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| File Name | UC\_TransactionManager\_AddTransaction.docx |
| Use Case Name | Transaction Manager Add Transaction |
| Project | Account Project v03 |
| Author | Bob Trapp |
| Date | 2017-11-03 |
| Specification Document | NA (See Assignment for Project Version 3) |
| Parent Document | NA |
| Use Case Diagram | TransactionManagementUseCaseDiagram.png |

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| **Mod Date** | **Mod By** | **Mod Description** |
| 2017-11-02 | Bob Trapp | Initial Creation |
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| Goals | The Transaction Manager wishes to add a new Transaction record. |
| Primary Actor | * Transaction Manager |
| Secondary Actor(s) | * DBMS |
| Pre-Conditions | * The Transaction Manager is at the Transaction Management Menu * The Transaction Manager has the data needed for the new Transaction |
| Post Conditions | * The new Transaction record is created in the database * The use is back to the Transaction Management Menu |
| Basic Flow | 1. The Transaction Manager chooses Add Transaction from the Transaction Management Menu 2. The System displays Accounts 3. The System prompt the Transaction Manager for the FROM Account 4. The Transaction Manager specifies the FROM Account and submits. 5. The System verifies the FROM Account 6. The System displays Accounts 7. The System prompts the Transaction Manager for the TO Account 8. The Transaction Manager enters the TO Account and submits 9. The System validates the TO Account 10. The System prompts the Transaction for the Transaction Amount 11. The Transaction Manager enters the Transaction Amount and submits 12. The System validates the Transaction Amount 13. The System prompts the Transaction Manager for a Transaction Comment 14. The Transaction Manager enters a Transaction Comment and submits 15. The System verifies the Transaction Comment 16. The System posts the record to the DBMS 17. The DBMS stores the transaction record 18. The DBMS returns a result with the new Transaction ID and the official Transaction date and time 19. The System displays a success message 20. The Transaction Manager acknowledges the message 21. The System displays the Transaction Management Menu |
| Alternate Flow(s) | 1. If the FROM Account is not valid (Extension Point Step 6)    1. The System displays an error message    2. The Transaction Manager acknowledges the error message    3. The System returns to Step 2 2. If the TO Account is not valid (Extension Point Step 9)    1. The System displays an error message    2. The Transaction Manager acknowledges the error message    3. The System returns to step 6 3. If the TO Account is the same as the FROM Account (Extension Point Step 9)    1. The system displays an error message    2. The Transaction Manager acknowledges the error message    3. The System returns to step 2 4. If the Transaction Amount is not valid (Extension Point Step 12)    1. The System displays an error message    2. The Transaction Manager acknowledges the error message    3. The system returns to step 10 5. If the Transaction Comment is not valid (Extension Point: Step 15)    1. The System displays an error message    2. The Transaction Manager acknowledges the error    3. The System returns to Step 13 6. If the Transaction Manager chooses Cancel    1. The System asks to verify cancel    2. If the Transaction Manager verifies Cancel, the System displays the Transaction Management Menu    3. If the Transaction Manager rejects the Cancel, the System returns to the current step at the time of the Cancel choice |
| Open Issues | 1. There are no open issues |
| Remarks | 1. The TO and FROM Accounts must be valid 2. The TO and FROM Accounts cannot be the same 3. The Transaction Amount must be greater than zero 4. The Transaction Comment must be at least eight characters long but should not be longer than 128. 5. The Transaction Manager may choose to Cancel at any step up to step 8 |