➤ **TESTING :**

**Test Cases :**

| Test case ID | Feature Type | Component | Test Scenario | Steps To Execute | Expected Result | Actual Result | Status |
|---|---|---|---|---|---|---|---|
| LoginPage _TC_OO1 | Functional | Home Page | Verify user is able to see the Login/Sign up popup when user clicked on My account button | 1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Sing up popup displayed or not | Login/Sig nup popup should display | Working as expected | Pass |
| LoginPage _TC_OO2 | UI | dashboa rd page | verify user is able to see airport report in dashboa rd page | 1.Airstat dashboard will be displayed. 2.Check if each tab can able to access. 3.Click on the required dataset. 4.OBtain the report | required visualisat ion will be display ed on the dashboa rd | working as expected | pass |

**User Acceptance Testing :**

**Defect Analysis:**

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved.

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|---|---|---|---|---|---|
| By Design | 10 | 4 | 2 | 3 | 20 |
| Duplicate | 1 | 0 | 3 | 0 | 4 |
| External | 2 | 3 | 0 | 1 | 6 |
| Fixed | 11 | 2 | 4 | 20 | 37 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 1 | 1 | 2 |
| Won't Fix | 0 | 5 | 2 | 1 | 8 |
| Totals | 24 | 14 | 13 | 26 | 77 |

**Test Case Analysis :**

This report shows the number of test cases that have passed, failed, and untested

| Section | Total Cases | Not Tested | Fail | Pass |
|---|---|---|---|---|
| Print Engine | 7 | 0 | 0 | 7 |
| Client Application | 51 | 0 | 0 | 51 |
| Security | 2 | 0 | 0 | 2 |
| Outsource Shipping | 3 | 0 | 0 | 3 |
| Exception Reporting | 9 | 0 | 0 | 9 |
| Final Report Output | 4 | 0 | 0 | 4 |
| Version Control | 2 | 0 | 0 | 2 |

➤ **RESULTS :**

**Performance Metrics :**

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Screenshot / Values |
|---|---|---|
| 1. | Dashboard design | No of Visulizations / Graphs - 18 |
| 2. | Data Responsiveness | It shows the output when any of the dataset is selected. |
| 3. | Utilization of Data Filters | Various filter methods were used to filter the dataset values like sort,top or bottom,format data etc.., |
| 4. | Effective User Story | No of tabs Added - 5 |
| 5. | Descriptive Reports | No of Visulizations / Graphs -18 |

➤ **ADVANTAGES & DISADVANTAGES :**

**advantages :**

- It improves the average turnaround time needed to cater to market trends

- Properly implemented data modules help flight operators bag more customers and profits

- Predictive analytics is the key to preparing for future crises and put a mitigation plan in place

- It helps businesses make data-backed and more informed policy decisions

- Not just sales and customer service, data analytics play a vital role in flight operations and maintenance too