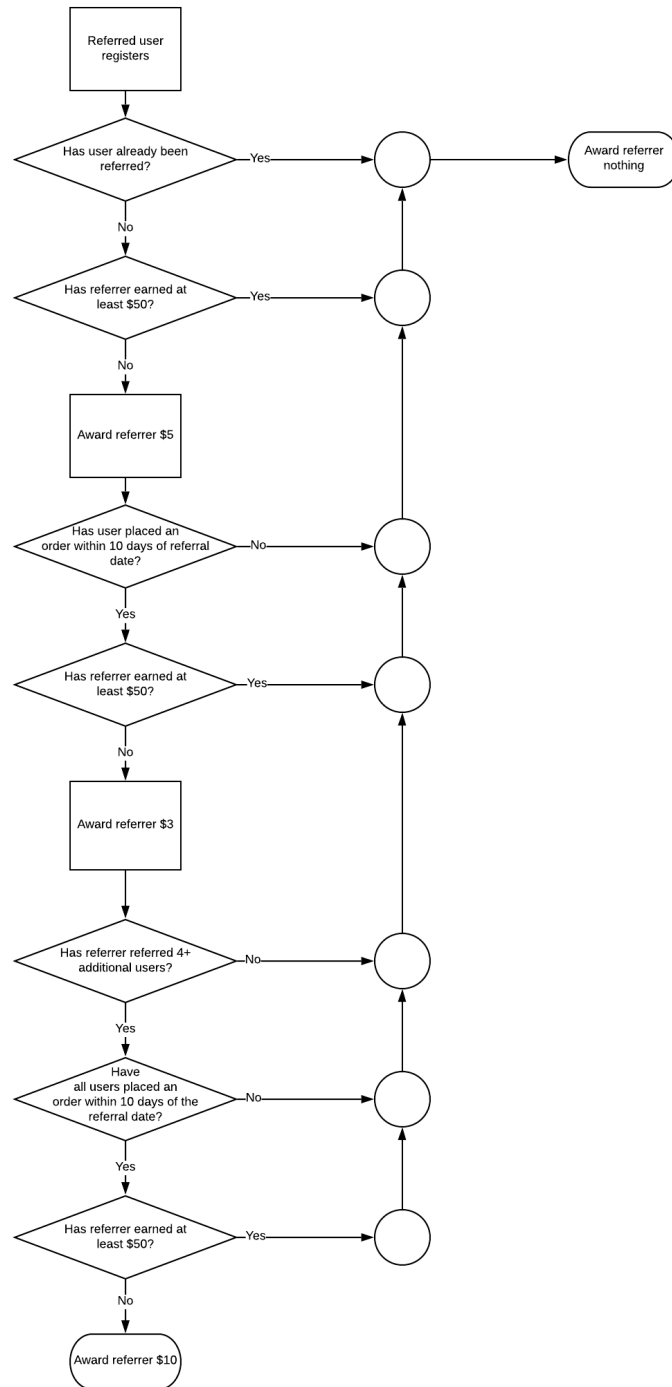


Functional Testing - Decision Tables

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1 Workflow Diagram



2 Decision Table (After Column Reduction)

Conditions	Values	Rules or Combinations				
		1	2	3	4	5
C_1 : User is already referred	Y, N	Y	N	N	N	N
C_2 : Referrer has earned at least \$50	Y, N	—	Y	N	N	N
C_3 : Referred user places an order within 10 days	Y, N	—	—	N	Y	Y
C_4 : Referrer has referred 4+ additional users and all place an order within 10 days	Y, N	—	—	—	N	Y
Effects						
E_1 : Award referrer nothing		1	1			
E_2 : Award referrer \$5				1	1	1
E_3 : Award referrer \$3					2	2
E_4 : Award referrer \$10						3

3 Scenarios

3.1 Scenario 1

Suppose:

- User is already referred
- Referrer has not earned at least \$50
- Referred user places an order within 10 days
- Referrer has not referred 4+ additional users

Using the decision table, this scenario falls under rule 1. C_1 is true, and the remaining conditions do not have an impact on the final effect: E_1 .

3.2 Scenario 2

Suppose:

- User is not already referred
- Referrer has earned at least \$50
- Referred user places an order within 10 days
- Referrer has not referred 4+ additional users

Using the decision table, this scenario falls under rule 2. C_1 is false, C_2 is true, and the remaining conditions do not have an impact on the final effect: E_1 .

3.3 Scenario 3

Suppose:

- User is not already referred
- Referrer has not earned at least \$50
- Referred user does not place an order within 10 days
- Referrer has not referred 4+ additional users

Using the decision table, this scenario falls under rule 3. C_1 , C_2 , and C_3 are false, and the remaining condition does not have an impact on the final effect: E_2 .