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CSCI 1112

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Proposal

            The goal at hand is to use all the techniques and skills I have learned in computer science 1111 or object-oriented programming and computer science 1112 or object-oriented programming part 2. The theme of this course was that Java enables the ability to have different class files or sections of code to connect together and work together to achieve a broader goal of algorithm that the Software has to perform. In the 2nd portion of the object-oriented programming, we learned how to make a wizard, animation, and effects using JavaFx.   With this in mind I plan to use object-oriented program to develop and code an ATM machine that takes a current currency and a known amount and converts it to the respected amount in another currency.  Then, with the skills I learn in the 2nd portion of the class I plan to create a wizard that asks for an input currency and asks to what it wants to be converted to, then converts it.

            The planet earth is unique because though we all have one home and live in one place that being planet earth where grow up has a profound difference on how you view the world. There are 7.4 billion people on planet earth because of this there is quite a lot of variation among these 7.4 billion people. One distinct difference is the concept of money. Though at the simplest sense it is the exchange of something of value for goods and services that everyone collectively agrees upon. However different regions of the world have different definition of money. For example, in the United States the used currency is the United States Dollar while in Japan it is the Japanese Yen. These two currencies are well understood with in the country however if someone were to Travel to Japan via an airline or vice versa there will be quite some confusion on how An American tourists will use their money in Japan and the other way around. A currency exchange will allow for the substitution of a set amount of one currency to the respect same amount in another currency. This has numinous applications such as commerce of goods and services internationally how can one company which has a headquarters in Japan have the ability to sale its goods else whare in the world. Another application is the travel agency how can an individual fly from the United States to France or the United Kingdom without the ability to exchange funds to the respected currency how would the individual or individuals be able to create a life in another country without the proper funds to do so. Finally, Governments need to collaborate together for the greater good of both parties involved without any ability to enhance currencies any discussion of finances will be stagnate until proper exchange does occur.  A currency exchange is necessary for all of these situations and many more.

            One of the greatest issues that will make this software not work properly is the defining of all the correct object files together this software needs an object for each of the currency that will be used in this software. If these objects are not handled with the proper care there will be many mis calculations which will result in user receiving the incorrect currency or even worse an incorrect amount of currency for the amount they have started with. Additionally, the proper syntax to ensure the JAVAFX source code will run properly, and have JAVAFX installed properly on the user computer.

            As you can see because we are living in a world with vast variation and believe systems with the fact that as day by day the world is getting more and more interconnected the ability to have a unified method of exchanging currencies is becoming more and more important. Because without this ability all international converse will become stagnated. This is a currency exchange is a necessity in today’s world. From the microscale of simply going to a supermarket to simply purchase necessities for the house to the macroscale to analysis of global market trends.