Introduction to Programming II Project Log

Project title:	Food Purchases from 1974 to 2022
Topic:	Callbacks

What progress have you made this topic?

The selected year is highlighted, allowing users to more clearly know which year's data they are looking at.

What problems have you faced and were you able to solve them?

I want to adjust the way each bubble name is displayed. I looked up some information, but haven't solved this problem yet. Most information tells me that I can modify it directly in the variable, but this is not too inconvenient.

What are you planning to do over the next few weeks?

I thought maybe I could turn the years into a kind of slider that the user can drag, which would make the changes in the data between years smoother and more interesting.

Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?

Yes

Introduction to Programming II Project Log

Project title:	Food Purchases from 1974 to 2022
Topic:	Extending the Apps, part 3

What progress have you made this topic?

Changed the arrangement of displayed years to make it more readable.

What problems have you faced and were you able to solve them?

I want to adjust the way each bubble name is displayed. I looked up some information, but haven't solved this problem yet. Most information tells me that I can modify it directly in the variable, but this is not too inconvenient.

What are you planning to do over the next few weeks?

I would like to show up the selected year and set a default year, so the visualization will be easier to use.
I thought maybe I could turn the years into a kind of slider that the user can drag, which would make the changes in the data between years smoother and more interesting.

Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?

Yes

Introduction to Programming II Project Log

Project title:	Food Purchases from 1974 to 2022
Topic:	Testing for stability

What progress have you made this topic?

I used the app from the user's perspective and found that because the background was gray and our text was black, it would be difficult to see the text if the bubbles were also dark. So I adjusted the bubble's color setting function to make it more transparent.

What problems have you faced and were you able to solve them?

I hesitated at first whether to adjust the RGB parameters or transparency. This was a problem. Finally, after repeated attempts, I decided to use transparency to better improve the visualization.

What are you planning to do over the next few weeks?

Do some utility and user tests to make sure the app works, then submit the assignment.

Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?

Yes

Introduction to Programming II Project Log

Project title:	Food Purchases from 1974 to 2022
Topic:	Testing with Users

What progress have you made this topic?

I tried to make an extension that allows users to get sub-items and quantity ratios after clicking on the bubble, but it was not completed in the end.

What problems have you faced and were you able to solve them?

很困扰我的一个问题就是，我不知道怎么确定不同弧形的中心位置，从而让食物名字放置在那里。由于数量比例和种类都是不确定的，我需要运用变量达到效果，但这个问题最终没有解决。

What are you planning to do over the next few weeks?

Maybe I won't be able to complete this expansion before the end of the semester, but I will take a try.

Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?

Not really. But it's basically because of family changes in the past few weeks, so I often don't have much time to study. I hope that no matter how long it takes, I can complete this expansion myself in the next step.