

Assignment 4 – Debugging

Replication

Test Name	BugTest_001			
Bug Test Tested:	Player cannot reach betting limit.			
Test Description:	Limit set to 0, but game ends with player still with 5 (dollars) remaining.			
Pre-conditions	The player starts playing whenever the player's money is more than zero.			
Post-conditions	The player is not allowed to play any further when the amount goes to zero.			
Notes:	Limit set to 0, but game ends with player still with 5 (dollars) remaining.			
Result (Pass/Fail/Warning/In complete)	FAIL			
	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	Run the Program	The program starts running with no problem(s)	PASS	
2.	Player Betting Start	Player starts betting while he has more than zero dollars and the player starts the betting with no problems	PASS	
3.	Player Betting End	The player should be able to bet until the money is zero		FAIL

workspace - Java - CasinoGame/src/src/Main.java - Eclipse

File Edit Source Refactor Navigate Search Project Run

Package Explorer Console

```
<terminated> Main (7) [Java Application] C:\Program Files\Java
Rolled DIAMOND, CLUB, HEART
Fred won 5, balance now 20

Turn 33: Fred bet 5 on ANCHOR
Rolled DIAMOND, CLUB, HEART
Fred lost, balance now 15

Turn 34: Fred bet 5 on HEART
Rolled DIAMOND, CLUB, HEART
Fred won 5, balance now 15

Turn 35: Fred bet 5 on ANCHOR
Rolled DIAMOND, CLUB, HEART
Fred lost, balance now 10

Turn 36: Fred bet 5 on DIAMOND
Rolled DIAMOND, CLUB, HEART
Fred won 5, balance now 10

Turn 37: Fred bet 5 on HEART
Rolled DIAMOND, CLUB, HEART
Fred won 5, balance now 10

Turn 38: Fred bet 5 on ANCHOR
Rolled DIAMOND, CLUB, HEART
Fred lost, balance now 5

38 turns later.
End Game 99: Fred now has balance 5

Win count = 2789, Lose Count = 1900, 0.59
```

**Fred still has balance
of \$5 but the
program doesn't
allow him to play.**

workspace - Java - CasinoGame/src/src/Main.java - Eclipse

File Edit Source Refactor Navigate Search Project Run

Package Explorer Console

```
Main (7) [Java Application] C:\Program Files\Java\jre1.8.0_101\bin
Turn 38: Fred bet 5 on CLUB
Rolled CLUB, DIAMOND, DIAMOND
Fred won 5, balance now 25

Turn 39: Fred bet 5 on ANCHOR
Rolled CLUB, DIAMOND, DIAMOND
Fred lost, balance now 20

Turn 40: Fred bet 5 on ANCHOR
Rolled CLUB, DIAMOND, DIAMOND
Fred lost, balance now 15

Turn 41: Fred bet 5 on DIAMOND
Rolled CLUB, DIAMOND, DIAMOND
Fred won 10, balance now 20

Turn 42: Fred bet 5 on ANCHOR
Rolled CLUB, DIAMOND, DIAMOND
Fred lost, balance now 15

Turn 43: Fred bet 5 on ANCHOR
Rolled CLUB, DIAMOND, DIAMOND
Fred lost, balance now 10

Turn 44: Fred bet 5 on HEART
Rolled CLUB, DIAMOND, DIAMOND
Fred lost, balance now 5

44 turns later.
End Game 99: Fred now has balance 5

Win count = 1874, Lose Count = 2853, 0.40
```