

Bitcoin Ticker App

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The *Bitcoin Ticker App* will eventually be a one-stop shop for any individual who is interested in any information about Bitcoin. Bitcoin is a type of cryptocurrency, which became exceptionally popular amongst the average individual early in 2018. Cryptocurrency is extremely volatile, and without having data to make informed decisions one can potentially lose his/her life's savings when trying to buy any form of cryptocurrency. This application will allow someone first stepping into the world of crypto all the way to an expert trader to be able to track general information and also personal Bitcoin investments.

A key feature of the application implemented in this scenario is that Bitcoin values from multiple exchanges are pulled to provide a more holistic view of Bitcoin and its price variations. Another feature of this application that is implemented in this scenario is the access to Bitcoin specific news in a convenient spot, without the user needing to go look for the information.

Scenario “Up-To-Date Crucial Information”

The user starts the application by double clicking on the executable file.

When the user first launches the program, a welcome screen is shown while the program is loading all the necessary components. The welcome screen is directly followed by a quick overview of the features of the application. The user has the option to check a “Never show this again box” before pressing the CLOSE button on the dialog box. This dialog box along with additional help dialog boxes can be found under the HELP menu option once the main application window is loaded successfully.

The application then attempts to display the main app window. If there are any warnings appropriate dialog boxes are shown, and if the error is severe enough the application is terminated. On a successful load, the user is able to instantly see up-to-date important information about Bitcoin. Along with the current price of bitcoin in US dollars, a graph showing the trends of Bitcoin would also be displayed. On the left side of the graph the user can toggle between the different supported exchanges. Below the graph, the application would also display the daily high and low prices. The graph and the price estimates can be toggled to shift the data to display information within the last 24 hours, the last week, the last month, and even the last year. A larger, enhanced version of the graph can be accessed in its own window by clicking the VIEW LARGER GRAPH button. On the right side of the graph, a news column regarding

Bitcoin is displayed. This column displays relevant Bitcoin related news stories to keep the trader up to date. News is organized in reverse chronological order. Scrolling along the column provides access to older news that may have been skipped over. Clicking on any of the cards opens the article in a browser.

When the user exits the application via the FILE → EXIT menu option or by pressing the X in the top right corner, the application saves all the relevant information.

Figure 1 - Initial Sketch of Main Application Window

