

## Test Plan for case 1-5

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### **Testing Process:**

Our testing will consist of creating transactions with varied names, types, amounts, and categories and ensuring that the transaction stored in the class reflects what was given to the create\_transaction method.

### **Requirements Traceability:**

When a transaction has been created using the create\_transaction method, the parameters passed to the function should be equivalent to the values stored in the class's internal transaction data. This will be verified by comparing the values and asserting their equivalence.

### **Tests:**

**Test ID:** 001

**Component:** Create Transaction in Finance Activity

**Method:** create\_transaction(self, name="", type='debit', amount=0, category="", date=datetime.date.today())

**Inputs:** trans1, credit, 100, test

**Expected:** self.data.transactions[0] == {

    'id': 0,

    'name': trans1,

    'type': credit,

    'amount': 100,

```
        'date': datetime.date.today().toordinal(),  
        'category': test  
    }
```

**Test ID:** 002

**Component:** Create Transaction in Finance Activity

**Method:** create\_transaction(self, name="", type='debit', amount=0, category="",  
date=datetime.date.today())

**Inputs:** trans2, credit, -100, test

**Expected:** self.data.transactions[1] == {  
 'id': 1,  
 'name': trans2,  
 'type': credit,  
 'amount': -100,  
 'date': datetime.date.today().toordinal(),  
 'category': test  
}

**Test ID:** 003

**Component:** Create Transaction in Finance Activity

**Method:** create\_transaction(self, name="", type='debit', amount=0, category="",  
date=datetime.date.today())

**Inputs:** trans1, debit, 100, test

**Expected:** self.data.transactions[2] == {  
 'id': 3,  
 'name': trans3,

```
        'type': debit,
        'amount': 100,
        'date': datetime.date.today().toordinal(),
        'category': test
    }
```

**Test ID:** 004

**Component:** Create Transaction in Finance Activity

**Method:** create\_transaction(self, name="", type='debit', amount=0, category="",  
date=datetime.date.today())

**Inputs:** trans4, debit, -100, test

**Expected:** self.data.transactions[3] == {

```
    'id': 3,
    'name': trans4,
    'type': debit,
    'amount': -100,
    'date': datetime.date.today().toordinal(),
    'category': test
}
```

**Test ID:** 005

**Component:** Create Transaction in Finance Activity

**Method:** create\_transaction(self, name="", type='debit', amount=0, category="",  
date=datetime.date.today())

**Inputs:** trans1, credit, .003, test

**Expected:** self.data.transactions[4] == {

```
    'id': 4,
```

```
'name': trans5,  
'type': credit,  
'amount': .003,  
'date': datetime.date.today().toordinal(),  
'category': test  
}
```

**Testing Schedule:**

Testing should be functional by the 14th of October 2015.