

Grace Kelly

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Project 2 Proposal

Stock Market Application

When I first came to visit Marist College, I went on a campus tour and learned about the Bloomberg room that is in Hancock for the first time. I took an economics class my senior year of high school where I learned all about the stock market. Ever since then, I have been interested in stock exchange and the stock market in general. Therefore, I have come up with the idea to combine my knowledge of the stock market and programming with Java.

For project I am going to program an application based program. The main goal of the application will be to be able to help people calculate the total value of their personal investment portfolios. Ever since I started to invest in stocks, I have always laid out my investments on just an excel sheet and then hand calculated my total value. My application program will fix this problem. The first step in the application working correctly will be for a person to make a file that consist of the tickers of the stocks they own and the number of stocks for each ticker that specific person has. The application will read in that file. Through the use of API's, the application will go out to Google and get the stock price for every ticker read from the file. Then the program will calculate the value within each stock by itself. Once the program has each ticker's total financial value the program will then calculate the person's entire investment value. All of this will be achieved through Java code. There will consist methods for reading in a file, calculating individual stock prices and total investment prices. In the end, the program will produce the individual stock totals and an all-inclusive investment total. Future enhancements that could be done to the program but are not a hundred percent going to be implemented are the use of GUI's and the implementation of a database.