

Nick Lovera

Partitions ControllerDeposit.java

Partition ID	Input variable	Valid partition	Invalid partition
D.1	amountDeposit	$0 < \text{amountDeposit}$	
D.2	amountDeposit		$\text{amountDeposit} \leq 0$
D.3	amountDeposit		Is not numerical
D.4	detailsDeposit	String of any kind	
D.5	detailsDeposit	Empty String	
D.6	detailsDeposit		Null String

Test Case Specifications [ControllerDepositTest.java]

Test ID	Test inputs	Expected output	Partition ID covered
1	amountDeposit = 200	True	D.1
2	amountDeposit = 50000	True	D.1
3	amountDeposit = 0	False	D.2
4	amountDeposit = -200	False	D.2
5	amountDeposit = abc	False	D.3
6	detailsDeposit = "rent money"	True	D.4
7	detailsDeposit = "sk;dfbgaSugbq;ghe424"	True	D.4
8	detailsDeposit = ""	True	D.5
9	detailsDeposit = null	False	D.6

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Partitions ControllerWithdrawal.java

Partition ID	Input variable	Valid partition	Invalid partition
W.1	amountWithdrawal	$0 < \text{amountWithdrawal}$	
W.2	amountWithdrawal		$\text{amountWithdrawal} \leq 0$
W.3	amountWithdrawal		Is not numerical
W.4	detailsWithdrawal	String of any kind	
W.5	detailsWithdrawal	Empty String	
W.6	detailsWithdrawal		Null String

Test Case Specifications [ControllerWithdrawalTest.java]

1	amountWithdrawal = 200	True	W.1
2	amountWithdrawal = 50000	True	W.1
3	amountWithdrawal = 0	False	W.2
4	amountWithdrawal = -200	False	W.2
5	amountWithdrawal = abc	False	W.3
6	detailsWithdrawal = "paying rent"	True	W.4
7	detailsWithdrawal = "sk;dfbaSugbq;ghe424"	True	W.4
8	detailsWithdrawal = ""	True	W.5
9	detailsWithdrawal = null	False	W.6

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Partition (controllerTransfer.java)

Partition ID	Input variable	Valid partition	Invalid partition
1	amountTransfer	amountTransfer > 0	-----
2	amountTransfer	-----	amountTransfer <= 0
3	amountTransfer	-----	amountTransfer is not numeric
4	amountTransfer	-----	Empty string
5	amountTransfer	-----	Null
6	detailsAmount	String of any kind	-----
7	detailsAmount	Empty string	-----
8	detailsAmount	-----	null
9	receivingAccount	String match existent account	-----
10	receivingAccount	-----	String of non-existent account in DB
11	receivingAccount	-----	Empty string
12	receivingAccount	-----	null

Test specification (controllerTransfer.java)

Test ID	Test inputs	Expected outputs	Partition ID covered
1	amountTransfer = 100	True	1
2	amountTransfer = -100	False	2
3	amountTransfer = 0	False	2
4	amountTransfer = 'str'	False	3
5	amountTransfer = ''	False	4
6	amountTransfer = null	False	5
7	detailsAmount = 'transferring'	True	6
6	detailsAmount = ''	True	7
7	detailsAmount = null	False	8
8	receivingAccount = '00001'	True	9
9	receivingAccount = '00234'	False	10
10	receivingAccount = ''	False	11
11	receivingAccount = null	False	12

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Partition (controllerLogin.java)

Partition ID	Input variable	Valid partition	Invalid partition
1	Username	String match existent user	-----
2	Username	-----	String of non-existent user
3	Username	-----	Null
4	Username	-----	Empty string
5	Password	String match existent user's password	-----
6	Password	-----	Wrong password for given user
7	Password	-----	Null
8	Password	-----	Empty string

Test specification (controllerLogin.java)

Test ID	Test inputs	Expected outputs	Partition ID covered
1	userName = 'user1'	True	1
2	userName = 'whatever'	False	2
3	userName = null	False	3
4	userName = ""	False	4
5	password = '12345' for 'user1'	True	5
6	password = '123456' for 'user1'	False	6
7	password = null for 'user1'	False	7
8	password = "" for 'user1'	False	8

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Partitions [ControllerExpense.java]:

Partition ID	Input Variable	Valid Partition	Invalid Partition
1	Expense amount	Amount >= 0	-
2	Expense amount	Amount is a number	-
3	Expense amount	-	Amount = 0
4	Expense amount	-	Amount < 0
5	Expense amount		Amount is alphanumerical
6	Expense details	Details is alphanumerical	-
7	Expense details		Details is null
8	Expense details	Details is empty string	-

Test Case Specifications [ControllerExpenseTest.java]

Test ID	Test inputs	Expected output	Partition ID
1	Expense = 300	true	1
2	Expense = 0	False	3
3	Expense = -76	False	4
4	Expense = test09	False	2, 5
5	Details = Test 01	True	6
6	Details = null	False	7
7	Details = ""	True	8

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Partition [ControllerDetails.java]

Partition ID	Input	Valid Partition	Invalid Partition
1	Savings Goal	Goal is a number	
2	Savings Goal		Goal is alphanumerical
3	Savings Goal	Goal > 0	
4	Savings Goal		Goal <= 0
5	Income	Income is a number	
6	Income		Income is alphanumerical
7	Income	Income >= 0	
8	Income		Income < 0
9	Income Day	31>= day > 0	
10	Income Day		Day == 0

Test Case Specifications [ControllerDetailsTest.java]

Test ID	Test inputs	Expected output	Partition ID
1	Goal = 200	True	1, 3
2	Goal = test01	False	2
3	Goal = -10	False	4
4	Income = 150	True	5, 7
5	Income = test02	False	6
6	Income = -100	False	8
7	Income Day = 16	True	9
8	Income Day = 0	False	10

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Partition [Controller Login[create user]]:

Partition ID	Input	Valid Partition	Invalid Partition
1	Name	Is a non-empty string	
2	Name		Is empty
3	Name		Is null
4	Last Name	Is a non-empty string	
5	Last Name		Is empty
6	Last Name		Is null
7	Username	Is an alphanumerical string	
8	Username		Username is Empty String
9	Username		Username is null
10	Username	Non exiting username	
11	Username		Existing username
12	Password	Password is an alphanumerical string	
13	Password		Password is Empty
14	Password		Password is null
15	PIN	Pin is numerical	
16	PIN		PIN is alphanumerical
17	PIN		PIN is empty
18	PIN		PIN is null
19	PIN	Pin length = 4	
20	PIN		Pin length > 4
21	PIN		Pin length < 4

Test Case Specifications: [ControllerLoginTest.java] (create user):

Test ID	Test input	Expected output	Partition ID
1	Name = Luke	True	1
2	Name = ""	False	2
3	Name = null	False	3
4	Last = Skywalker	True	4
5	Last = ""	False	5
6	Last = null	False	6
7	Username = luke01	True	7
8	Username = ""	False	8
9	Username = null	False	9
10	Password = "test01"	True	12
11	Password = ""	False	13
12	Password = null	False	14
13	PIN = 1234	True	15, 19
14	PIN = 12ab	False	16
15	PIN = ""	False	17
16	PIN = null	False	18
17	PIN = 12345	False	20
18	PIN = 123	False	21

