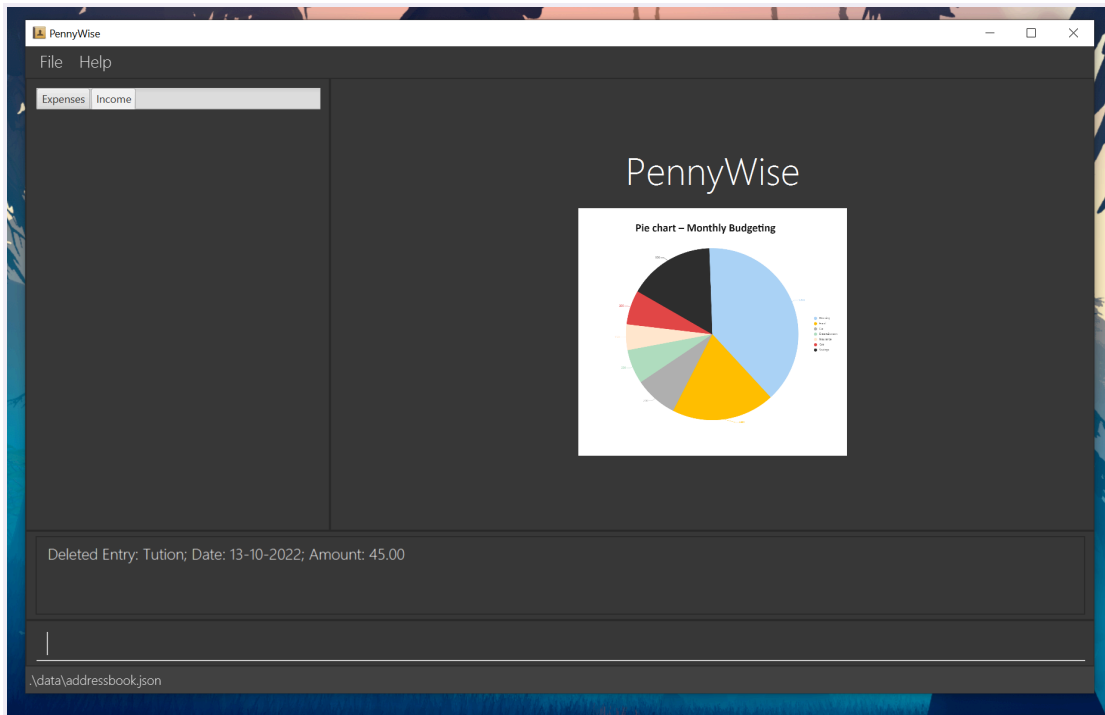2. Adding / Deleting / Editing of Income: add delete edit

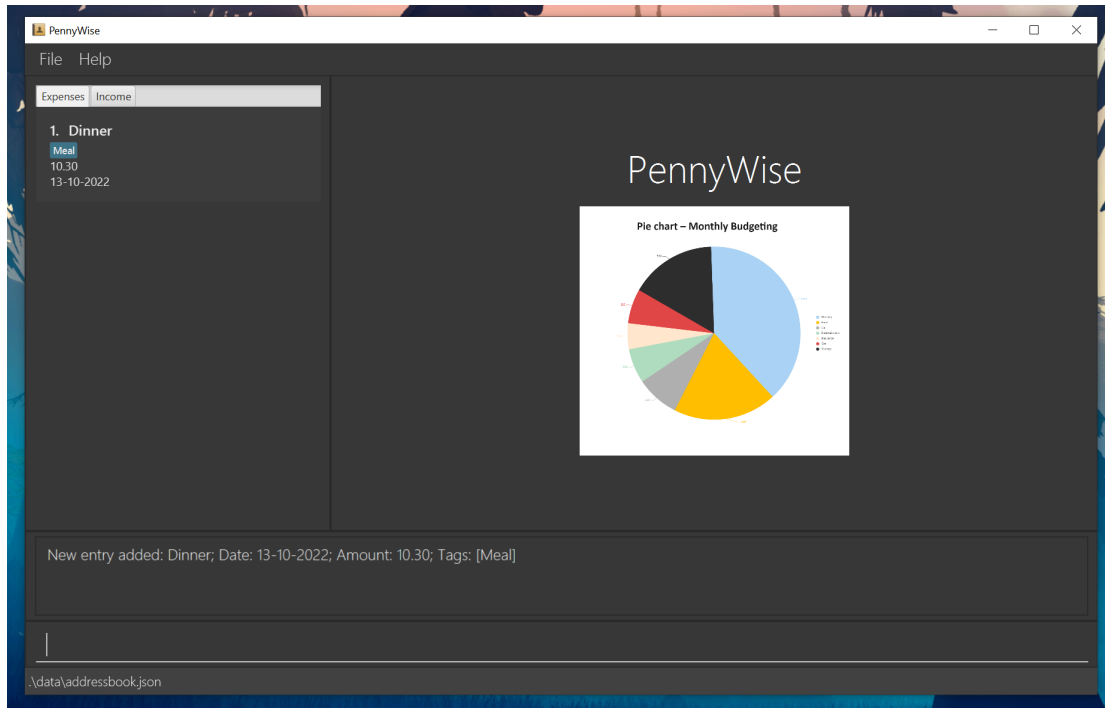add t/i d/TuitionTeaching a/45.00 da/13-10-2022 c/Salary

edit 1 t/i d/Tution

Edited Entry: Tution; Date: 13-10-2022; Amount: 45.00

.\data\addressbook.json

delete 1 t/i

Deleted Entry: Tution; Date: 13-10-2022; Amount: 45.00
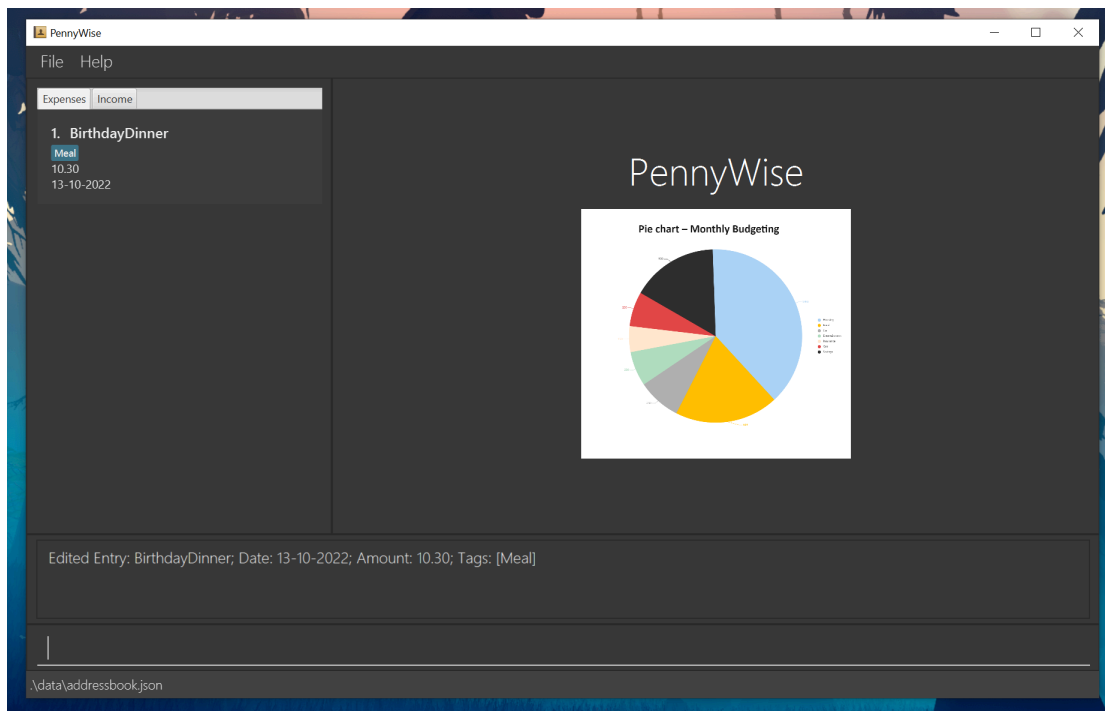
.\data\addressbook.json
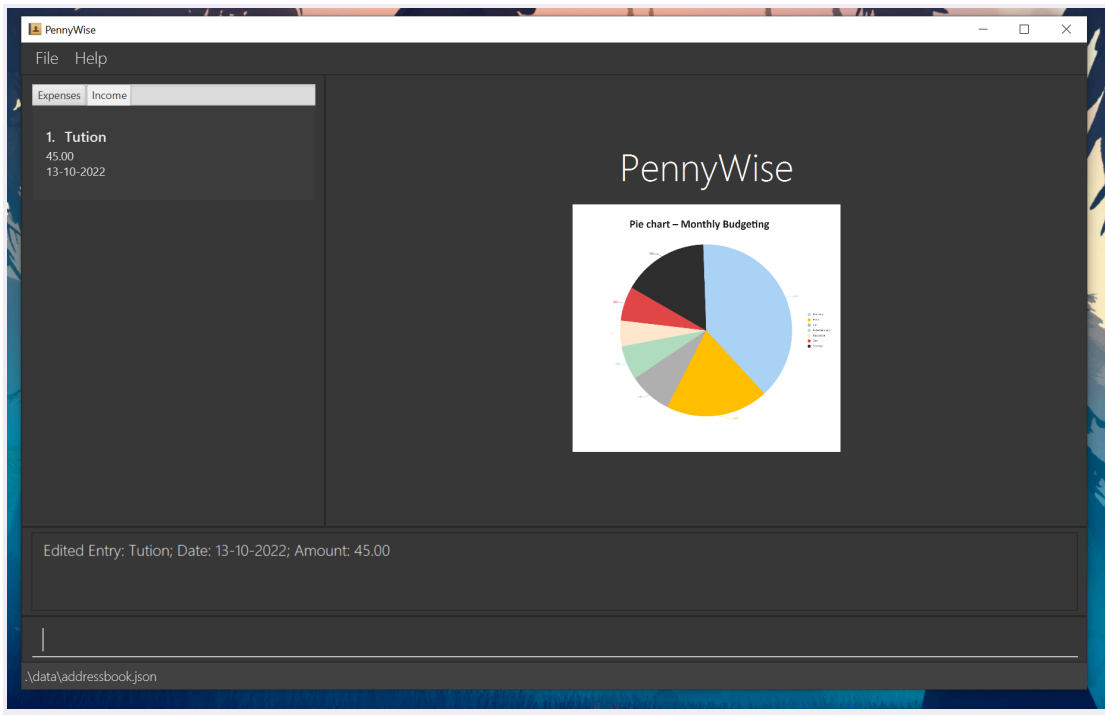
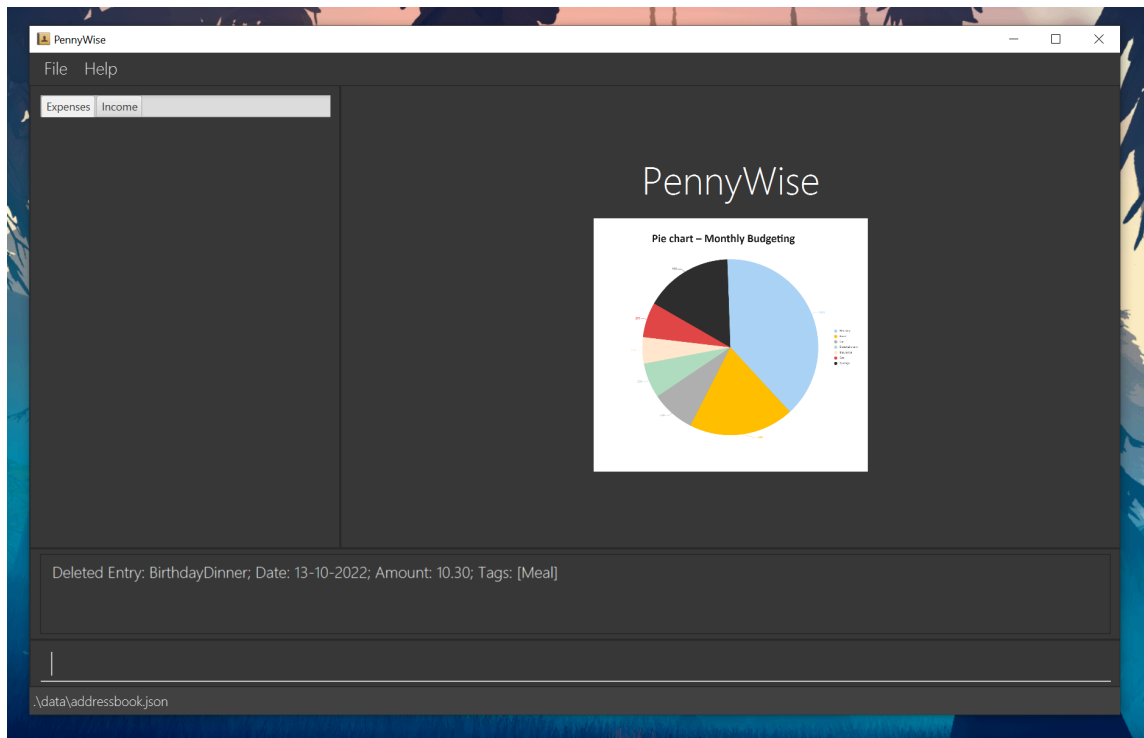3. Adding / Deleting / Editing of Expenditures: add delete edit
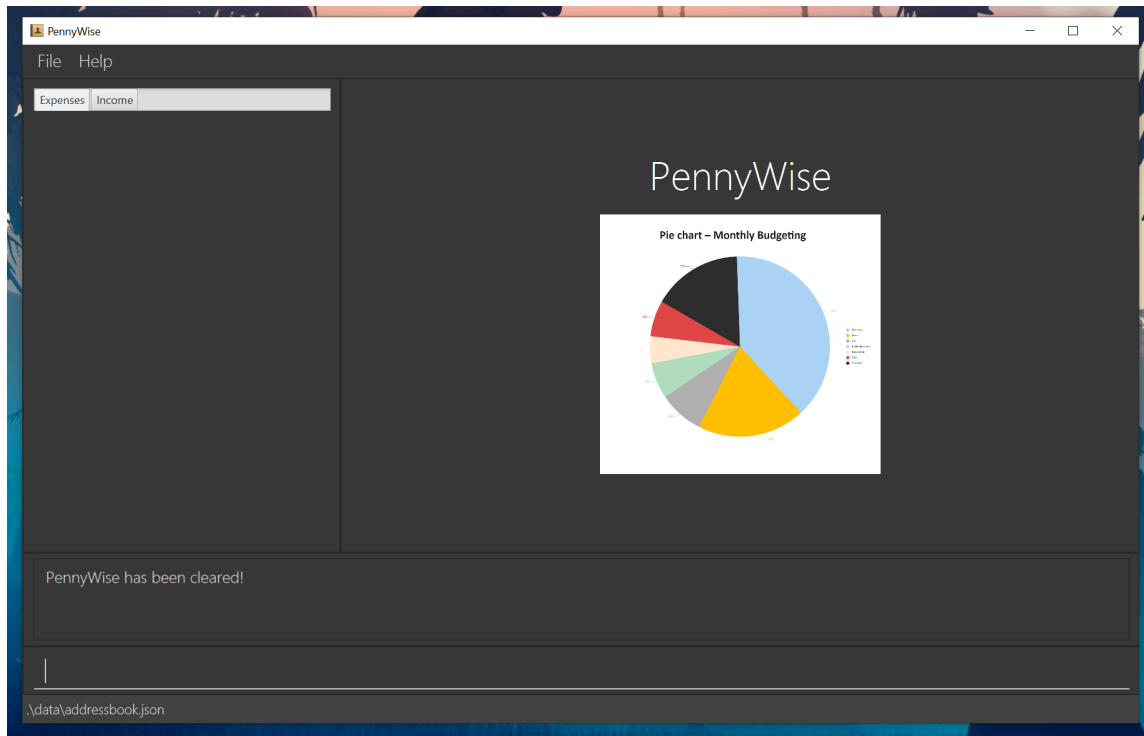
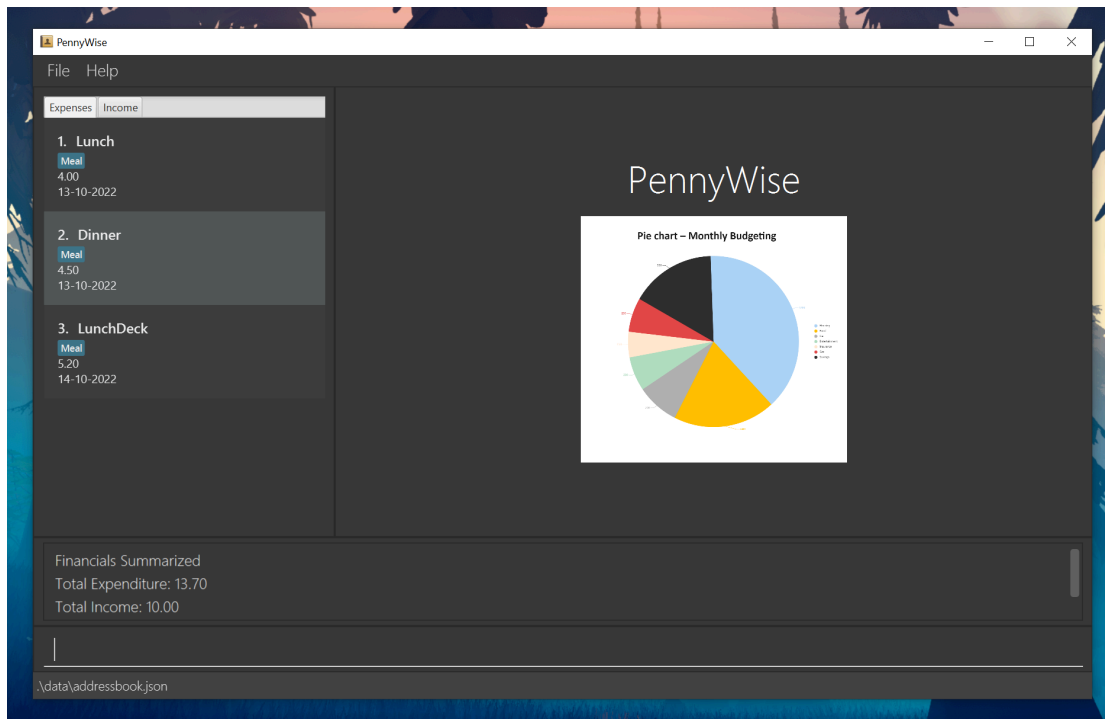add t/e d/Dinner a/10.30 da/13-10-2022 c/Meal
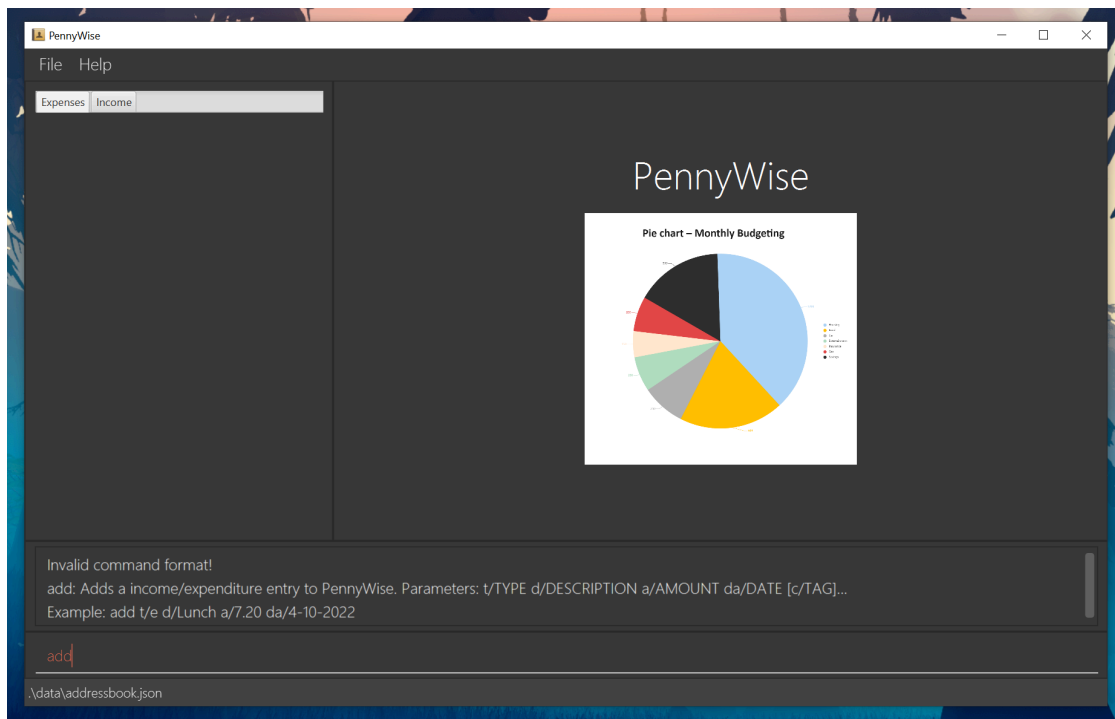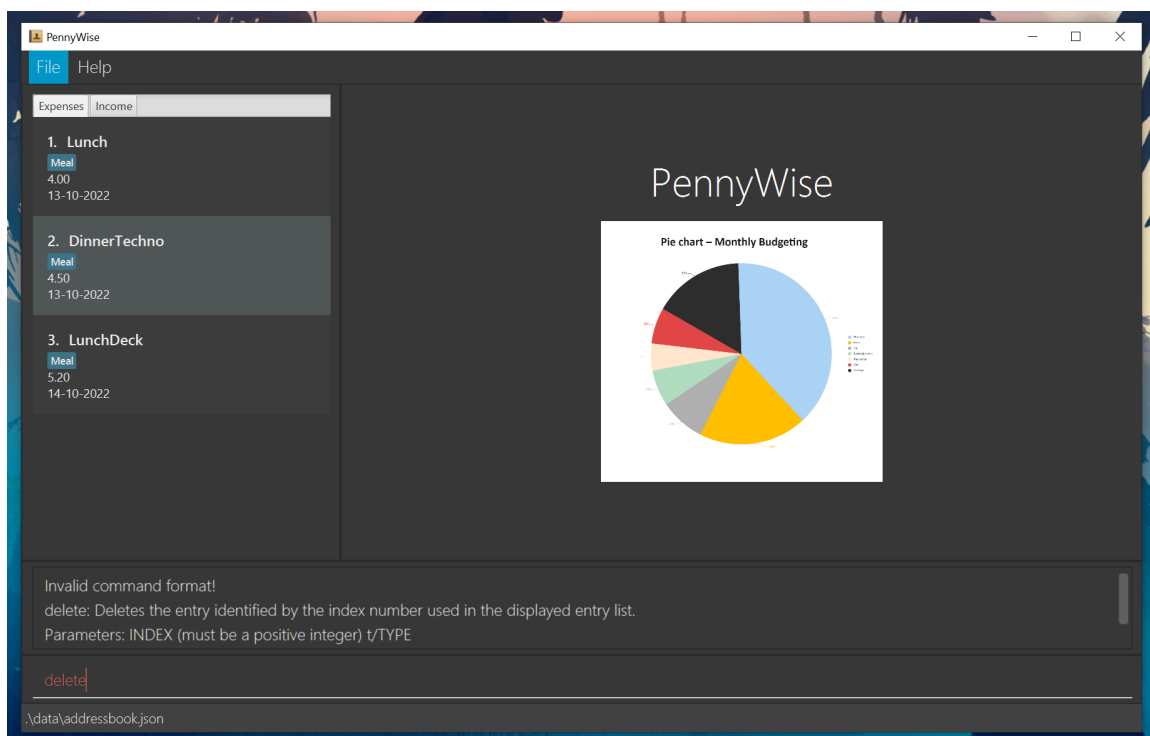

edit 1 t/e d/BirthdayDinner

delete 1 t/e

Deleted Entry: BirthdayDinner; Date: 13-10-2022; Amount: 10.30; Tags: [Meal]

4. Clear command: clear

PennyWise has been cleared!

5. Summary Command: summary

6. Error Messages of commands

Screenshot 1

PennyWise

File   Help

Expenses | Income

1. Lunch
Meal
4.00
13-10-2022

2. DinnerTechno
Meal
4.50
13-10-2022

3. LunchDeck
Meal
5.20
14-10-2022

PennyWise

Pie chart – Monthly Budgeting

Invalid command format!
edit: Edits the details of the entry identified by the index number used in the displayed entry list. Existing values will be overwritten by the input values.
Parameters: INDEX (must be a positive integer) [t/TYPE] [d/DESCRIPTION] [a/AMOUNT] [da/DATE] [c/TAG]...

edit

.\data\addressbook.json

Screenshot 2

PennyWise

File   Help

Expenses | Income

1. Lunch
Meal
4.00
13-10-2022

2. DinnerTechno
Meal
4.50
13-10-2022

3. LunchDeck
Meal
5.20
14-10-2022

PennyWise

Pie chart – Monthly Budgeting

Invalid command format!
delete: Deletes the entry identified by the index number used in the displayed entry list.
Parameters: INDEX (must be a positive integer) t/TYPE

delete

.\data\addressbook.json

PennyWise

File Help

Expenses | Income

1. Lunch
Meal
4.00
13-10-2022

2. DinnerTechno
Meal
4.50
13-10-2022

3. LunchDeck
Meal
5.20
14-10-2022

PennyWise

Pie chart – Monthly Budgeting

Unknown command

asjkldhglashjhdjlasd

.\data\addressbook.json

Week 9 Agenda

Before the Meeting:
1. Prepare on your product demo and product pitches skeleton
    a. Demo: Yuan Xi, Rui Han
    b. Pitch: Jason, Emily, Sharmaine

Agenda:
1. Consolidation of demo/product pitch ideas
2. Go through the main features of the product + problems encountered
3. Reassign workload for upcoming milestones (refactoring, new user stories, test cases, documentation)

Notes:

	V1.3	
1	Java FX for Pie Chart	Sharmaine ▾
2	Java FX for Graph	Yuan Xi ▾
3	View by Month	Yuan Xi ▾
4	View by Category	Sharmaine ▾
5	Testing Improvements	ALL ▾
6	Category Limiting	Rui Han ▾
	Everyone	
1	Update PPP	ALL ▾
2	Documentation - User Guide - Developer Guide	ALL ▾

Week 10:

Milestone 2: Post Mortem
1. We need to communicate better on who is editing which class/object/feature. There was a miscommunication between overlapping features. "Edit command test" was edited by Jason and "Tests" in general was edited by Rui Han. However, we did not communicate well and ended up modifying the same test cases which resulted in extra merge conflicts to resolve.

What we learnt: to delegate the features clearly, and define an SOP: if one person implements the feature, they will be the one who implements the test cases as well.
2. We were able to work relatively efficiently and independently as we had prepared our user stories and roles well.
What we learnt: Having clear roles helped us to be more efficient in implementing features.
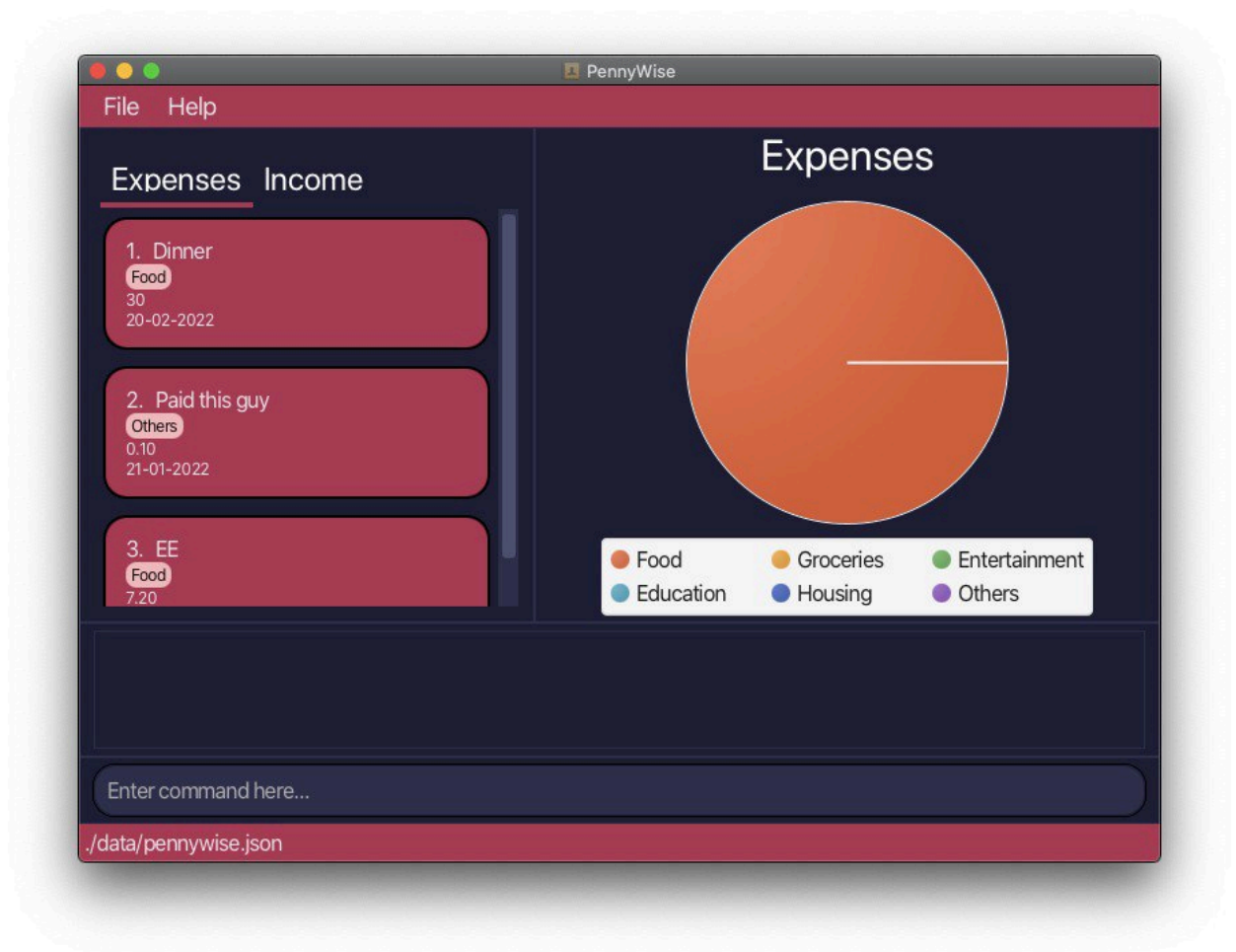
Meeting Notes (20th October 2022)
- List and Graph Panel states to be kept separate
- Last Updated (time) by (command) shown in graph panel
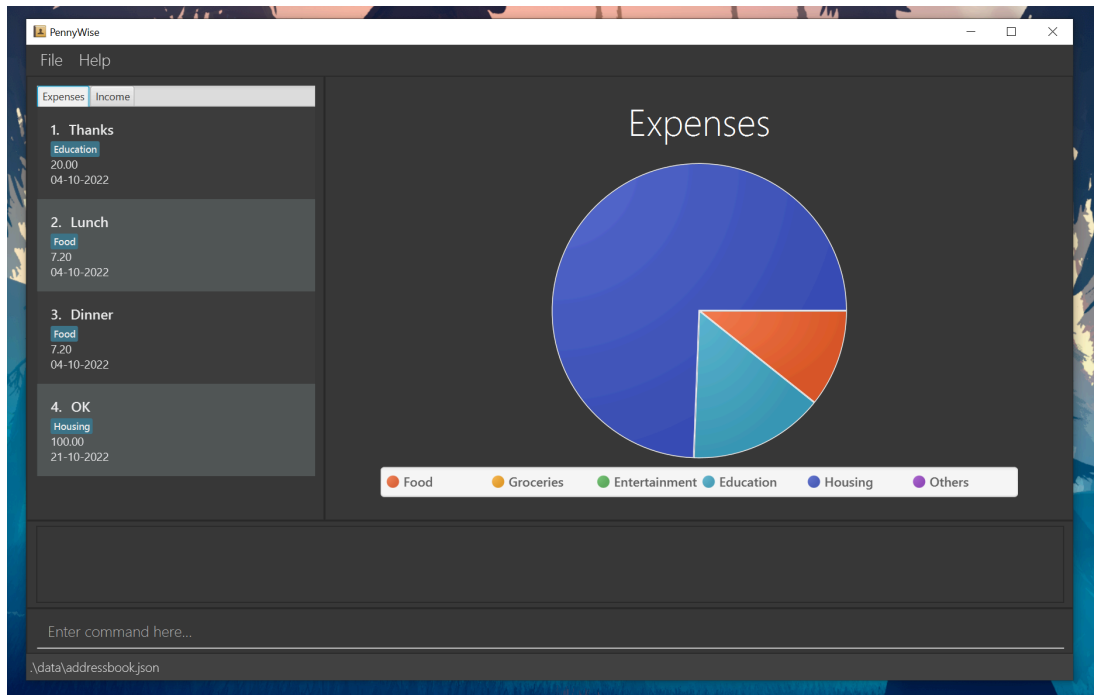
Week 11 Agenda

V1.3 implementation

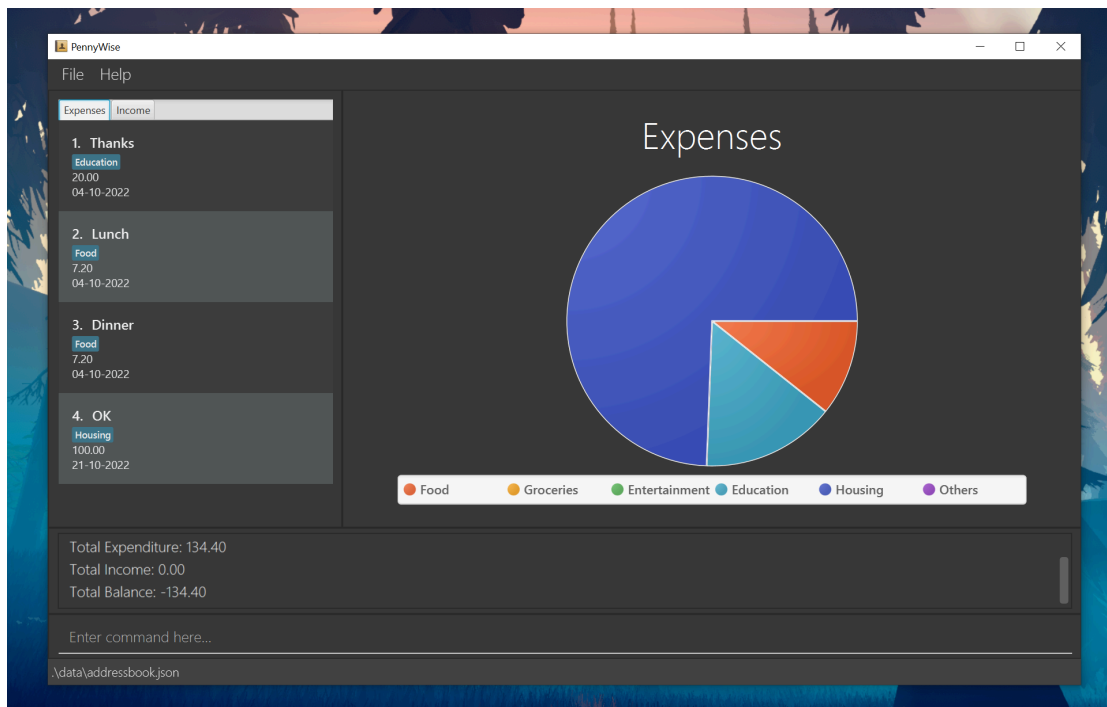Besides the features already implemented in V1.2, we have added the following:

1. Updated the display UI (The first one is in a PR done by Emily)

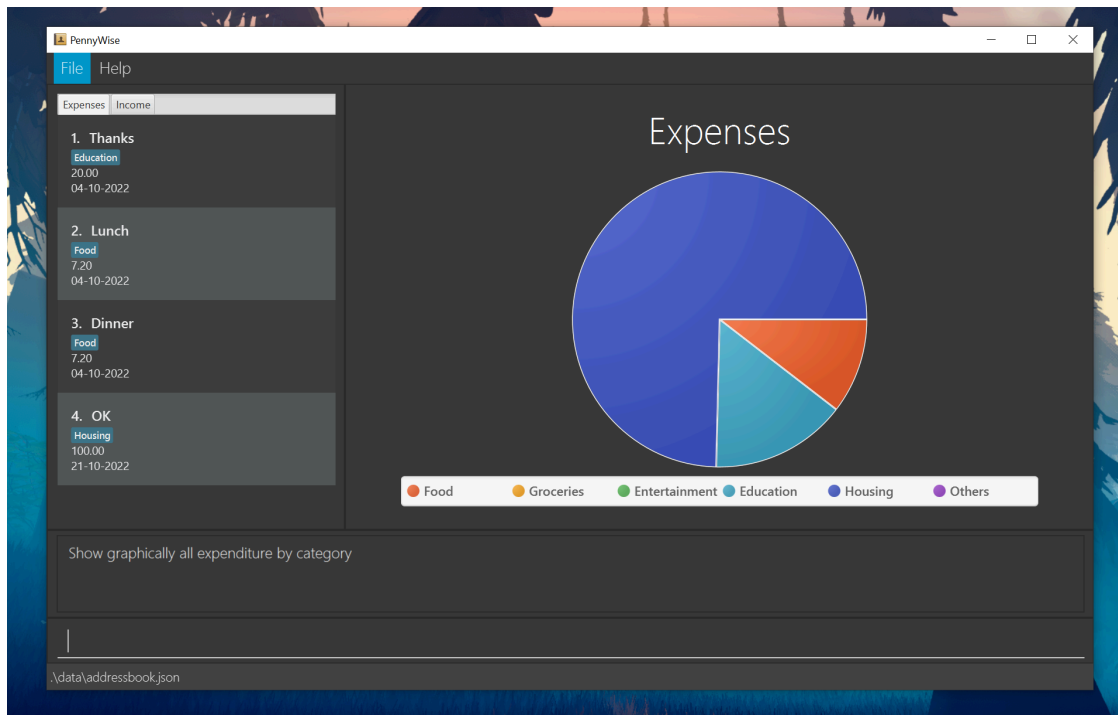Currently looks like this

2. Improved summary command: allow summary of a singular month

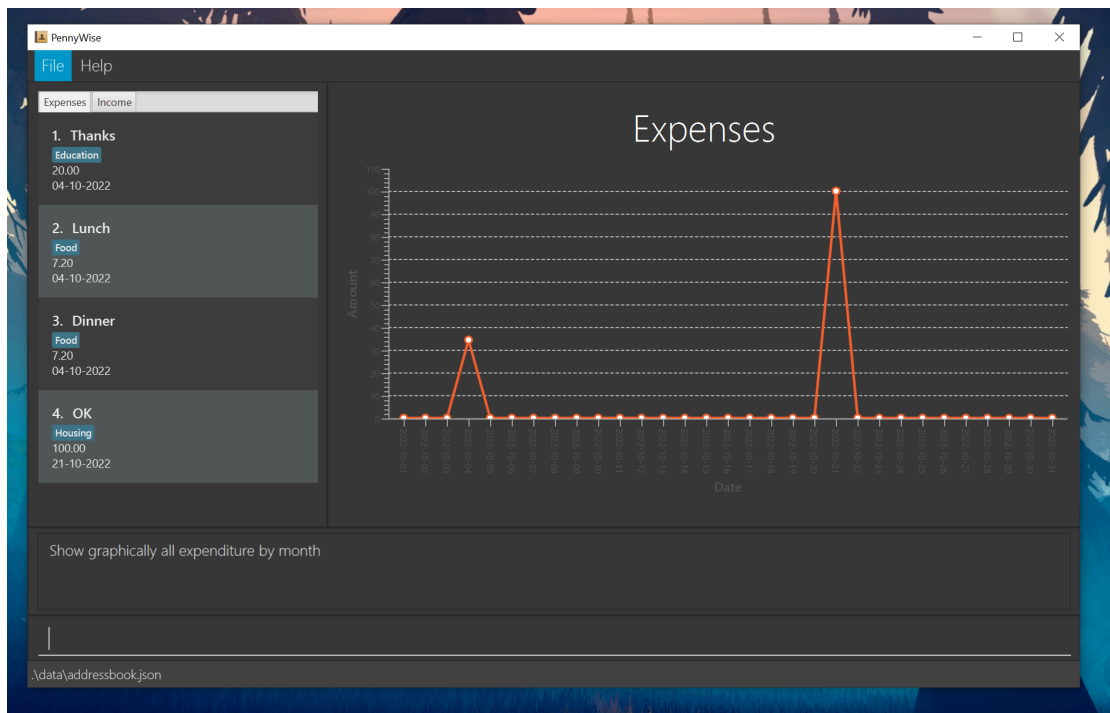summary or summary mo/MM-YYYY

3. View Command

a. View by Categories (pie chart)

view t/e g/c

b. View by Time (line graph)

view t/e g/m mo/2022-10

4. Addition of test cases

Week 12 Agenda

UG Meeting with Ms Aileen

Overall
- Content is a bit messy and jumping around can cause the reader to be easily confused, such as an abrupt "Categorising your…"
- Flow is a bit off
- "Categorising your…" may not be clear for new users

Introduction
- [DONE] "PennyWise is a … that empowers students with the ability to…": not really ability because the app does not teach the users → change to informed financial decision

Quick Start
- [DONE] Add a tip under "Quick Start" to give the user more information on how to use Java if they need it and remove the "Prerequisite" section
- [DONE]"Type the … in the command box": where is the command box? Move the section down (??)
- [DONE] Diagram first or table first to describe the user interface: Maybe better to move the image up; also link the colors in the image to the colors in the table or use numberings
- [DONE[Legend of user guide -> Information box…. Add a new header for the navigating user guide part
- [DONE] Move familiarising with user interface on top and command syntax below nearer to the commands
- [DONE] Before Using: 1. Familiarising with user interface, 2. Categories of expense and income, 3. Command Syntax
- [DONE] Include Purpose of the guide after Introduction (include Legend of icons here as well)
    - Quick Start -> GUI (explain how to toggle between expenses and income) -> why categories are compulsory – this will explain our application
    - What to look out for for formatting -> features

Features
- Should delete come after edit? Because delete is typically quite destructive and grouping add -> delete can cause visuals to jump(?)

Demo Video

add t/e d/Wok Hey Lunch da/06-10-2022 a/9.60 c/Food

add t/i d/Part Time Waiter da/07-11-2022 a/60.00 c/Salary

edit 6 t/e da/07-11-2022

edit 4 t/i a/65.00

delete 1 t/e
delete 2 t/i

view t/e
view t/i
view t/e mo/2022-01
view t/i mo/2022-01

summary
summary mo/2022-11

help
clear
Exit

Demo Video Script:
Penny Wise is an all-in-one budgeting application that can meet the needs of a variety of users. Our clean and simple UI onboards even beginner users in a matter of minutes. PennyWise aims to be the future of how students can plan their budgets. Let us jump in and familiarize ourselves with the application.........

Take a look at our User Interface. On the left, we have our entry lists, where you can select between your expenses and income lists. This is the place to view what entries you have added to the application. On the right, we have our graph section. This is where Penny Wise's suite of analytical tools can be viewed and how you can use the application for your financial planning and budget tracking. Directly below the lists and graphs, there is the command output box. This is where Penny Wise displays error messages, suggestions and outputs of any commands you have run. Lastly, we have the command input box at the bottom of the application. This is how you interact with Penny Wise. Now that you are familiar with the interface, let's begin our budgeting journey..........

It is currently the 6th of October and you are working as a waiter... Lunchtime rolls around, time to grab a bite from your favourite restaurant at Wok Hey! We can log your Lunch expenditure

using the add command and also use the add command to add your income for the day! Use the navigation tabs to take a look at the new entries you have created........

Oops, you realised you made a mistake for both the entries that you have recently added. Let's make use of Penny Wise's edit feature to make these amendments. Penny Wise even tells you in the command output box that your entries have been edited with the details!..........

After taking a look at our lists, we realised that we have made some wrong entries in the past... I did not have any chicken rice on the 20th of January, nor did I invest in SpaceEx. We can use the delete command to completely remove these entries. How convenient!.........

Now comes the fun part! We can take advantage of Penny Wise's analytical tools by using the view command. If you want to see a categorical overview of all expenditures or income, just type view and the entry type. If there is a need to do a more in-depth trend analysis, Penny Wise provides a line graph as well. All you need to do is use the same view command, but include the month you want to analyse. It's that simple!........

Lastly, Penny Wise also provides a financial summary for you. Use the summary command to see if you were a net positive or negative overall. If there is a need to zoom in on the summary statistics of a specific month, use the summary command and specify the month!........

If you ever forget how to use a command, fret not, as the help command will display a pop-up window that guides you through the syntax of every single Penny Wise command.........

We hope your Penny Wise experience has been great. Let's work together to build a future where we can spend our pennies wisely.......