**1-Introduction:**

**Purpose:-**To verify the seamless operation like from booking to arrival.

**Scope:-**Flight Scheduling, Reservation system, Ticketing and payment, Check- in and boarding, baggage, Inflight services, crew management, flight tracking , and feedback.

**2-Objectives and Task:-**

* Test both functional and non functional requirements.
* Verify the correct booking process and ticketing and easy check-in and security screening.
* Verify the safe boarding and baggage handing process.
* Test the aircraft maintenance protocol
* Identify the bugs before deployment and validate the integration between different modules.

**Task:-**

Develop test case and scripts, verify the defect report and verify the bug fixes and perform the regression.

**3-Test Strategy:-**

* Unit testing:-Developers perform on each module.
* Integration testing :-Verify the communication between each module like from booking to payment and then check in.
* System testing:-End – to – end.
* Regression :-At every bug fix.
* Performance testing :-Load, scalability and stress testing .
* Security testing :-Protection against cyber threats and unauthorized access.
* UAT(User Acceptance testing ):-Final testing with real world scenario.

**4-Test Deliverables :-**

* Test plan document
* Test Cases.
* Test summary report.
* Defect record.
* Final sign off

**5-Test Approach :-**

* Manual testing
* Automation testing with selenium

**6-Entry and Exit Criteria:-**

**Entry:-**

All modules are developed and unit tested.

Test Environment is set up and accessible.

Test case reviewed and approved.

**Exit :-**

All high priority test case is passed.

No open defects.

User Acceptance Testing Sign off.

**7-Schedule and Risk :-**

* Test Planning
* Test Design
* Environment setup and Test execution
* Regression
* User Acceptance Testing.

**Risk:-** Delay in execution, Time taking to bug fix and regression and technical issue.