Crypto Ticker App Multi Crypto Scenario

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Group 12 - Ahmed Khan, Edgar Martinez, Rameez Baig, Zakee Jabbar

The **Crypto Ticker App** previously **Bitcoin Ticker App**[1] will eventually be a one-stop shop for any individual who is interested in any information about cryptocurrency. One of the famous cryptocurrencies is Bitcoin, 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 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 track general information and personal cryptocurrency investments.

A key feature of the application implemented in this scenario is that data from multiple cryptocurrencies is able to be viewed to expand the horizon into the cryptocurrency market. Another feature of this application that is implemented in this scenario is the option to view cryptocurrency data in the currency of the user's choice. News articles displayed to the user would also be cryptocurrency specific to get more relevant information quickly. Lastly, the user interface would be more visually appealing and follow a color scheme.

Scenario "Multi Crypto, Multi Currency"

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

When the user first launches the program, 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, which is the default cryptocurrency. Along with the current price of bitcoin in US dollars, the default currency, a 24 hour graph showing the trends of Bitcoin would also be displayed.

On the top left side of the application the user can select the cryptocurrency they would like to view from a list. Cryptocurrencies like Ethereum, Litecoin, Tron, and others will be added, so that the user does not have to use multiple applications to track their desired cryptocurrency. If

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[1] Boyle, Jie, Thomas, and Jake Vercimak. "Bitcoin Ticker App Project Report.", 2014.

the user prefers to search for a cryptocurrency instead, a search bar will be located on top of the list. As the user types in the search bar, the list will be filtered to show only relevant results. Below the list, the application would display the news articles that are specific to the cryptocurrency currently selected. By default the application shows five articles. These articles will be changed whenever the user hits the refresh button. On top of the graph, the current price in the selected currency is displayed. The user has the option to change this currency by selecting from a drop down list of currencies this application supports. Once the user selects another currency the prices and the graph are adjusted to reflect the same.

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. The current cryptocurrency the user was last tracking along with the currency the user had currently selected would be saved. Additionally, timeframe that the user had selected, whether that be day, month, or all time would be saved before the application is closed.

Figure 1 - Sketch of Main Application Window with New Features from Release 2