Phase #1 Front End requirements:

**List of Test Cases and actual inputs and expected outputs:**

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| --- | --- | --- | --- | --- |
| Test Name | Description | Input | Output File | Output Terminal |
| login1 | Test that login transaction is accepted. | login  user01  logout | 10 user01 FS 000000.00  00 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Session terminated. |
| login2 | Test that no other transaction is accepted before login. | refund  login  user01  logout | 10 user01 FS 000000.00  00 user01 FS 000000.00 | Welcome to the Ticket Selling System.  refund: access denied  Please login to begin.  Welcome, user01.  Session terminated. |
| login3 | Test that we can login as admin. | login  Admin01  logout | 10 admin01 AA 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Session terminated. |
| login4 | Test that we can login as full standard | login  User01  sell  logout | 10 user01 FS 100000.00  04 item01 seller01 user01  999.99  03 item01  Seller01 100 999.99  00 user01 FS 099000.01 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Sell access: granted  Session terminated. |
| login5 | Test that we can login as buy standard | Login  User02  logout | 10 user02 BS 000000.00  00 user02 BS 000000.00 | Please login to begin.  Welcome, user02.  Session terminated. |
| login6 | Test that we can login as sell standard | Login  user03  logout | 10 user03 SS 000000.00  00 user03 SS 000000.00 | Please login to begin.  Welcome, user03.  Session terminated. |
| logout1 | Test that we are logged in before logout. | logout  login  user01 |  | Welcome to the Ticket Selling System.  Please login to begin.  Error: unable to logout  Session terminated. |
| logout2 | Test that we can only login after logout. | login  user01  login  logout | 10 user01 FS 000000.00  10 user01 FS 000000.00  10 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Error: You are already logged in.  Session terminated. |
| logout3 | Test that Daily Transaction File is correctly written out. | login  user01  logout  create  delete  addcredit | 10 user01 FS 000000.00  00 user01 FS 000000.00  01 user01 FS 000000.00  02 user01 FS 000000.00  06 user01 FS 999999.99 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Session terminated. |
| create1 | Test privileged transaction when logged in as admin. | login  admin01  create  delete  refund  addcredit  logout | 10 admin01 AA 000000.00  01 user01 FS 000000.00  02 user01 FS 000000.00  03 item01 user01 100 999.99  05 buyer01 user01 999999.99  06 user01 FS 999999.99  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  create user permission: granted  delete user permssion:  granted  refund access: granted  addcredit access: granted  Session terminated. |
| create2 | Test maximum credit is 999,999.99. | login  user04  addcredit 1000  logout | 10 user01 FS 000000.00  06 user01 FS 999999.99  00 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user04.  Error: max credit attained.  Session Terminated. |
| create3 | Test username character limit is 15. | login  testingusername1  logout |  | Welcome to the Ticket Selling System.  Please login to begin.  Error, username is too long.  Session Terminated. |
| create4 | Test username is unique/different from other usernames. | login  user01  logout |  | Welcome to the Ticket Selling System.  Please login to begin.  Error, username is in use.  Session Terminated. |
| create5 | Test type of user. | login  user01  logout  login  user02  logout  login  user03  logout | 10 user01 FS 000000.00  00 user01 FS 000000.00  10 user02 BS 000000.00  00 user02 BS 000000.00  10 user03 SS 000000.00  00 user03 SS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Session terminated.  Please login to begin.  Welcome, user02.  Session terminated.  Please login to begin.  Welcome, user03.  Session terminated |
| create6 | Test information saved into daily transaction file. | login  user01  logout  create  delete  addcredit | 10 user01 FS 000000.00  00 user01 FS 000000.00  01 user01 FS 000000.00  02 user01 FS 000000.00  06 user01 FS 999999.99 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Session terminated. |
| delete1 | Test username exists but not current user. | login  admin01  delete admin01  logout | 10 admin01 AA 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Error: Unable to delete current account.  Session terminated. |
| delete2 | Test no further transactions should be accepted on deleted user’s available inventory. | login  admin01  delete user04  logout  login  user04  logout | 10 admin01 AA 000000.00  02 user04 FS 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  user04 deleted.  Session terminated.  Please login to begin.  Error: account does not exist.  Session terminated. |
| delete3 | Test user account is removed and all tickets for sale are cancelled. | login  admin01  delete user04  logout  login  user01  item1  logout | 10 admin01 AA 000000.00  02 user04 FS 000000.00  00 admin01 AA 000000.00  10 user01 FS 000000.00  00 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  user04 deleted.  Session terminated.  Please login to begin.  Welcome, user01.  Error: Item not for sale, user04 has been deleted.  Session terminated. |
| delete4 | Test privileged transaction when logged in as admin. | login  admin01  delete user04  logout | 10 admin01 AA 000000.00  02 user04 FS 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  user04 deleted.  Session terminated. |
| delete5 | Test information saved into daily transaction file. | login  admin01  logout  delete user01 | 10 admin01 AA 000000.00  00 admin01 AA 000000.00  02 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Session terminated. |
| sell1 | Test user account type access to sell. | Login  User01  sell01  Logout  Login  User02  Sell02  logout | 10 user01 SS 000000.00  03 item01 user01 100 999.99  00 user01 SS 000000.00  10 user02 BS 000000.00  00 user02 BS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Session Terminated.  Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user02.  Session Terminated. |
| sell2 | Test max price | Login  User01  sell01  999.99  logout | 10 user01 FS 000000.00  00 user01 FS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Sell01: Unable to exceed max price.  Session Terminated. |
| sell3 | Test event name is max 25 characters | Login  User01  Super Unnecessarily Long Named Event | 10 user01 SS 000000.00  00 user01 SS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Character limit exceeded, unable to sell.  Session Terminated. |
| sell4 | Test max number of tickets for sale | Login  User01  Sell01  logout | 10 user01 SS 000000.00  00 user01 SS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Unable to sell tickets, (101 tickets).  Session Terminated. |
| sell5 | Test no further transactions should be accepted on a new ticket for sale until the next session. | Login  User01  Sell01  Logout  Login  User01  Sell01  Logout | 10 user01 BS 000000.00  00 user01 BS 000000.00  10 user01 BS 000000.00  04 item01 seller01 user01  999.99  00 user01 BS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Unable to sell, please open new session.  Session terminated.  Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01  Sale complete  Session terminated. |
| buy1 | Test information saved into daily transaction file. | Login  User01  Buy01  Logout | 10 user01 BS 000000.00  04 buy01 seller01 user01  999.99  00 user01 BS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01  Tickets bought  Session terminated. |
| buy2 | Test semi-privileged transaction when not logged in as standard-sell. | Login  User03  Buy01  logout | 10 user01 SS 000000.00  00 user01 SS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user03.  Unable to place purchase on standard-sell account.  Session Terminated. |
| Buy3 | Test event name exists. | Login  User01  Buy03  logout | 10 user01 SS 000000.00  00 user01 SS 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Unable to place purchase , event does not exist.  Session Terminated. |
| refund1 | Test credit goes from seller to buyer done by admin only. | Login  Admin01  Refund user02 seller01 100.00  logout | 10 admin01 AA 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01  Unable to process refund, user02 was not buyer in transaction.  Session Terminated. |
| refund2 | Test buyer and seller username exist. | Login  Admin01  Refund user07 seller 07 100.00  logout | 10 admin01 AA 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01  Unable to process refund, user07 does not exist.  Unable to process refund, seller07 does not exist.  Session terminated. |
| refund3 | Test information saved to daily transaction. | Login  Admin01  Refund user01 seller01 1000.00  logout | 10 admin01 AA 000000.00  05 user01 seller01 001000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Refund complete.  Session terminated. |
| refund4 | Test asking for buyers username, sellers username, and amount of credit to transfer. | Login  Admin01  Refund user01  Refund seller01  Refund 100.00  logout | 10 admin01 AA 000000.00  00 admin01 AA 000000.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Unable to process refund, Buyer username, seller username or credit not recieved. |
| addcredit1 | Test in admin amount of credit is added. | Login  Admin01  addcredit 100.00 user01  logout | 10 admin01 AA 999999.99  06 user01 FS 000100.00  00 admin01 AA 999899.99 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Credit of 100.00 added to user01.  Session Terminated. |
| addcredit2 | Test maximum of $1000.00 can be added. | Login  Admin01  Addcredit 1000.00 user01  Addcredit 1001.00 user01  logout | 10 admin01 AA 999999.99  06 user01 FS 001000.00  00 admin01 AA 998999.99  06 user01 FS 002000.00  00 admin01 AA 997999.99 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Credit of 1000.00 added to user01.  Credit of 1001.00 added to user01.  Session Terminated. |
| addcredit3 | Test in admin username exists. | Login  Admin01  Addcredit 100.00 user07  logout | 10 admin01 AA 999999.99  00 admin01 AA 999999.99 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Unable to add credit, user07 does not exist.  Session Terminated. |
| addcredit4 | Test in standard account amount of credit is added. | Login  User01  Addcredit 100.00  logout | 10 user01 FS 000000.00  06 user01 FS 000100.00  00 user01 FS 000100.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Credit of 100.00 added to user01.  Session Terminated. |
| addCredit5 | Test information saved to daily transaction. | Login  User01  Addcredit 150.00  logout | 10 user01 FS 000000.00  06 user01 FS 000150.00  00 user01 FS 000150.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, user01.  Credit of 150.00 added to user01.  Session Terminated. |
| addCredit6 | Test credit is inputted as numbers not words. | Login  User01  Addcredit One Hundred Fifty  Addcredit 150.00  logout | 10 admin01 AA 999999.99  00 admin01 AA 999999.99  06 user01 FS 000150.00  00 admin01 AA 999849.99  10 user01 FS 000000.00  00 user01 FS 000150.00 | Welcome to the Ticket Selling System.  Please login to begin.  Welcome, admin01.  Unable to add credit, incorrect input(Please enter numeric value for example 150.00).  Credit of 150.00 added to user01.  Session Terminated. |

**Test Plan Organization**

Each test will have its own section as well as sub sections as represented by the test names, to make it easy to find the root of any problem. Both inputs and outputs will be kept in separate directories which will also help with narrowing down errors.

**Test Run Plan**

Testing will be run with DOS batch files which will take simple inputs from the user and apply them appropriately to the Ticket Selling System. The results will be split up by the transaction code used and kept in order in their own separate folders. Any errors occurring will result in a termination of the system as well as the creation of a separate note detailing the specific test that failed.

**Requirements Problems**

For one, the requirements don’t account for the sellers’ banking information for how they will receive payment for their tickets. A possible solution could be just adding to their credit and allowing them to withdraw that into their accounts, or it could be as simple as linking a PayPal.

Editing of user information is also not accounted for, for example if a user wanted to change their password, it would not be possible to do so.

Increased security should also be a priority. As it currently stands, there is no verification of sellers or if the tickets they are selling are real.

Currently does not have verification for buyers, such as their age depending on if the event they are purchasing tickets for is age restricted.

Does not state exactly which payments the system takes, for example allowing for crypto currency etc.