# SDV502 Unit Test Assignment 1 Test Schedule

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## Public Void Adult\_Before\_5

This function takes a quantity, age category, day, and time, checks if the time is before 5, checks if the quantity is either 1 else greater than 1 then multiplies it, and returns the ticket price based on quantity.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Adult, on Saturday at 3pm | Accepted | Pass |
| 2 Adults, Monday at 12pm | Accepted | Pass |
| 1 Adult, Wednesday at 6pm | Unaccepted | Pass |
| 2 Children, Sunday at 2pm | Unaccepted | Pass |
| 3 Adults, Tuesday at 8pm | Unaccepted | Pass |
| 0 Adults, Friday at 5pm | Unaccepted | Pass |
| 6 Adults, Thursday at 5pm | Unaccepted | Pass (the test passed but I don’t think it should have) |
| 28 Adults, Friday at 11am | Accepted | Pass |

The test carried out at 5pm are a bit iffy because does it really count as before or after 5pm if it exactly 5pm? It should technically be unaccepted but this test passes it.

## Public Void Adult\_After\_5

This function takes a quantity, age category, day, and time, checks if the time is after 5, checks if the quantity is either 1 else greater than 1 then multiplies it, and returns the ticket price based on quantity.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Adult, on Saturday at 3pm | Unaccepted | Pass |
| 2 Adults, Monday at 12pm | Unaccepted | Pass |
| 1 Adult, Wednesday at 6pm | Accepted | Pass |
| 2 Children, Sunday at 2pm | Accepted | Pass |
| 3 Adults, Tuesday at 8pm | Accepted | Pass |
| 0 Adults, Friday at 5pm | Accepted | Pass |
| 6 Adults, Thursday at 5pm | Accepted | Pass |
| 28 Adults, Friday at 11am | Unaccepted | Pass |

## Public Void Adult\_Tuesday

This function takes a quantity, age category, day, and time, checks if the day is Tuesday, checks if the quantity is either 1 else greater than 1 then multiplies it, and returns the ticket price based on quantity.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Adult on Tuesday | Accepted | Pass |
| 2 Adults on Monday | Unaccepted | Pass |
| 1 Adult, Wednesday | Unaccepted | Pass |
| 2 Children, Sunday | Unaccepted | Pass |
| 3 Adults, Tuesday | Accepted | Pass |
| 0 Adults, Friday | Unaccepted | Pass |
| 6 Adults, Tuesday | Accepted | Pass |
| 28 Adults, Friday at 11am | Unaccepted | Pass |

## Public Void Child\_Under\_16

This function takes a quantity and age category and multiples that by the ticket price and returns the output.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 2 Children | Accepted | Pass |
| 2 Adults | Unaccepted | Pass |
| 1 Senior | Unaccepted | Pass |
| 0 Children | Unaccepted | Pass |
| 300 Children | Accepted | Pass |

## Public Void Senior

This function takes a quantity and age category and multiples that by the ticket price and returns the output.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 2 Children | Unaccepted | Pass |
| 76 Seniors | Accepted | Pass |
| 0 Seniors | Unaccepted | Pass |
| 1 Adult | Unaccepted | Pass |

## Public Void Student

This function takes a quantity and age category and multiples that by the ticket price and returns the output.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Child | Unaccepted | Pass |
| 15 Students | Accepted | Pass |
| 0 Students | Unaccepted | Pass |

## Public Void Family\_Pass

This function takes a ticket quantity, number of adults, number of children, checks if the numbers are aligned to multiples of the amount of adults/children the family pass allows for, then returns the output based on quantity.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Pass, 1 Adult, 3 Children | Accepted | Pass |
| 1 Pass, 2 Adults, 2 Children | Accepted | Pass |
| 2 Passes, 4 Adults, 4 Children | Accepted | Pass |
| 3 Passes, 3 Adults, 9 Children | Accepted | Pass |
| 1 Pass, 3 Adults, 2 Children | Unaccepted | Pass |
| 2 Passes, 5 Adults, 7 Children | Unaccepted | Pass |
| 1 Pass, 4 Adults, 0 Children | Unaccepted | Pass |

## Public Void Chick\_Flick\_Thursday

This function takes a quantity, age category, and day and multiples that by the ticket price and returns the output.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1 Adult, Thursday | Accepted | Pass |
| 2 Adults, Monday | Unaccepted | Pass |
| 1 Adult, Wednesday | Unaccepted | Pass |
| 2 Children, Sunday | Unaccepted | Pass |
| 0 Adults, Thursday | Unaccepted | Pass |
| 6 Adults, Thursday | Accepted | Pass |
| 28 Adults, Friday | Unaccepted | Pass |

## Public Void Kids\_Carers

This function takes a quantity, day, and Boolean based on if it is a holiday, and returns the output.

|  |  |  |
| --- | --- | --- |
| Unit Test/Test Case | Expected | Result |
| 1, Wednesday, true | Accepted | Pass |
| 2, Monday, true | Unaccepted | Pass |
| 3, Wednesday, true | Accepted | Pass |
| 0, Friday, false | Unaccepted | Pass |
| 1, Wednesday, false | Unaccepted | Pass |