**CS308 FolioTracker Overview**

FolioTracker is an application used to display, track and update the values of different stocks for different portfolios. The application lets the user create and delete portfolios, along with letting them add and remove the stocks within those folios. The stocks can also be edited through increasing and decreasing the number of shares held in them, while their current stock value is discovered through communicating with a stock quote server online. FolioTracker lets the user select a folio which then allows them to view a table of each of their stocks, featuring;

* The ticker symbol of each stock
* The name of each stock
* The number of shares owned in each stock
* The price per share of each stock
* The value of holding of each stock
* The total stock holding value for the whole portfolio

Additionally, FolioTracker also allows the user to save folios to the file system and open them again. The stock prices are updated periodically by the application, which also keeps tracks of highs and lows, estimates the gains and losses for chosen stocks and indicates if the price of a particular stock is increasing or decreasing. If a stock is coloured red this indicates it is decreasing while being coloured green indicates it’s increasing.

The display of the FolioTracker consists of a single window featuring a core grid structure, buttons and a drop-down menu. The drop-down menu is for the main control of the folios, featuring the options to create, open, save, delete and exit. All these options are self-explanatory, facilitating the control of separate folios and allowing the user to exit the application. When create or open are clicked an additional window is opened to receive the appropriate user input while save and delete perform the functionality on whatever folio is currently selected in the tabs at the top of the window.

The grid like structure displays all the stocks for whichever folio has been selected through clicking it’s corresponding named tab. The total holding value for the selected folio is shown at the bottom of the window, below all the owned stocks and their details. To the right of the list of stocks are three buttons. Each button relates to the control of the stocks and opens an additional window to either receive details on the creation of a new stock, the editing of a selected stock or to indicate the deletion of a selected stock. A stock is selected for editing or deletion by checking the box(es) in the last column of its entry and clicking one of the buttons.