\*This document may only be written by project managers of the team

\*In the design the program steps, please write documents into **RQT\_Real\_Estate/Design\_Plans\_Ideas/Design\_Plans** folder with the format **your\_name\_design\_plans\_date.docx**

**Ex: Phuong\_design\_plans\_04\_01\_2025.docx**

You may use any design tools for designing purposes **(Flowchart, Pseudocode, Unified Modeling Language, SceneBuilder, Adobe InDesign-Photoshop-Illustrator, Canva, MS Designer, Figma, Wix, and so on),** but please put the output of your designs into **MS Word or PowerPoint** and explain what’s going on with your designs and what technologies you want to use too, **please don’t put any code into this folder’s documents.**

Please specify your name and other members’ names who help you planning and thinking about the designs.

Writing your documents like you are trying to do a presentation, except that we just need to read to understand your design ideas, we’re not going to spend time to do oral presentation about design plans to save more time for this project, so be careful with your writing.

Please write those documents as short as you can (less than 10 pages). We don’t have time to look at 1000 pages for ideas about just a small navigation bar with 1 button if you know what I mean.

**Example template that you can use, recommended, but not required strictly (you don’t need to use all of them in each document):**

**\*Using your writing skills to describe the tool that you will use**

**Below are some examples of how you can write to describe the steps that you want to do for your project, the images you will use, the files or folders that you will use, the programming techniques you will consider:**

|  |  |
| --- | --- |
| **1.Contributors** | Trieu Huu Phuong  Sean  Elias |
| **2.Technologies, Tools, Pages, Features, Data, or anything in general that I(we) will contribute** | Main page’s agent container content |
| **2.a) Python Libraries** | First, I would need to work with libraries like **tkinter, csv, PIL (Pillow), ttk (from tkinter). Tkinter** would help me create graphical user interface for the program |
| **2.b) The Python’s techniques that I would use to build this program** | a) **Object-oriented programming** with **class** syntaxes, **class** properties and methods, **class** encapsulation and inheritance  b) **Functions**, **functions** with parameters and return, **f-string** function, and built-in functions like **max()**, and **min()**  c) **Error handling** with **try** and **except** syntaxes,  d) **Conditional statements** like **if, elif,** and **else**. |
| **Files that I would need to create:** | Main\_GUI.java, TopNavigation.py, Style.css |
| **Images that I need:** | market\_poster1\_img.jpg, car\_img1.jpg |

**\*Using Flowchart to describe the techniques you will use**

**A diagram of techniques

AI-generated content may be incorrect.**

**\*Using image or Flowchart to describe the files, folders you will use:**

**Folder structure:**

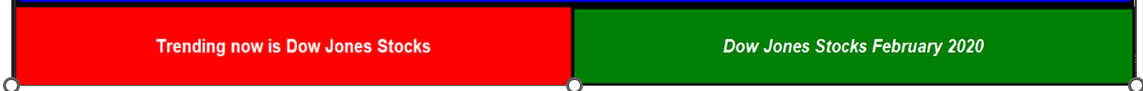
A screenshot of a computer program

Description automatically generated

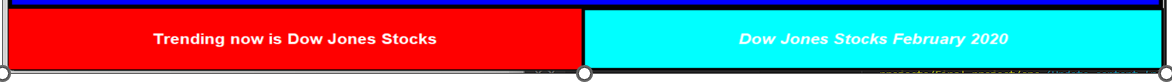
**A diagram of a computer

AI-generated content may be incorrect.**

**\*Using image to describe the output of your program:**



After I hovered over the “Dow Jones Stocks February 2020”, the background color of it was changed into aqua color like this:



**\*Describe the steps or plans or any details related to your design**

Ex1: In case the user clicks on the button above, a table would appear to display 9 columns and 5 rows of contents relating to the stocks’ symbols along with their highest value, lowest value, and dates. I thought about displaying a table inside of a dialog box because I wanted to challenge myself a little bit.

Ex2: I would use **Label Widgets** like **tkinter.Label()** to create one greeting message block “Welcome to our RQT Program” and an inform block “Trending now is an apartment at…”. I’ll style them with specific font color, background color, font family, and font size.