**Project Document – Currency calculator for Paraguay, Bolivia, and Argentina**

## Requirements Documentation

Date: April 3, 2023

Application Title: South American Currency Calculator

Purpose: This application will take a U.S. currency amount and convert it into the currency for a subset of the South American countries which are Paraguay, Bolivia, or Argentina.

Program Procedures: The user will select from a drop down which country they want to convert the U.S. currency to. The application will compute the U.S. dollar amount to the correct currency of choice and display that new amount.

Algorithms, Processing, and Conditions:

1. A user must be able to see a splash screen that includes the version of the program and title.
2. A user must be able to select an option from the drop down to include:
   1. Paraguay
   2. Bolivia
   3. Argentina
3. A user must be able to enter a U.S. dollar and cent(s) amount into the text box and click on calculate.
4. A user must be able to visibly see the amount of dollars they entered and the new conversion amount along with the type of currency.
5. A user must be able to clear out the form.
6. A user must be able to close/exit the program with a button option.

Notes and Restrictions:

1. User must enter a valid dollar amount which is numeric and a decimal and should get a message that pops up if they enter a non-numeric.
2. User should not enter a negative dollar amount but if they do so, they should receive a message explaining that it has to be a positive amount.
3. The currency amount should display as currency with the correct currency conversion markers present. The original U.S. dollar amount should also be displayed.