PHASE 1: FRONT END REQUIREMENT TESTS

By: Group007

Abdullah Alakeel

Saurabh Mishra

Priya Mohan

Prashakar Prabagaran

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| --- | --- | --- | --- | --- | --- |
| Command | Test Name | Intention | Input | Output | Transaction Recorded |
| Login | login1 | Tests that login transaction is allowed. | login  admin  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Session terminated. | 00 000000000 |
| Login | login2 | Tests that no other transactions are accepted before login. | create  delete  sell  buy  refund  addcredit | Welcome to the ticket system.  Enter command:  Enter username:  Logout invalid (please login first).  Enter command:  Create invalid (please login first).  Enter command:  Delete invalid (please login first).  Enter command:  Sell invalid (please login first).  Enter command:  Buy invalid (please login first).  Enter command:  Refund invalid (please login first).  Enter command:  Addcredit invalid (please login first). | 00 000000000 |
| Login | login3 | Test that full-standard login is accepted. | login  fstandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Login | login4 | Test that buy-standard login is accepted. | login  bstandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Login | login5 | Test that sell-standard login is accepted. | login  sstandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Login | login6 | Test that, once logged in, no other login transaction is allowed. | login  admin  login | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Login invalid (a user is already logged in). | 00 000000000 |
| Logout | logout1 | Tests that logout transaction is allowed (must be logged in). | login  admin  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Session terminated. | 00 000000000 |
| Logout | logout2 | Tests that no transaction other than login is accepted after a logout transaction has occurred. | login  admin  logout  create  delete  sell  buy  refund  addcredit | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Create invalid: you do not have access to this transaction.  Enter command:  Delete invalid: you do not have access to this transaction.  Enter command:  Sell invalid: you do not have access to this transaction.  Enter command:  Buy accepted.  Enter command:  Refund accepted.  Enter command:  Addcredit accepted.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Create | Create1 | Tests for new user account creation from (admin), Full-standard user type. | login  admin  create  fstandard  Full-standard  200,000  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Enter user account type:  Enter user account credit:  Account created.  Enter command:  Logout accepted.  Session terminated. | 01 fstandard FS 000200000 |
|  | Create2 | Tests for new user account creation from (admin), Sell-standard user type. | login  admin  create  sstandard  Sell-standard  360,000  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Enter user account type:  Enter user account credit:  Account created.  Enter command:  Logout accepted.  Session terminated. | 01 sstandard SS 000360000 |
|  | Create3 | Tests for new user account creation from (admin), Buy-standard use type. | login  admin  create  bstandard  Buy-standard  150,000  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Enter user account type:  Enter user account credit:  Account created.  Enter command:  Logout accepted.  Session terminated. | 01 bstandard BS 000150000 |
|  | Create4 | Tests for new user account creation from (fStandard) are invalid | login  fstandard  create  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Create invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create5 | Tests for new user account creation from (bStandard) are invalid | login  bstandard  create  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Create invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create6 | Tests for new user account creation from (sStandard) are invalid | login  sstandard  create  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Create invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create7 | Tests maximum characters for new username should be at most 15 | login  admin  create  Jon Mac Ab Ol LwLrWrQeee Rew Bin Walt  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Invalid, Name too long.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create8 | Tests maximum credit for user account < 999,999 | login  admin  create  bstandard  Buy-standard  2,123,412  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Enter user account type:  Enter user account credit:  Invalid, Credit exceeded maximum number (999,999)  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create9 | Test Ensures the new username is unused username in creation | login  admin  create  admin  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Invalid, Name in use.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create10 | Tests for cancel after initial create transition command | login  admin  create  cancel  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Are you sure you want to cancel?  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Create11 | Tests for new user account creation with an invalid user type input through (admin) | login  admin  create  sstandard  New-standard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter new account holder’s username:  Enter user account type:  Invalid user type.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Delete | Delete1 | Test delete ticket through admin | login  admin  delete  ticket  fstandard  Nigh club  20  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter seller’s username:  Enter event title:  Enter number of tickets:  Are you sure you want to delete?  Tickets deleted.  Enter command:  Logout accepted.  Session terminated. | 02 fStandard FS 000200000 |
|  | Delete2 | Test delete user through admin | login  admin  delete  user  fstandard  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter the User username:  Are you sure you want to delete?  User deleted.  Enter command:  Logout accepted.  Session terminated. | 02 fstandard FS 000200000 |
|  | Delete3 | Test delete through non-admin (sStandard) | login  sstandard  delete  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Delete invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Delete4 | Test delete through non-admin (bStandard) | login  bstandard  delete  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Delete invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Delete5 | Test delete through non-admin (fStandard) | login  fstandard  delete  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Delete invalid, Access Denied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Delete6 | Test delete ticket for non-existing ticket through admin | login  admin  delete  ticket  fstandard  Oshawa party  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter seller’s username:  Enter event title:  Invalid, Ticket not found.  Enter command:  Logout accepted.  Session terminated. | 02 admin AA 000002000 |
|  | Delete7 | Test delete user for non-existing user through admin | login  admin  delete  user  fstandardd  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter the User username:  Are you sure you want to delete?  Invalid, User not found  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
|  | Delete8 | Test no transactions can be made after deleted user through admin | login  admin  delete  user  fstandard  yes  addcredit  fStandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter the User username:  Are you sure you want to delete?  User deleted.  Enter command:  Enter new account holder’s name username:  No further transitions can be made to a deleted User.  Enter command:  Logout accepted.  Session terminated. | 02 fstandard FS 000200000 |
|  | Delete9 | Test delete user (admin) that already in use through admin. | login  admin  delete  user  admin  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter what you want to delete (user/ticket)?  Enter the User username:  Invalid, the user is already in use.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| Buy | Buy1 | Tests for standard buy for valid account and confirmed buy.  (standard-buy) | login  standard-buy  buy  Kanye  3  Standard-sell  Yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Ticket cost: $15.00.  Total cost: $45.00.  Confirm purchase?  Enjoy the show!  The number of available tickets has been updated.  Enter command:  Session terminated. | 03 kanye Standard-sell 097 015.00 |
|  | Buy2 | Tests for standard buy for valid account but not enough credit.  (standard-buy) | login  standard-buy  buy  Kanye  3  Standard-sell  Yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Ticket cost: $15.00.  Total cost: $45.00.  Confirm purchase?  Buy invalid: not enough credit. Please add credit to proceed.  Enter command:  Session terminated. | 03 kanye Standard-sell 100 015.00 |
|  | Buy3 | Tests for standard buy for valid account and cancelled buy.  (standard-buy) | login  standard-buy  buy  Kanye  3  Standard-sell  No  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Ticket cost: $15.00.  Total cost: $45.00.  Confirm purchase?  Transaction cancelled. Enter command:  Session terminated. | 03 kanye Standard-sell 100 015.00 |
|  | Buy4 | Tests for standard buy for valid account and ticket greater than 4 (standard-buy) | login  standard-buy  buy  Kanye  10  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Invalid event: you must have a privileged account to buy more than 4 tickets.  Enter command:  Session terminated. | 03 kanye Standard-sell 100 015.00 |
|  | Buy5 | Tests for privileged account.  (admin) | login  Admin  buy  Kanye  10  Standard-sell  Yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Ticket cost: $15.00.  Total cost: $45.00.  Confirm purchase?  Enjoy the show!  The number of available tickets has been updated.  Buy completed.  Enter command:  Session terminated. | 03 kanye Standard-sell 090 015.00 |
|  | Buy6 | Tests for privileged account. Invalid user name.  (admin) | login  Admin  buy  Kanye wefwfewfwerfwfrfrwefeffre  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter event:  Invalid event: name should be less than 25 characters.  Enter command:  Session terminated. | 00 000 000000 |
|  | Buy7 | Tests for standard buy for valid account and invalid event name.  (standard-sell) | login  Standard-sell  buy  Kanye wefwfewfwerfwfrfrwefeffre  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter event:  Invalid event: name should be less than 25 characters.  Enter command:  Session terminated. | 00 000 000000 |
|  | Buy8 | Tests for standard buy for valid account and confirmed buy  (Full-standard) | login  Full-Standrad  buy  Kanye  3  Standard-sell  Yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Ticket cost: $15.00.Total cost: $45.00. Confirm purchase??  Enjoy the show!  The number of available tickets has been updated.  Buy completed  Enter command:  Session terminated. | 03 kanye Standard-sell 097 015.00 |
|  | Buy9 | Test for invalid user name with more than 15 character  (standard-buy) | login  standard-buy  buy  Kanye  3  Standard-sell saefrefefwfefef  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter number of tickets:  Enter seller username:  Invalid username.  Enter command:  Session terminated. | 00 000 000000 |
| Sell | Sell1 | Tests for complete standard sell for valid account.  (standard-sell) | login  Standard-sell  sell  Kanye  15.00  10  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Enter number of tickets to add:  Event and tickets added successfully. Enter command:  Session terminated. | 00 000 000000 |
|  | Sell2 | Tests for invalid ticket number for sale (>100)  (standard-sell) | login  Standard-sell  sell  Kanye  15.00  120  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Enter number of tickets to add:  Invalid event: ticket amount should be less than 100 and more than 0.  Tickets Not Added. Enter command:  Session terminated. | 00 000 000000 |
|  | Sell3 | Tests for invalid ticket number for sale (<100) | login  Standard-sell  sell  Kanye  15.00  -1  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Enter number of tickets to add:  Invalid event: ticket amount should be less than 100 and more than 0.  Tickets Not Added  Enter command:  Session terminated. | 00 000 000000 |
|  | Sell4 | Tests for maximum ticket amount  ( > $999.99)  (standard-sell) | login  Standard-sell  sell  Kanye  2000  logout | Welcome to the ticket system. Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Invalid event: ticket price should be less than $999.99.  Tickets Not Added.  Enter command:  Session terminated. | 00 000 000000 |
|  | Sell5 | Tests for event number should be less than 25  (standard-sell) | login  Standard-sell  sell  Kanye sfsfwefewfwefwwefwfeff  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Invalid event: name should be between 0-25 characters long.  Tickets Not Added.  Enter command:  Session terminated. | 00 000 000000 |
|  | Sell6 | Tests for event number should be more than 0  (standard-sell) | login  Standard-sell  sell  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Invalid event: name should be between 0-25 characters long.  Tickets Not Added.  Enter command:  Session terminated. | 00 000 000000 |
|  | Sell7 | Tests that admin has sell privileges. | login  admin  sell  Kanye  15.00  10  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Enter number of tickets to add:  Event and tickets added successfully.  Enter command:  Session terminated. | 04 kanye Standard-sell 010 015.00 |
|  | Sell8 | Tests that buy-standard does not have sell privileges. | login  Standard-buy  sell  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Access denied  Enter command:  Session terminated. | 00 000 000000 |
|  | Sell9 | Tests that full-standard has sell privileges. | login  Full-standard  sell  Kanye  15.00  10  logout | Welcome to the ticket system.  Enter command:  Enter username:  Enter command:  Enter event:  Enter sale price:  Enter number of tickets to add:  Event and tickets added successfully.  Enter command:  Session terminated. | 04 kanye Standard-sell 010 015.00 |
| refund | refund1 | Check if accounts are valid for refund (Admin only & both accounts are current users) | login  admin  refund  bStandard  sStandard  100.00  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter buyers username:  Enter sellers username:  Enter amount of credit to refund:  Enter command:  Logout accepted.  Session terminated. | 05 bStandard sStandard 000100.00 |
| refund | refund2 | Check if accounts are valid for refund (fStandard) | login  fStandard  refund  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Refund invalid: you do not have access to this transaction.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| refund | refund3 | Check if accounts are valid for refund (bStandard) | login  bStandard  refund  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Refund invalid: you do not have access to this transaction.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| refund | refund4 | Check if accounts are valid for refund (sStandard) | login  sStandard  refund  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Refund invalid: you do not have access to this transaction.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| refund | refund5 | Check if accounts are valid for refund (Either buyer or seller not current users) | login  admin  refund  bStandard  sStandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter buyers username:  Enter sellers username:  Refund invalid: buyer and seller must both be current users to process refund  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| refund | refund6 | Tests for cancel after initial refund transition command | login  admin  refund  cancel  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Are you sure you want to cancel?  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| addcredit | addcredit1 | Test addcredit through Admin | login  admin  addcredit  100.00  fStandard  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Enter command:  Logout accepted.  Session terminated. | 06 fStandard FS 000100.00 |
| addcredit | addcredit2 | Test addcredit through non-admin logins (fStandard) | login  fStandard  addcredit  75.00  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter command:  Logout accepted.  Session terminated. | 06 fStandard FS 000075.00 |
| addcredit | addcredit3 | Test addcredit through non-admin logins (bStandard) | login  bStandard  addcredit  75.00  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter command:  Logout accepted.  Session terminated. | 06 bStandard BS 000075.00 |
| addcredit | addcredit4 | Test addcredit through non-admin logins (sStandard) | login  sStandard  addcredit  75.00  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter command:  Logout accepted.  Session terminated. | 06 sStandard SS 000075.00 |
| addcredit | addcredit5 | Ensure username: entered while testing through Admin is valid | login  admin  addcredit  100.00  fStandard  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Valid user account entered, proceed with transaction?  Enter command:  Logout accepted.  Session terminated. | 06 fStandard FS 000100.00 |
| addcredit | addcredit6 | Ensure username: entered while testing through Admin is valid (invalid case) | login  admin  addcredit  100.00  Invalid user | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Add Credit Invalid: Specified username: is invalid or does not exist. | 00 000000000 |
| addcredit | addcredit7 | Of credit to add: entered is <100 | login  admin  addcredit  90.00  fStandard  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Valid user account entered, proceed with transaction?  A credit of 90 will be applied  Enter command:  Logout accepted.  Session terminated. | 06 fStandard FS 000090.00 |
| addcredit | addcredit8 | Of credit to add: entered is >100 | login  admin  addcredit  120.00  fStandard  yes  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Valid user account entered, proceed with transaction?  Add credit Invalid: amount of credit requested to be added exceeds the limit of 100.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |
| addcredit | addcredit9 | Of credit to add: entered is <100 but user cancels transaction | login  admin  addcredit  90.00  fStandard  no  logout | Welcome to the ticket system.  Enter command:  Enter username:  Login accepted.  Enter command:  Enter amount of credit to add:  Enter username of account to credit:  Valid user account entered, proceed with transaction?  The credit has not been applied.  Enter command:  Logout accepted.  Session terminated. | 00 000000000 |

**Test Organization:**

Tests are organized into a single directory placed in folders organized by file name. Tests for each transaction are named starting with the transaction name and the numbered sequentially, for example login1, create2, sell3 and so on. Test inputs use the extension .inf. Corresponding expected Daily Transaction File outputs use the .eft extension, and the expected terminal uses the .ouf extension. When tests are run, actual test run outputs for the Daily Transition File will be named ending in .atf (e.g. “create.atf”) in the same directory. The same procedure will happen to the other test cases (e.g. login, logout, create, delete, sell, buy, refund, addcredit).

**Test Run Plan:**

Tests will be run using a DOS batch command script that reads in the .inf files and compares the program output to the .ouf files. If the outputs are correct, the test cases will pass, else the test case will be marked as failed and failed test name will be shown to the developer.

**Requirements Problems:**

* The requirements do not say what the maximum number for purchase sell and/or and buy tickets that the account holder can have. We assume that the maximum number (99,99).
* The requirement do not say how many users the program can hold. We Will assume we will have 30 admin and 100 Standard
* Tests cases did not test for transaction confirmations since this was an extra addition and not requirements specific.