**Group 2: Test Plan Document**

**Current Document Revision: 5**

**Currency Exchange Program – Exchange!**

**Reginald Carey, Jason Dudash, Robert Kibler, Brandon Trexler**

**University of Maryland: University College**

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**Revision History Table**

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| --- | --- | --- | --- |
| **Revision Number** | **Date** | **Description** | **Name** |
| **1** | **Apr 17, 2016** | **Initial Document** | **Jason Dudash** |
| **2** | **Apr 17, 2016** | **Updated case 11,12 Added case 13,14,15** | **Robert Kibler** |
| **3** | **Apr 17, 2016** | **Grammar Revisions**  **Added case 16** | **Brandon Trexler** |
| **4** | **May 1, 2016** | **First test pass** | **Jason Dudash** |
| **5** | **May 4, 2016** | **Added requirement 14 to test case 7 and corrected expected outcome of case 14** | **Jason Dudash** |
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# Test Plan for the currency exchange program, Exchange!

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| --- | --- | --- | --- | --- | --- |
| Test Case Number | Requirement Number | Test Description | Expected Result | Actual Result | Pass/Fail |
| 1 | 1,15 | Verify that prior to displaying the GUI for the first time that the rates are obtained and cached for later use. | Conversion rates for all country codes should be obtained and stored on desktop system. |  |  |
| 2 | 1,4,11 | From Exchange GUI click on From currency code drop down and verify that From list of currency codes have been obtained and displayed. | Drop down list should display a list of currency codes should display |  |  |
| 3 | 1,5,11 | From Exchange GUI click on To currency code drop down and verify that To list of currency codes have been obtained and displayed. | Drop down list should display a list of currency codes should display |  |  |
| 4 | 1,2,3,4,5,6,7 | From Exchange GUI select a From and a To currency code and enter the amount 10.00 to be converted. | Converted amount should be displayed |  |  |
| 5 | 1,2,3,4,5,6,7 | From Exchange GUI select a From and a To currency code and enter the amount 10.50 to be converted. | Converted amount should be displayed. |  |  |
| 6 | 1,7,9 | From Exchange GUI select a From and a To currency code and enter the amount 2.0 to be converted. | The source and age of data used is displayed. |  |  |
| 7 | 1,7,8,10,14 | From Exchange GUI select a From and a To currency code and enter the amount 5.0 to be converted. | The conversion rate should be displayed. Determine accuracy of the converted amount displayed. |  |  |
| 8 | 1,2,3,4,5,13 | From Exchange GUI select a From and a To currency code and enter the amount 100 to be converted. | A converted amount should be displayed for each number entered. |  |  |
| 9 | 1,2,3,4,5,15 | Turn off internet access to PC. From Exchange GUI select a From and a To currency code and enter the amount 11 to be converted. | A converted amount should display using the data stored on the PC. |  |  |
| 10 | 1,2,3,4,5,6 | Turn off internet access to PC. Delete Conversion rate database. Access the Exchange GUI. | An error message should display noting that no conversion rates are currently available. |  |  |
| 11 | 1,2,3,4,5,6 | Choose only a From currency code | User should not be allowed to access the amount field. |  |  |
| 12 | 1,2,3,4,5,6, 13 | From Exchange GUI select a From and a To currency code and enter an amount one digit at a time. | As digits are added the currency amount will change. |  |  |
| 13 | 1,3,7 | Attempt to enter a non-number character into the input box | Pressing a non-number key will not enter anything into the input field |  |  |
| 14 | 1,3,7 | Attempt to enter a decimal value with a TO currency selected that does not have decimal values | The input field will allow decimals but the output field will not display decimals. |  |  |
| 15 | 1,3,7 | Attempt to enter 3 or more decimal values into the input field | The input field will not allow a third decimal place to be entered |  |  |
| 16 | 1,2,3,4,6,7,8,  9,12 | Turn off the internet to the PC. Change all the rates in the ExchangeRateDB to 24+ hours old. From Exchange GUI select a From and a To currency code and enter the amount 10.50 to be converted. | The database will complete the conversion without internet access but the GUI will warn the user that the data is inaccurate and should not be used. |  |  |