# Portfolio Performance Application Documentation

A picture containing diagram

Description automatically generatedThe following diagram is the user flow chart of the application. When a user launched the app, user will be able to see the default screen with a search box and an “add” button. User will be able to search for a specific stock by entering the stock name (ticker) and click on the “add” button. If user did not enter any ticker and clicked on the “add” button, there will be an output message that prompts that user did not enter any ticker, which is shown in figure 2. On the other hand, if the user has entered an invalid ticker, then an error message will be prompted (figure 3).

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Figure 1. Default screen Figure 2. Ticker validation message 1 Figure 3: Ticker validation message 2

A screenshot of a computer screen

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To better improve on the user interface and user experience, if the stock that the user is searching for has already been store in the local database of the device, then the app will automatically start to calculate the annual return and the annual volatility. The user does not need to click on another extra “calculate” button to view the annual return and annual volatility.

A screenshot of a computer screen

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If the ticker that the user is looking for is not inside the local database, then the app will start to download the data from the api to the database before it starts to calculate the annual return and annual volatility.