**\*Contributors to the plans for this document:**

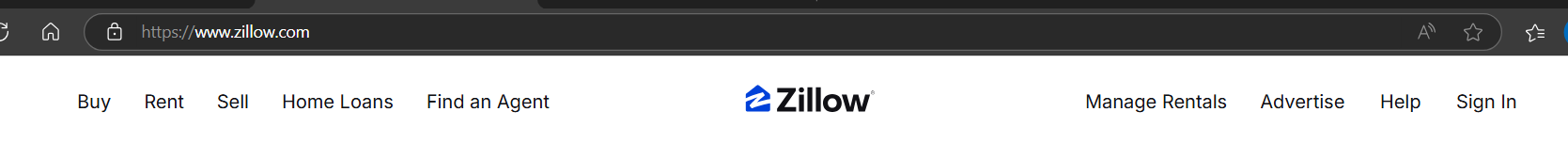
- Trieu Huu Phuong

**\*Technologies, Tools, Pages, Features, Data, or anything that I will contribute:**

**+Main page Top Navigation Bar**

**1.Main page Top Navigation Bar**

I may make the top navigation bar that looks like this image that comes from website Zillow.com

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In our project, on the left side of this navigation bar, I just need 2 buttons (Menu, and AI Assistant).

Menu button will open or close a dropdown menu with 6 items (Buy, Rent, Sell, Home Loans, Find an Agent, and About Us)

On the right side of the top navigation bar, I just need 2 buttons (Help, and Sign In)

I can refer to any of the photos below to have ideas of what kind of buttons or content that I need to create after an user click any button from the top navigation bar

www.homes.com

A screenshot of a home page

AI-generated content may be incorrect.

A screenshot of a web page

AI-generated content may be incorrect.

A screenshot of a phone

AI-generated content may be incorrect.

A screenshot of a phone

AI-generated content may be incorrect.

[www.zillow.com](http://www.zillow.com)

A screenshot of a web page

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a home loan application

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a web page

AI-generated content may be incorrect.

www.realtor.com

A screenshot of a computer

AI-generated content may be incorrect.

Here’s the design of the top navigation bar that I completed on 04/04/2025 12:14:PM



I added some icons into Menu button, Sign-In, and Help buttons like this on 04/04/2025 8:50pm:



I took icons from this website: <https://www.flaticon.com/>

**\*Here’s the design Hierarchy of the top navigation bar above**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Left region of BorderPane:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Center region of the BorderPane:**

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**Right region of the BorderPane:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the StackPane:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the AnchorPane:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the BorderPane:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the BorderPane’s left region’s HBox:**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the BorderPane’s left region’s HBox’s Menu Button:**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

Notice that in order to make it contains 2 icons and 1 word, I had to put into the button a **HBox** that contains **ImageView, Label**, and **ImageView.**

**The icon images are in Images folder.**

**`About ImageView:**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**`About Label**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**`About the arrow down ImageView**

**A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.**

**+About the BorderPane’s Center region, The company logo at the BorderPane’s Center region is placed in CompanyLogo outside of TopNavigationBar folder**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the BorderPane’s right region’s HBox:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**+Some noticeable style for the BorderPane’s right region’s HBox’s Sign-In and Help buttons:**

The styles for these buttons are like the Menu button above.

The icon images are placed in Images folder

\*I added hover effects on 04/04/2025 9pm into the 3 buttons for the top navigation bar to add or remove borders into them when the users hover the mouse over it\*

A screenshot of a menu

AI-generated content may be incorrect. A green and black sign

AI-generated content may be incorrect. A computer screen shot of a person with a headset

AI-generated content may be incorrect.

I used the **TopNavigationBar1.css** file to create the hover effects above using -fx-border-color, -fx-border-width, -fx-border-style