# **Airplane Test Plan Assignment**

1. Objectives
2. App meets functional and non-functional requirements
3. System should perform well under loads
4. It should have secure booking
5. It should have check in process
6. Compatible cross browser and cross platform
7. Scope
   1. User Registration
   2. User Login
   3. Flight search
   4. Flight Booking
   5. Payment wall
   6. Check-in process
   7. Generate boarding PASS
   8. SMS/Email/Push notifications
8. Test Methodology: It is to validate that the aircraft meets all safety, regulatory, functional, and performance requirements.
9. Approach: Agile and Spiral model
10. Assumption
    1. Design process
    2. Environment – an env will be available to execute test cases
    3. Testing – all test cases are executed
    4. Data analysis – all test data will be created by Dev team
    5. Schedule – will have sufficient time
11. Risks
    1. Test env setup delay -
    2. Change in requirements
12. Mitigation plan
    1. Test env – communicate with dev team for env
    2. Change of requirements – conduct requirement reviews
13. Role and Responsibility
    1. QA Engineer
    2. QA lead
    3. Developer
    4. Product Developer
14. Schedule
    1. Test Planning
    2. Test case
    3. Test case execution
    4. Defect Testing
    5. User acceptance testing
15. Defect tracking

Defect detection -> defect Logging -> Defect Priority -> Defect assignment -> Defect fixing -> Defect testing -> Closure

1. Test Environments
   1. Dev env – Developer Unit testing
   2. QA env – System testing
   3. UAT env – Client approval
   4. Production env – Actual user Testing
2. Entry and Exit criteria
   1. Entry – test env, test cases, code deployment to QA
   2. Exit – 100% execution of test cases, No defects, Test report
3. Test Automation
   1. Automate smoke and sanity test
   2. Daily test runs
   3. API testing
   4. Test
4. Effort Estimation
   1. Requirement analysis – 2 days
   2. Test Planning – 2 days
   3. Test case Design – 2days
   4. Test case review – 1 day
   5. Env setup – 1 day
   6. Manual test – 7 days
   7. Regression testing – 5
   8. Defect reports – Ongoing process
   9. Automation – 7 days
   10. Performance testing – 3 days
   11. Closure – 1 day
5. Test Deliverables
   1. Test Plan document
   2. Test cases document
   3. Automation script documents
   4. Daily test report
   5. Defect Logging report
6. Template
   1. Test id
   2. Test scenario
   3. Test case
   4. Pre - condition
   5. Test data
   6. Test steps
   7. Expected Result
   8. Actual result
   9. Status
   10. Severity
   11. Priority
   12. Module
   13. Environment
   14. Tested By
   15. Test date
   16. Defect ID
   17. Comments