Personal Budget tracker

ENSE 375 Project

Decision tables Testing

In order to perform decision tables testing for out budget tracker, we'll need to identify the all the necessary conditions stubs and entries that our budget tracker must satisfy alongside the actions stubs and outcomes that will result from these conditions.

Condition Stubs (addEntry method)

1. C1: Type = income
2. C2: Type = expense
3. C3: Type = invalid
4. C4: Category is valid
5. C5: Amount > 0
6. C6: financial entry added

Action Stubs (addEntry method)

1. A1: Display "invalid type"
2. A2: Display "invalid entry"
3. A3: Display "Entry added"
4. A4: Display valid categories list
5. A5: prompt user for category source
6. A6: prompt user for amount

Given the above condition and action stubs we'll simplify our decision table by focusing on a subset of scenarios that cover the core functionalities of the budget tracker.

Conditions:

Test cases: (T = true, F= false, "-" Don't care states)

Conditions	Rule1	Rule2	Rule3	Rule4	Rule5	Rule6	Rule7
C1	T	F	F	F	F	F	F
C2	F	T	F	T	T	T	T
C3	F	F	T	F	F	F	F
C4	-	T	-	F	T	T	F
C5	T	T	-	T	F	T	T
C6	T	T	-	F	F	T	F

Actions:

Conditions	Rule1	Rule2	Rule3	Rule4	Rule5	Rule6	Rule7
A1	-	-	X	-	-	-	-
A2	-	-	-	X	X	-	X
A3	X	X	-	-	-	X	-
A4	-	X	-	X	X	X	X
A5	X	X	-	X	X	X	X
A6	X	X	-	X	X	X	X