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SDV502

## Assessment One : Nunit Testing Documentation

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#### 1. Adult before five tests: Adult\_Before\_5( args, ... )

Inputs:types = quantity:int, person:string, day:string, time:dec

Output:type = result:bool

status	quantity	person	day	time
acceptable	> 0	adult	non-tues	< 5
unacceptable	<= 0	non-adult	tues	>= 5

state to test	quantity	person	day	time	expected result	pass/fail
1 adult, before 5, not tues	1	adult	mon	4	14.50	pass
2 adults, before 5, not tues	2	adult	mon	4	29.00	pass
0 adults, before 5, not tues	0	adult	mon	4	-1	pass
1 student, before 5, not tues	1	student	mon	4	-1	pass
1 adult, after 5, not tues	1	adult	mon	6	-1	pass
1 adult, before 5, tues	1	adult	tues	4	-1	pass

## 2. Adult after five tests: Adult\_After\_5( args, ... )

Inputs:types = quantity:int, person:string, day:string, time:dec

Output:type = result:bool

status	quantity	person	day	time
acceptable	> 0	adult	non-tues	>= 5
unacceptable	<= 0	non-adult	tues	< 5

state to test	quantity	person	day	time	expected result	pass/fail
1 adult, after5, not tues	1	adult	Mon	6	17.50	pass
2 adults, after 5, not tues	2	adult	mon	6	35.00	pass
0 adults, after 5, not tues	0	adult	mon	6	-1	pass
1 student, after 5, not tues	1	student	mon	6	-1	pass
1 adult, before 5, not tues	1	adult	mon	4	-1	pass
1 adult, after 5, tues	1	adult	tues	6	-1	pass

### 3. Adult on Tuesday tests: Adult\_Tuesday( args, ... )

Inputs:types = quantity:int, person:string, day:string

Output:type = result:bool

status	quantity	person	day
acceptable	> 0	adult	tues
unacceptable	<= 0	non-adult	non-tues

state to test	quantity	person	day	time	expected result	pass/fail
1 adult, tues	1	adult	tues	4	13.00	pass
2 adults, tues	2	adult	tues	4	26.00	pass
0 adults, tues	0	adult	tues	4	-1	pass
1 senior, tues	1	student	tues	4	-1	pass
1 adult, not tues	1	adult	mon	6	-1	pass

### 4. Child tests: Child\_Tuesday( args, ... )

Inputs:types = quantity:int, person:string

Output:type = result:bool

status	quantity	person
acceptable	> 0	child
unacceptable	<= 0	non-child

state to test	quantity	person	expected result	pass/fail
1 child	1	child	12.00	pass
2 children	2	child	24.00	pass
0 child	0	child	-1	pass
1 senior	1	senior	-1	pass
1 student	1	student	-1	pass

### 5. Student tests: Student( args, ... )

Inputs:types = quantity:int, person:string

Output:type = result:bool

status	quantity	person
acceptable	> 0	student
unacceptable	<= 0	non-student

state to test	quantity	person	expected result	pass/fail
1 student	1	student	14.00	pass
2 students	2	student	28.00	pass
0 student	0	student	-1	pass
1 senior	1	senior	-1	pass
1 adult	1	adultt	-1	pass

## 6. Senior tests: Senior( args, ... )

Inputs:types = quantity:int, person:string

Output:type = result:bool

status	quantity	person
acceptable	> 0	senior
unacceptable	<= 0	non-senior

state to test	quantity	person	expected result	pass/fail
1 seniort	1	senior	12.00	pass
2 seniors	2	senior	24.00	pass
0 senior	0	senior	-1	pass
1 child	1	child	-1	pass
1 adult	1	student	-1	pass

## 7. Chick Flick Thursday tests: Chick\_Flick\_Thursdays( args, ... )

Inputs:types = quantity:int, person:string, day:string

Output:type = result:dec

status	quantity	person	day
acceptable	> 0	adult	thurs
unacceptable	<= 0	non-adult	non-thurs

state to test	quantity	person	day	expected result	pass/fail
1 adult, thurs	1	adult	thurs	21.50	pass
2 adults, thurs	2	adult	thurs	43.00	pass
0 adults, thurs	0	adult	thurs	-1	pass
1 child, thurs	1	child	thurs	-1	pass
1 student, thurs	1	student	thurs	-1	pass

## 8. Kids Careers tests: Kids\_Careers( args, ... )

Inputs: types = quantity:int, day:string, holiday:bool

Output: type = result:bool

status	quantity	day	holiday
acceptable	> 0	wed	false
unacceptable	<= 0	non-wed	true

state to test	quantity	day	holiday	expected result	pass/fail
1, wed, not holiday	1	wed	false	12.00	pass
2, wed, not holiday	2	wed	false	24.00	pass
0, wed, not holiday	0	wed	false	-1	pass
1, wed, holiday	1	wed	true	-1	pass
1, thurs, not holiday	1	thurs	false	-1	pass