# Description and Execution of Test Cases for calculateTicketPrice

## Input Conditions:

* Travel Time:
* Peak time (08:00 to 09:30 and 16:00 to 19:30)
* Off-peak time (any other time)

## Discount Conditions:

* Senior card holder
* Traveling with a child
* Traveling with a child and having a family card
* None of the above

## Test Cases:

1. No Discounts Applied During Peak Time

* Input: Travel during peak time with no discounts.
* Expected Outcome: No discounts are applied, price remains unchanged.

1. Basic Time-Based Discount Applied

* Input: Travel during off-peak time with no additional discounts.
* Expected Outcome: A 5% discount is applied to the base price.

1. Senior Discount Applied Outside Peak Time

* Input: Travel during off-peak time with a senior card.
* Expected Outcome: A 34% discount is applied, overriding the basic time-based discount.

1. Child Discount Applied Regardless of Time

* Input: Travel during peak time with a child but no family card.
* Expected Outcome: A 10% discount is applied, regardless of peak time.

1. Family Card Discount Applied Regardless of Time

* Input: Travel during peak time with a child and a family card.
* Expected Outcome: A 50% discount is applied, overriding other discounts.

# Описание и изпълнение на Test Case с помощта на

# техниката таблица с решения

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Conditions** | Test case 1 | Test case 2 | Test case 3 | Test case 4 | Test case 5 |
| Travel Time is Peak (1 = True, 0 = False) | 1 | 0 | 0 | 1 | 1 |
| Has Senior Card (1 = True, 0 = False) | 0 | 0 | 1 | 0 | 0 |
| Is Traveling With Child (1 = True, 0 = False) | 0 | 0 | 0 | 1 | 1 |
| Has Family Card (1 = True, 0 = False) | 0 | 0 | 0 | 0 | 1 |
| Output Matches Expected (1 = True, 0 = False) | 1 | 1 | 1 | 1 | 1 |