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Assignment 6 Review

Test Case Design

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| Functionality Tested | Inputs | Expected Outputs | Actual Outputs |
| User Input Data Struct.  &  User Input Fields | Each field is dedicated to String or double. Input of different intended type will be implemented to ensure that the system will reject data of different types (e.g. int in ‘Name’ field, String in ‘Price’ field, etc.) | Data saves in different, easily accessible entries that allow the user later access. Activity is refreshed when user inputs invalid data types in the input fields. |  |
| Calculation of individual totals | Multiple double values as well as the items that were split between two or more people. Much like above, data types other than the one intended (double) will be inputted to ensure that the system rejects incorrect input which would affect output calculation | Algorithms effectively calculate all items between people to bring the correct totals with all circumstances considered, no invalid data types are taken into calculation; returns double value |  |
| Add Entry in MyTab | Multiple entries for people from the initial use. Entries that are added after a calculation has been completed. Entries with the same name will be tested to ensure that the system will have a way to handle different people with the same name. | Saves all entries during an individual total calculation as well as maintaining running totals to names listed in MyTab. People with same names get stored as different entries. |  |
| Delete Entry in MyTab | Select names to remove from MyTab.  Also test to ensure that user can exit edit menu without actually editing any entries. | Data updates successfully, MyTab updated. |  |

TabOSS is an android application that allows a user to split up a bill/receipt from a restaurant between all party members that went out to eat together. So far, the TabOSS has been developed enough that it is able to have the user input the names of those in the party, the items purchased, and the price associated in order to complete a “total” calculation for all members involved. The next step in implementation would be to add the “MyTab” function that would allow the user to save information produced from a calculation. After the “MyTab” function is added and tested, the OCR will be implemented to carry out the original intended functionality of the application.