1. **Introduction**
   1. ***Test Objectives***

**The objectives of this testing is to validate some of the methods in the system working correctly and their isolation.**

* 1. ***Scope Of Testing***

**The unit test include the “saleByAge” method int and all the gets() and sets() methods in “passenger” class. Other classes like “Flight” is excluded because it’s structure and contents are similar to “passenger” class. Given “TicketSystem” class, due to its fields are not public, they are not able to work in another package, so it si also exclued.**

1. **Approach**

* **All unit tests will be automated using Junit5**
* **Each test cases will be isolated, ensuring no dependencies on external system.**
  1. ***Assumption/Constraints***
     1. **Assumptions**
* **All the planned methods will be ready for unit test on March 21, 2025.**
* **The negative intergal of age will not be successfully tested because of the code provided**
  + 1. **Constraints**
* **After the combination of buyticket class and chooseticket class The Access Modifiers of fields in the new class prevents us to test their related methods in anther package**
  1. ***Test Tools***

**Junit5 is applied in this unit testing.**

1. **Plan**
   1. ***Test Team***
   2. ***Test Environment***
2. **Test Procedures**
   1. ***Test Execution***
      1. ***Test Cases***