1) **Boundary value analysis**

   Requirement: “The user must provide a valid age and be older than 16 when creating a profile.”
   Invalid partitioning: < 16
   Valid partitioning: 16-150

2) **Equivalence class partitioning**

   Choosing multiway and one-way destinations. To choose a one-way destination the user must provide two destinations – start and end. Providing one will result in not being able to book a valid ticket. More than two destinations is what we consider as a multiway trip, however the user should be able to book a total of 6 destinations or a maximum of 4 intermittent stops.

Invalid	Invalid	Valid	Invalid
<0	0 1	1 6	6 <
Portion 1	Portion 2	Portion 3	Portion 4

3) **Decision table testing**

   Dynamic pricing calculation for family user
   Case 1: Family user with child in rush hour for one-way trip
   Case 2: Family user with child in normal hour for one-way trip.
   Case 3: Family user without child in rush hour for one-way trip.
   Case 4: Family user without child in normal hour for one-way trip.

   Legend:

   T – condition

   F – condition

   O – one discount applied

   B – both discounts applied

   N – no discount applied

Condition	Case 1	Case 2	Case 3	Case 4
With child	T	T	F	F
In rush hour	T	F	T	F
Output	O	B	N	O

4) **State transition testing**

Online payment procedure