

Test Plan

CMSC 495 6380 Current Trends and Projects in Computer Science (2218)

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Group 5

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Revision number	Date	Description	Name
1	9/19/2021	Added test cases 4-7 and a note about test case 5.	Shawn Kratochvil
2	09/20/2021	Added a few amendments to the Test cases must cover error-handling scenarios section	Danny Padro

Test Case Number	Requirement Number	Test Description	Expected result	Actual result	Pass/Fail
1	2, 3, 4	Select the input currency from the drop-down list, enter the desired amount to be converted, then select the output currency from dropdown list.	The input currency is selected, the amount is showing on the field, and the output currency is selected		
2	1, 2, 3, 4, 5, 6, 7	After running the application, input all the data and then press the convert button.	Correct converted amount is shown on the screen		
3	8, 9	Click on the input and output currency drop-down list.	All currencies that are supported by the API are available for conversion		

4	1-7	After running the application, the user enters nonnumeric OR negative data and presses the convert button.	This throws an exception which is displayed as an error message on the GUI. The error message either indicates that nonnumeric data was entered, or negative data was entered. It then prompts the user to add positive numeric data.		
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5*	8, 9	Click on the input and output currency drop-down list, however the API is not connected or (more likely) the application is not connected to the internet.	This throws an exception which is displayed as an error message on the GUI. The message indicates that the API is not connected and prompts the user to remain connected to the internet for live exchange rates. Conversion does not occur.		
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6	1- 7	Click on the input and output currency from the drop-down list but the user enters the input and output currency as the same currencies	The converted amount displayed should be the same as the input amount since the conversion rate for the same currency is 1 exactly. The user is prompted by a text field on the GUI saying that the input and output currencies are the same.		
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Note:

For test case number 5*, it may be possible for us to enable a data-saving mechanism which will use the last available API data in the case that the internet does become disconnected. In which case, we could display a message to the user indicating that the “last available data” is being used rather than the most recent. This message could indicate that date and time this data was last saved.