Link to Miro Board: https://miro.com/app/board/uXjVMeJfucQ=/?share_link_id=398253521662

Storyboard (did up the rough idea on Figma):

Problem:

There's a rising number of singles in Singapore according to a study done in 2022. Young Singaporeans (25-34 y/o) are finding it tough to find love. 💙
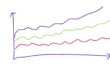
Statement/Question:
- Which age group in Singapore is most responsible in this rise of singlehood?
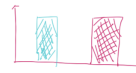- what might be the possible cause in this rise?

Find Data:
- statistics on the proportion of singles in SG.
  ↳ comparing this by age group / gender
- survey results on why singles think they are unable to find love.
- survey results showing how people in romantic relationships managed to find their partners
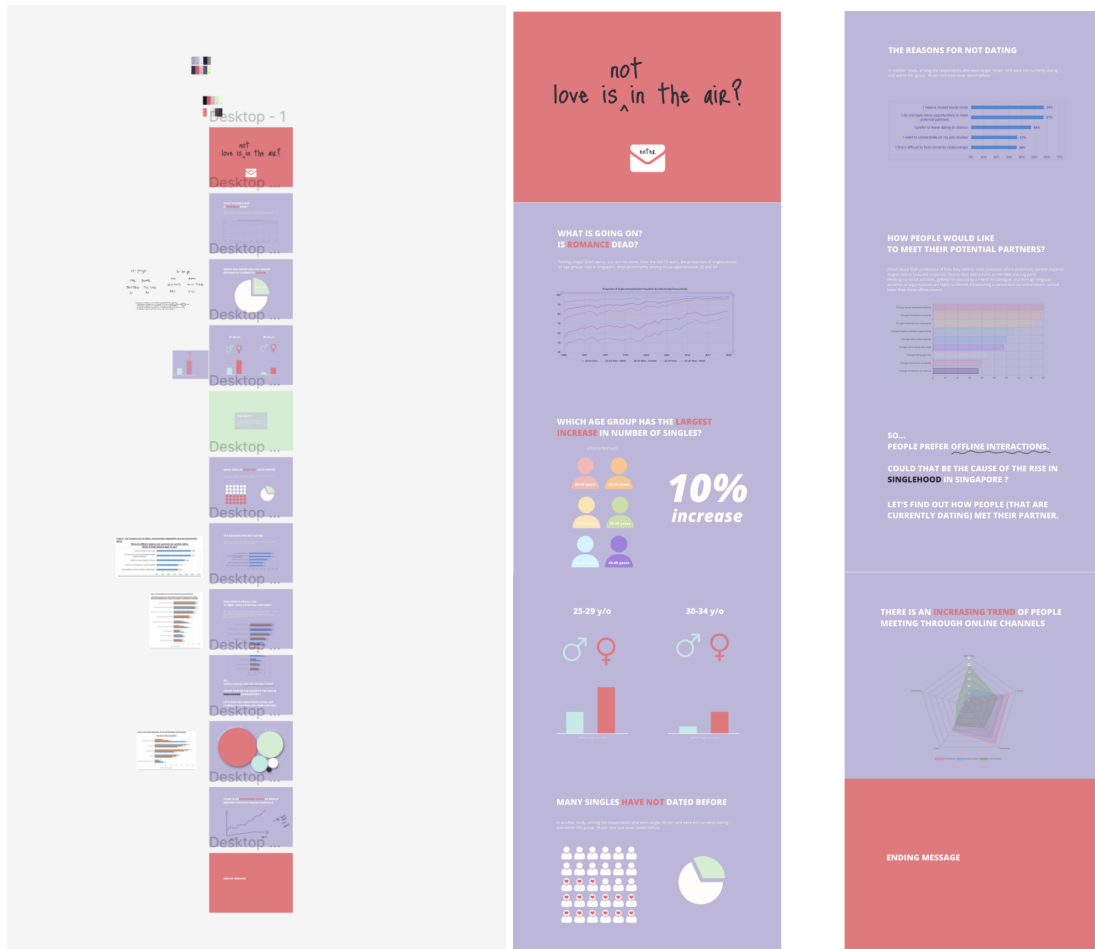
Visualize:
① no. of single ppl
② changes over the years (& male vs female)
③

Questions:

What is your project about?
- It is about rise in singlehood in Singapore

What is the data you plan to use?
- https://tablebuilder.singstat.gov.sg/table/TS/M810581 (shows the rise, categorized by the age and gender)
- https://www.population.gov.sg/media-centre/press-releases/key-findings-marriage-and-parenthood-survey-2021/ (show why singles can't find love, and how people who did find their partner managed to find them)

What is the question you plan to answer?
- Which age group is contributing to this rise?
- What might be the cause?

Background	Over the past 20 years, the proportion of singles across all age groups rose in Singapore, most prominently among those aged between 25 and 34.
Analysis	
Recommendation	
Data	** find links on top The proportion of singles, though, increased across all age groups over the past decade, **especially among those aged 25 to 34.** ● The proportion of singles among men aged 25 to 29 went up from 74.6 per cent to 81.6 per cent ● Among women aged 25 to 29, it jumped from 54 per cent to 69 per cent ● Among men aged 30 to 34, the proportion increased from 37.1 per cent to 41.9 per cent ● Among women aged 30 to 34, it rose from 25.1 per cent to 32.8 per cent **In another study, they have shown that a lot of singles have never dated before** Among the respondents who were single, 50 per cent were not currently dating -- and within this group, 38 per cent had never dated before.
Problem Statement	● Rise in singlehood in Singapore.

	• Why are people finding it difficult to date?
	○ Is it really that difficult to meet potential partners?
Findings	The increase in singlehood is most prominent amongst the people ages 25-34. And to be even more specific, one interesting finding is that, women with higher education are less likely to be dating while men with lower education are less likely to be dating. Through the survey answers, we also find out that singles' reason for staying single is due to the fact that they find it difficult to meet potential partners. They feel like they do not have the opportunity to go out to meet people. Another interesting thing to note is that in recent years, there has been an increase in the usage of online dating platforms and this is where a lot more of the people (that are in romantic relationships) surveyed said they met their partners. Could this disparity be the cause of singlehood?(survey showed a lot of singles wanted to meet their partners offline) Could online dating be making it hard for people to meet?

Concepts Used:

Week	Concept	How I've used it	Line number	Filename
2	Tables	Use it to position my buttons / graphs in a more grid like way	Line 34 -48	index.html
2	href	Linking a svg to another section	Line 23	index.html
2	Option	Able to select different options of data to show different graphs. When different options are selected the different graphs will show up.	Line 66 -71	index.html
2	class=	Styling of the sections	e.g. Line 20, 28, 97, etc.	appstyle.css
2	id=	Styling on text positions, Putting margins	e.g. Line 14, Line 37, 44 etc.	appstyle.css
2	console.log	Used it to debug and check for errors when coding. To check how the code is running, whether or not certain outputs are correct.	Line 104	main.js
2	font-family	Changed the font family to Montserrat	Line 7	appstyle.css

2	Table formatting	border-collapse border-color margin-top margin-left margin-right	Line 156 - 161	
3	Arrays	Arranging data for the different charts	Line 2 Line 58,60	main.js

4	functions	function updateChart(){
		}
		
		Made a new function to update my chart when the options change
			Line 103-108
			(main.js)
			
			Line 66
			(index.html)
				main.js
				
				index.html

4	Switch Statement (learn from grasshopper)	Since there are quite a few options, i opted for a switch statement rather than an if else statement. This allowed me to change the data accordingly to the options selected.	Line 121	main.js
4/5	Objects	Access specific data of an object and to modify the value. Allow me to change the data set for the bard chart so that different values appear when different options are selected. E.g. config.data.datasets[0].data = [1, 2];	Line 123, 127,129	main.js
5	Buttons (week 2) Onclick (week5)	Inserted svg into buttons. When the buttons are clicked, different data will be shown on the right side of the screen.	Line 36-37 Line 41-42 Line 45-46	index.html
7	ChartJs	Made bar charts, line chars, pie charts and radar charts to illustrate the data in a more understandable form	Majority of the lines	main.js
8	Visualising Data	Use exel sheet to break down and analyse some of the data before using it for my websites	-NA-	-NA-