





RemoteTestRunner

hw4\_baseline

VARIABLES

- Local
  - this: TestExample#31
    - controller: ExpenseTrackerController#33
      - filter: null
    - model: ExpenseTrackerModel#36
      - listeners: ArrayList#53 size=1
        - matchedFilterIndices: ArrayList#54 size=0
      - transactions: ArrayList#55 size=1
      - view: ExpenseTrackerView#37
    - model: ExpenseTrackerModel#36
      - listeners: ArrayList#53 size=1
        - ExpenseTrackerView#37
          - matchedFilterIndices: ArrayList#54 size=0
      - transactions: ArrayList#55 size=1
      - view: ExpenseTrackerView#37

WATCH

CALL STACK

BREAKPOINTS

- Uncaught Exceptions
- Caught Exceptions
- TestExample.java expense\_tracker/test
- TestExample.java expense\_tracker/test
- TestExample.java expense\_tracker/test

ExpenseTrackerModel.java

TestExample.java

```
@Test
public void testUndoAddTransaction() {
    // This is new test case 6: For the Controller
    //
    // Setup
    controller.addTransaction(amount:50.00, category:"food"); controller = ExpenseTrackerController#33

    // Check pre-conditions
    assertEquals(expected:1, model.getTransactions().size()); model = ExpenseTrackerModel#36

    // Call the unit under test
    boolean statusCode = controller.undoTransaction(rowIndex:0);

    // Check the post-conditions
    assertEquals(statusCode, actual:true);

    // After undoing the transaction, check if the transaction is removed
    assertEquals(expected:0, model.getTransactions().size());
    assertEquals(expected:0.0, getTotalCost(), delta:0.01);
}
```

Expense Tracker

Amount: 50.0 Category: food Add Transaction

serial	Amount	Category	Date
1	50.0	food	05-12-2023 20:42
Total	50.0		

Filter by Amount Filter by Category Undo

RemoteTestRunner

hw4\_baseline

VARIABLES

- Local
  - statusCode: true
  - this: TestExample#31
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        - matchedFilterIndices: ArrayList#54 size=0
      - transactions: ArrayList#55 size=0
      - view: ExpenseTrackerView#37
    - model: ExpenseTrackerModel#36
      - listeners: ArrayList#53 size=1
        - ExpenseTrackerView#37
          - matchedFilterIndices: ArrayList#54 size=0
      - transactions: ArrayList#55 size=0
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TestExample.java

```
@Test
public void testUndoAddTransaction() {
    // This is new test case 6: For the Controller
    //
    // Setup
    controller.addTransaction(amount:50.00, category:"food"); controller = ExpenseTrackerController#33

    // Check pre-conditions
    assertEquals(expected:1, model.getTransactions().size()); model = ExpenseTrackerModel#36

    // Call the unit under test
    boolean statusCode = controller.undoTransaction(rowIndex:0); statusCode = true;

    // Check the post-conditions
    assertEquals(statusCode, actual:true); statusCode = true

    // After undoing the transaction, check if the transaction is removed
    assertEquals(expected:0, model.getTransactions().size()); model = ExpenseTrackerModel#36
    assertEquals(expected:0.0, getTotalCost(), delta:0.01);
}
```

Expense Tracker

Amount: Category: Add Transaction

serial	Amount	Category	Date
Total	0.0		

Filter by Amount Filter by Category Undo