Overview
'Flight' MVP is a powerful tool providing customers with the ability to check flights by different operators, comparing prices, dates etc.

In Scope Objectives:
The objective of the MVP test is to verify that the key functionality of the 'Flight' MVP works according to the specification.
The key features (most important areas) of the system to be tested:

- Search for flights including one-way trip, round-trip and multi-city trip options.
- Sort by different input parameters like total costs, quickness etc.
- Filter flights by different options including but not limited to flight operator, seats available etc.
- Include additional fees to the booking.
- Check whether flight prices in the Flight MVP corresponds to the final flight costs on the operator(s) website(s).

Deliverables after MVP and before full testing process:

- Test Plan, Functional Test Cases, Test Reports.

Levels of testing (approaches):

- API testing focuses on the determination, if the developed APIs meet expectations regarding the functionality, reliability, performance, and security of the application.
- Integration Testing validates the non-defect interaction of the individual product components (search flights/sort flights/filter flights/add fees).
- During Functional Testing, QA squad will test the key functionality of the MVP: possibility to search, sort, filter flights along with adding fees.
- UAT must validate the business logic and should be performed by end users (in case this option is available).
- Performance Testing should determine the speed, responsiveness and stability of Flight MVP.
- Security Testing (optional, should this be the case) ensures confidentiality, integrity, authentication, availability, authorization and non – repudiation.
- Mobile Testing ensures adaptability and agility.
- Regression Testing (should MVP be incorporated into existing functionality).

Test management environment and tools:

- for example, JIRA for tasks and Zephyr for test-cases.

Work distribution model:
Senior QA / Team Lead:

- Develop test strategy and test plan along with test conditions, cases.
- Provide guidance on the identifying, documenting and prioritizing and managing defects.
- Participate in each status meeting, prepare general testing metrics and update status to PM.
- Facilitate defect communication between testing squad and development squad.
- Testing important areas including prices' correspondence.

Middle QA:

- Develop test cases/automation scripts
- Perform execution and validation, test important areas including search, sort, filter flights and adding fees.
- Identify, report and prioritize defects according to the guidance provided by the Team Lead.

Junior QA:

- Execute test cases.
- Test important areas including search, sort, filter flights and adding fees.
- Identify, report defects, re-test after software modifications have been made.

Risks:

- All the risks step out an one-page test strategy and should definitely include clauses from schedule, resources, scope, possible defects to even natural disasters.