**Test Plan – Ticketing System GUI**

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| |  | | --- | | **Test ID** |  |  | | --- | |  | | |  | | --- | | **Test Case** |  |  | | --- | |  | | |  | | --- | | **Expected Result** |  |  | | --- | |  | | |  | | --- | | **Actual Result** |  |  | | --- | |  | | | **Pass / Fail** | | --- |  |  | | --- | |  | |
| |  | | --- | | TC001 |  |  | | --- | |  | | |  | | --- | | Login to the respective dashboard (Vendor) |  |  | | --- | |  | | |  | | --- | | Vendor is successfully redirected to the Vendor Dashboard upon entering valid credentials. |  |  | | --- | |  | | |  | | --- | | Vendor is successfully redirected to the Vendor Dashboard upon entering valid credentials. |  |  | | --- | |  | | Pass |
| TC002 | |  | | --- | | Vendor creates an event with necessary information |  |  | | --- | |  | | |  | | --- | | Event is successfully created and displayed with the given information in the Vendor Dashboard. |  |  | | --- | |  | | |  | | --- | | Event is successfully created and displayed with the given information in the Vendor Dashboard. |  |  | | --- | |  | | Pass |
| TC003 | |  | | --- | | Vendor presses the "Start Sale" button |  |  | | --- | |  | | |  | | --- | | The "Sale Active" status changes from No to Yes. |  |  | | --- | |  | | |  | | --- | | The "Sale Active" status changes from No to Yes. |  |  | | --- | |  | | Pass |
| TC004 | |  | | --- | | Vendor presses the "Release Tickets" button |  |  | | --- | |  | | |  | | --- | | Tickets are added to the pool according to the given release rate. After all tickets are released, the "Released Tickets" status is updated to reflect the number of released tickets. |  |  | | --- | |  | | |  | | --- | | Tickets are added to the pool according to the given release rate. After all tickets are released, the "Released Tickets" status is updated to reflect the number of released tickets. |  |  | | --- | |  | | Pass |
| TC005 | Vendor goes to "My Events" section | All events created by the vendor are displayed with their respective details | All events created by the vendor are displayed with their respective details | Pass |
| TC006 | |  | | --- | | Login to the respective dashboard (Customer) |  |  | | --- | |  | | |  | | --- | | Customer is successfully redirected to the Customer Dashboard upon entering valid credentials. |  |  | | --- | |  | | |  | | --- | | Customer is successfully redirected to the Customer Dashboard upon entering valid credentials. |  |  | | --- | |  | | Pass |
| TC007 | |  | | --- | | Customer goes to "Events" section |  |  | | --- | |  | | |  | | --- | | All events created by vendors are displayed |  |  | | --- | |  | | |  | | --- | | All events created by vendors are displayed |  |  | | --- | |  | | Pass |
| TC008 | |  | | --- | | Customer presses the "Buy Ticket" button of an event |  |  | | --- | |  | | |  | | --- | | A ticket is successfully purchased for the event. |  |  | | --- | |  | | |  | | --- | | A ticket is successfully purchased for the event. |  |  | | --- | |  | | Pass |
| TC009 | Customer purchases a ticket | |  | | --- | | The "Sold Tickets" number in the event details on the Vendor Dashboard is updated to reflect the purchase. |  |  | | --- | |  | | |  | | --- | | The "Sold Tickets" number in the event details on the Vendor Dashboard is updated to reflect the purchase. |  |  | | --- | |  | | Pass |
| TC010 | |  | | --- | | Customer goes to "My Tickets" section |  |  | | --- | |  | | |  | | --- | | All tickets purchased by the customer are displayed with their respective details. |  |  | | --- | |  | | |  | | --- | | All tickets purchased by the customer are displayed with their respective details. |  |  | | --- | |  | | Pass |
| TC011 | |  | | --- | | Vendor goes to "Tickets Sold" section |  |  | | --- | |  | | |  | | --- | | All sold tickets are displayed with their respective details. |  |  | | --- | |  | | |  | | --- | | All sold tickets are displayed with their respective details. |  |  | | --- | |  | | Pass |
| TC012 | |  | | --- | | Vendor goes to "My Events" section and presses the "View" button of an event |  |  | | --- | |  | | |  | | --- | | The event is displayed with details. |  |  | | --- | |  | | The event is displayed with details.   |  | | --- | |  | | Pass |

**Test Plan – Ticketing System CLI**

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| --- | --- | --- | --- | --- |
| **Test ID** | **Test Case** | **Expected Result** | **Actual Result** | **Pass / Fail** |
| TC001 | |  | | --- | | Input valid configuration values for all parameters. |  |  | | --- | |  | | |  | | --- | | System initializes correctly and starts vendor/customer threads. Logs actions. |  |  | | --- | |  | | |  | | --- | | System initializes correctly and starts vendor/customer threads. Logs actions. |  |  | | --- | |  | | Pass |
| TC002 | |  | | --- | | Input negative value for totalTickets. |  |  | | --- | |  | | |  | | --- | | Displays "Invalid input. Total tickets must be a positive integer." and re-prompts for input. |  |  | | --- | |  | | |  | | --- | | Displays "Invalid input. Total tickets must be a positive integer." and re-prompts for input. |  |  | | --- | |  | | Pass |
| TC003 | |  | | --- | | Input a non-integer value for any parameter (e.g., "abc"). |  |  | | --- | |  | | |  | | --- | | Displays "Invalid input. Please enter a valid integer." and re-prompts for input. |  |  | | --- | |  | | |  | | --- | | Displays "Invalid input. Please enter a valid integer." and re-prompts for input. |  |  | | --- | |  | | Pass |
| TC004 | |  | | --- | | Verify console output matches the log file for thread actions (e.g., "Vendor-1 added X tickets"). |  |  | | --- | |  | | |  | | --- | | Console output and log file contain the same actions and timestamps for each operation. |  |  | | --- | |  | | |  | | --- | | Console output and log file contain the same actions and timestamps for each operation. |  |  | | --- | |  | | Pass |