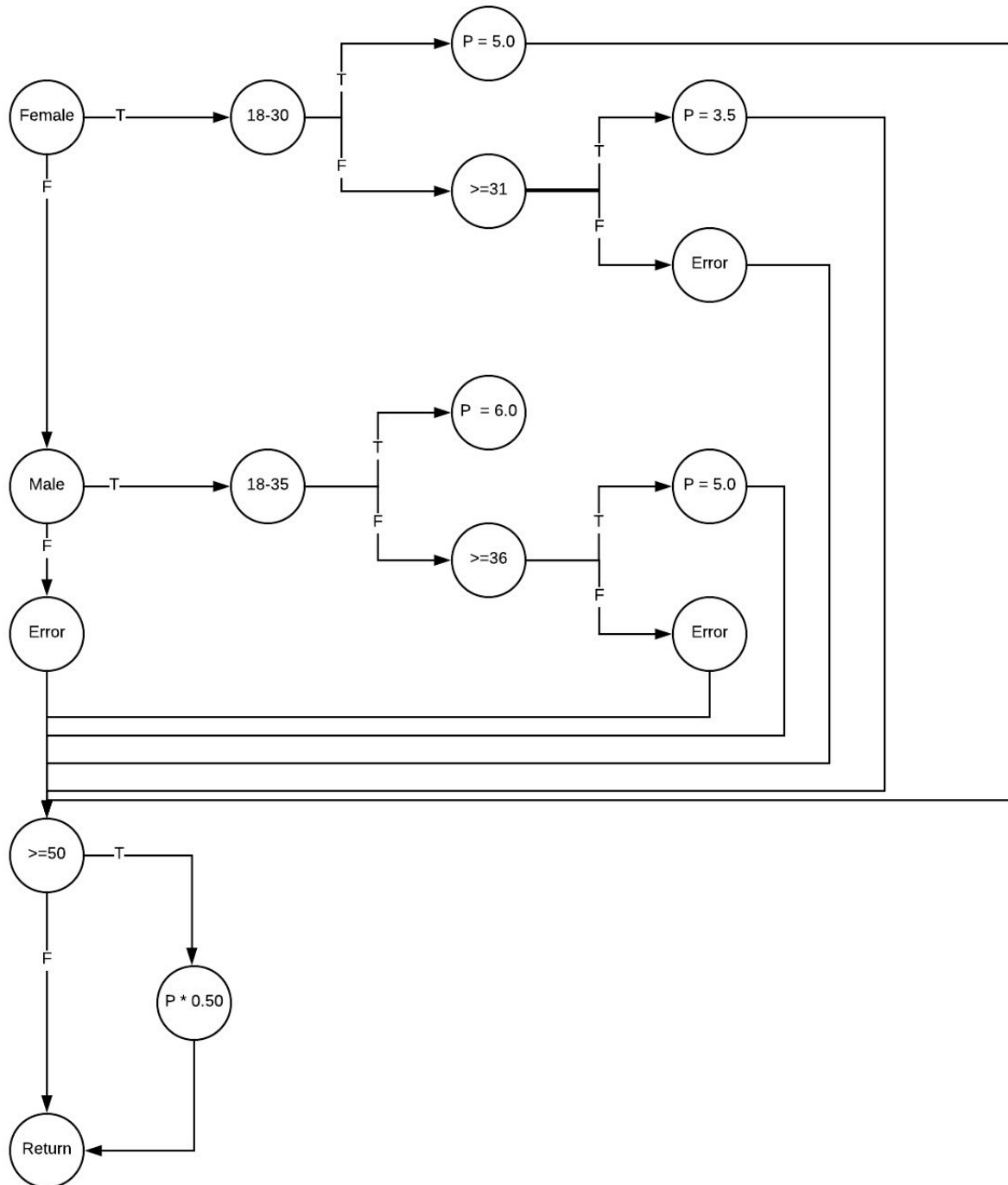


Software Quality And Testing

Group Members: Colin Masterson - S00161418
 Shane Moran - S00162488

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Flow Graph



Cyclomatic Complexity ($E - N + 2 (P)$)

21 Edges, 16 Nodes and 1 Output

$$21 - 16 + 2 (1) = 7$$

White Box Test Cases

#	Data	Expected	Status
1	Female, 18	$P = 5.0$	
2	Female, 30	$P = 5.0$	
3	Female, 31	$P = 3.50$	
4	Male, 18	$P = 6.0$	
5	Male, 35	$P = 6.0$	
6	Male, 36	$P = 5.0$	
7	Male, 50	$P = 5.0 * 0.50 = 3.50$	
8	Female, 50	$P = 3.50 * 0.50 = 1.25$	

Equivalence Partitioning

#	Data	Expected	Status
1	Female, 15	Error	Invalid
2	Female, 25	$P = 5.0$	Valid
3	Female, 50	$P = 3.50 * 0.50 = 1.75$	Valid
4	Male, 15	Error	Invalid
5	Male, 25	$P = 6.0$	Valid
6	Male, 50	$P = 5.0 * 0.50 = 2.50$	Valid

Boundary Value Analysis


Female Boundary Values

#	Data	Expected	Status
1	Female, 17	Error	Invalid
2	Female, 18	$P = 5.0$	Valid
3	Female, 19	$P = 5.0$	Valid
4	Female, 29	$P = 5.0$	Valid
5	Female, 30	$P = 5.0$	Valid
6	Female, 31	$P = 3.50$	Valid
7	Female, 49	$P = 3.50$	Valid
8	Female, 50	$P = 3.50 * 0.50$	Valid
9	Female, 51	$P = 3.50 * 0.50$	Valid

Male Boundary Values

#	Data	Expected	Status
1	Male, 17	Error	Invalid
2	Male, 18	$P = 6.0$	Valid
3	Male, 19	$P = 6.0$	Valid
4	Male, 29	$P = 6.0$	Valid
5	Male, 30	$P = 6.0$	Valid
6	Male, 31	$P = 5.0$	Valid
7	Male, 49	$P = 5.0$	Valid
8	Male, 50	$P = 5.0 * 0.50$	Valid
9	Male, 51	$P = 5.0 * 0.50$	Valid

FitNesse Testing

 [Test](#) [Edit](#) [Add ▾](#) [Tools ▾](#)

assignment
QualityTesting

variable defined: COMMAND_PATTERN=%m -r fitness.fitserver.FitServer,fit\fit.dll %p
variable defined: TEST_RUNNER=fit\Runner.exe
classpath: C:\Users\Colin\Desktop\SoftwareQualityTesting\QTesting\QTesting\bin\QTesting.dll

QTesting.Premium		
age	gender	premium
15	female	0.0
25	female	5.0
50	fmeale	1.75
15	male	0.0
25	male	6.0
50	male	2.5

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