Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Username | Number | Output |
| P1 | Login transaction | Correct input | Correct input | Success |
| P2 | Login transaction | Account available in DB | Correct input | Success |
| P3 | Login transaction | Account not available in DB | Correct input | Failure |
| P4 | Sell ticket transaction | Correct input | Correct input | Failure |
| P5 | Buy ticket transaction | Correct input | Correct input | Failure |
| P6 | Subsequent login after login | Correct input | Correct input | Failure |
| P7 | Subsequent login after logout | Correct input | Correct input | Success |
| P8 | All transactions are accepted | Admin login | Correct input | Success |
| P9 | All transactions are accepted | Non-admin login | Correct input | Failure |
| P10 | Reads in the available tickets file and begins accepting transactions | Accepted username | Correct input | Success |
| P11 | Reads in the available tickets file and begins accepting transactions | Rejected username | Correct input | Failure |

Logout

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Username | Number | Output |
| P1 | Login transaction after logout | Correct input | Correct input | Success |
| P2 | Logout transaction after logout | Correct input | Correct input | Failure |
| P3 | Sell ticket transaction after logout | Correct input | Correct input | Failure |
| P4 | Buy ticket transaction after logout | Correct input | Correct input | Failure |
| P5 | Logout after login | Correct input | Correct input | Success |
| P6 | Logout after logout | Correct input | Correct input | Failure |
| P7 | Logout before login | Correct input | Correct input | Failure |

Create

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Username | Number | Output |
| P1 | Less than or equal to 15 chars and doesn’t exist in DB | Correct input | Correct input | Success |
| P2 | Less than or equal to 15 chars but does exist in DB | Correct input | Correct input | Failure |
| P3 | More than 15 chars | Correct input | Correct input | Failure |
| P4 | Empty | Correct input | Correct input | Failure |
| P5 | Admin user type | Correct input | Correct input | Success |
| P6 | Full-standard user type | Correct input | Correct input | Success |
| P7 | Buy-standard user type | Correct input | Correct input | Success |
| P8 | Sell-standard user type | Admin login | Correct input | Success |
| P9 | No selection for the user type | Correct input | Correct input | Failure |
| P10 | Correct input | Correct input | Credit is less than or equal to 999.99 | Success |
| P11 | Correct input | Correct input | Credit is more than 999.99 | Failure |
| P12 | Correct input | Correct input | Negative number | Failure |
| P13 | Correct input | Correct input | Zero | Failure |

Delete

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Username | Number | Output |
| P1 | Privileged transaction for admin user | Correct input | Correct input | Success |
| P2 | Privileged transaction for non-admin user | Correct input | Correct input | Failure |
| P3 | Correct input | Existing user | Correct input | Success |
| P4 | Correct input | Non-existing user | Correct input | Failure |
| P5 | Correct input | Current user | Correct input | Failure |
| P6 | Further transaction | Deleted user | Correct input | Failure |
| P7 | Further transaction | Existing user | Correct input | Success |

Sell

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Sale price | Number | Output |
| P1 | Less than or equal to 25 chars | Correct input | Correct input | Success |
| P2 | More than 25 chars | Correct input | Correct input | Failure |
| P3 | Empty | Correct input | Correct input | Failure |
| P4 | Duplicated Event title (already exists in DB) | Correct input | Correct input | Failure |
| P5 | Correct input | Negative number | Correct input | Failure |
| P6 | Correct input | Less than or equal to 999.99 | Correct input | Success |
| P7 | Correct input | More than 999.99 | Correct input | Failure |
| P8 | Correct input | Zero | Correct input | Success |
| P9 | Correct input | Correct input | Negative number | Failure |
| P10 | Correct input | Correct input | Zero | Failure |
| P11 | Correct input | Correct input | Positive number less than or equal to 100 | Success |
| P12 | Correct input | Correct input | Positive number more than 100 | Failure |

Buy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Event title | Username | Number of tickets | Output |
| P1 | Less than or equal to 25 chars and exists in DB | Correct input | Correct input | Success |
| P2 | More than 25 chars | Correct input | Correct input | Failure |
| P3 | Empty | Correct input | Correct input | Failure |
| P4 | Less than or equal to 25 chars and doesn’t exist in DB | Correct input | Correct input | Failure |
| P5 | Correct input | More than 15 chars | Correct input | Failure |
| P6 | Correct input | Less than or equal to 15 chars, but doesn’t exist in DB | Correct input | Failure |
| P7 | Correct input | Less than or equal to 15 chars, and exists in DB | Correct input | Success |
| P8 | Correct input | Correct input | Positive number less than or equal to 100, but more than what’s in the inventory | Failure |
| P9 | Correct input | Correct input | Negative number | Failure |
| P10 | Correct input | Correct input | Zero | Failure |
| P11 | Correct input | Correct input | Positive number less than or equal to 100, and less than what’s in the inventory | Success |
| P12 | Correct input | Correct input | Positive number more than 100 | Failure |

Refund

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Partition | Seller Username | Buyer Username | Amount of credit | Output |
| P1 | More than 15 chars | Correct input | Correct input | Failure |
| P2 | Less than or equal to 15 chars, but doesn’t exist in DB | Correct input | Correct input | Failure |
| P3 | Less than or equal to 15 chars, and exists in DB, but not a Seller | Correct input | Correct input | Failure |
| P4 | Less than or equal to 15 chars, exists in DB, and is a seller | Correct input | Correct input | Success |
| P5 | Correct input | More than 15 chars | Correct input | Failure |
| P6 | Correct input | Less than or equal to 15 chars, and exists in DB, but not a buyer | Correct input | Failure |
| P7 | Correct input | Less than or equal to 15 chars, exists in DB, and is a buyer | Correct input | Success |
| P8 | Correct input | Correct input | More than needed | Failure |
| P9 | Correct input | Correct input | Less than needed | Failure |
| P10 | Correct input | Correct input | Exactly what is needed | Success |

Add credit

(admin mode)

|  |  |  |  |
| --- | --- | --- | --- |
| Partition | Username | Amount | Output |
| P1 | More than 15 chars | Correct input | Failure |
| P2 | Less than or equal to 15 chars, but doesn’t exist in DB | Correct input | Failure |
| P3 | Less than or equal to 15 chars, and exists in DB | Correct input | Success |
| P4 | Correct input | Negative number | Failure |
| P5 | Correct input | Zero | Failure |
| P6 | Correct input | Positive number less than 1000 | Success |
| P7 | Correct input | Bigger than or equal to 1000 | Failure |

(non-admin mode)

|  |  |  |
| --- | --- | --- |
| Partition | Amount | Output |
| P8 | Negative number | Failure |
| P9 | Zero | Failure |
| P10 | Positive number less than 1000 | Success |
| P11 | Bigger than or equal to 1000 | Failure |