Static Analysis Report

For each module:

1. Django Lint 2.0.4 report on trading_system module

************** Module trading_system.settings
W: 1,0: Missing required field 'MANAGERS'
W: 1,0: Missing required field 'ADMINS'
W: 1,0: Missing required field 'TEMPLATE_DEBUG'
W: 1,0: Missing required field 'MIDDLEWARE_CLASSES'

2. Django Lint 2.0.4 report on user module

************** Module users.models
W: 17,19:OrderHistory: initial_time: Nullable CharField or TextField
W: 17,19:OrderHistory: initial_time: Field is nullable but blank=False
W: 20,19:OrderHistory: trading_logs: Nullable CharField or TextField
W: 20,19:OrderHistory: trading_logs: Field is nullable but blank=False
W: 23,25:OrderHistory: remaining_quantity: Field is nullable but blank=False
W: 24,10:OrderHistory: pnl: Field is nullable but blank=False
W: 29,11:OrderHistory: user: ForeignKey missing related_name
W: 78,4:OrderHistory.__str__: Use __unicode__ instead of __str__
W: 61,4:OrderHistory.as_json: Method should come after standard model methods

3. Django lint 2.0.4 reports nothing on dashboard, history, sessionmanager

For each file:
1. Pylint 0.28.0 report on dashboard

No config file found, using default configuration
************** Module dashboard
C: 1,0: Missing docstring
************** Module dashboard.admin
C: 1,0: Missing docstring
W: 1,0: Unused import admin
************** Module dashboard.apps
C: 1,0: Missing docstring
C: 4,0:DashboardConfig: Missing docstring
************** Module dashboard.models
C: 1,0: Missing docstring
W: 1,0: Unused import models
************** Module dashboard.tests

C: 1,0: Missing docstring
W: 1,0: Unused import TestCase
************** Module dashboard.urls
C: 1,0: Missing docstring
C: 5,0: Invalid name "urlpatterns" for type constant (should match
((([A-Z_][A-Z0-9_]*)|(__.*__))$)
************** Module dashboard.views
W: 25,0: Found indentation with tabs instead of spaces
W: 26,0: Found indentation with tabs instead of spaces
W: 27,0: Found indentation with tabs instead of spaces
W: 28,0: Found indentation with tabs instead of spaces
W: 31,0: Found indentation with tabs instead of spaces
W: 31,0: Unnecessary semicolon
C: 1,0: Missing docstring
C: 10,0:dashboard: Missing docstring
W: 25,1:dashboard: Unused variable 'username'
W: 26,1:dashboard: Unused variable 'userid'
W: 27,1:dashboard: Unused variable 'email'
C: 30,0:test: Missing docstring
W: 2,0: Unused import loader
W: 2,0: Unused import Context
W: 5,0: Unused import logout
************** Module dashboard.migrations
C: 1,0: Missing docstring

Report
======
22 statements analysed.

Raw metrics

```
+----------+-------+------+---------+-----------+
|type      |number |%     |previous |difference |
+==========+=======+======+=========+===========+
|code      |26     |48.15 |26       |=          |
+----------+-------+------+---------+-----------+
|docstring |0      |0.00  |0        |=          |
+----------+-------+------+---------+-----------+
|comment   |14     |25.93 |14       |=          |
+----------+-------+------+---------+-----------+
|empty     |14     |25.93 |14       |=          |
```

```
+----------+-------+------+---------+-----------+
```

Statistics by type

```
+---------+-------+-----------+-----------+------------+---------+
|type     |number |old number |difference |%documented |%badname |
+=========+=======+===========+===========+============+=========+
|module   |8      |8          |=          |0.00        |0.00     |
+---------+-------+-----------+-----------+------------+---------+
|class    |1      |1          |=          |0.00        |0.00     |
+---------+-------+-----------+-----------+------------+---------+
|method   |0      |0          |=          |0           |0        |
+---------+-------+-----------+-----------+------------+---------+
|function |2      |2          |=          |0.00        |0.00     |
+---------+-------+-----------+-----------+------------+---------+
```

Duplication

```
+------------------------+------+---------+-----------+
|                        |now   |previous |difference |
+========================+======+=========+===========+
|nb duplicated lines     |0     |0        |=          |
+------------------------+------+---------+-----------+
|percent duplicated lines |0.000 |0.000   |=          |
+------------------------+------+---------+-----------+
```

Messages by category

```
+-----------+-------+---------+-----------+
|type       |number |previous |difference |
+===========+=======+=========+===========+
|convention |12     |12       |=          |
+-----------+-------+---------+-----------+
|refactor   |0      |0        |=          |
```

```
+-----------+-------+---------+-----------+
|warning    |15     |15       |=          |
+-----------+-------+---------+-----------+
|error      |0      |0        |=          |
+-----------+-------+---------+-----------+
```

% errors / warnings by module

```
+-----------------+------+--------+---------+-----------+
|module           |error |warning |refactor |convention |
+=================+======+========+=========+===========+
|dashboard.views  |0.00  |80.00   |0.00     |25.00      |
+-----------------+------+--------+---------+-----------+
|dashboard.tests  |0.00  |6.67    |0.00     |8.33       |
+-----------------+------+--------+---------+-----------+
|dashboard.models |0.00  |6.67    |0.00     |8.33       |
+-----------------+------+--------+---------+-----------+
|dashboard.admin  |0.00  |6.67    |0.00     |8.33       |
+-----------------+------+--------+---------+-----------+
```

Messages

```
+-----------+------------+
|message id |occurrences |
+===========+============+
|C0111      |11          |
+-----------+------------+
|W0611      |6           |
+-----------+------------+
|W0312      |5           |
+-----------+------------+
|W0612      |3           |
+-----------+------------+
|W0301      |1           |
+-----------+------------+
|C0103      |1           |
+-----------+------------+
```

Global evaluation

Your code has been rated at -2.27/10 (previous run: -2.27/10)

External dependencies

::

    django
      \-apps
      | \-AppConfig (dashboard.apps)
      \-conf
      | \-urls
      | \-url (dashboard.urls)
      \-contrib
      | \-admin (dashboard.admin)
      | \-auth
      | \-decorators
      | | \-login_required (dashboard.views)
      | \-logout (dashboard.views)
      \-db
      | \-models (dashboard.models)
      \-shortcuts
      | \-render (dashboard.views)
      | \-render_to_response (dashboard.views)
      \-template
      | \-Context (dashboard.views)
      | \-loader (dashboard.views)
      \-test
        \-TestCase (dashboard.tests)

    2. Pylint 0.28.0 report on history

No config file found, using default configuration
************* Module history
C: 1,0: Missing docstring
************* Module history.admin
C: 1,0: Missing docstring
W: 1,0: Unused import admin
************* Module history.apps

C: 1,0: Missing docstring
C: 4,0:HistoryConfig: Missing docstring
************* Module history.models
C: 1,0: Missing docstring
W: 1,0: Unused import models
************* Module history.tests
C: 1,0: Missing docstring
W: 1,0: Unused import TestCase
************* Module history.urls
C: 1,0: Missing docstring
C: 5,0: Invalid name "urlpatterns" for type constant (should match
(([A-Z_][A-Z0-9_]*)|(__.*__))$)
************* Module history.views
W: 12,0: Found indentation with tabs instead of spaces
W: 13,0: Found indentation with tabs instead of spaces
W: 14,0: Found indentation with tabs instead of spaces
C: 16,0: Line too long (83/80)
W: 19,0: Found indentation with tabs instead of spaces
W: 20,0: Found indentation with tabs instead of spaces
W: 21,0: Found indentation with tabs instead of spaces
W: 21,0: Unnecessary semicolon
W: 42,0: Found indentation with tabs instead of spaces
W: 43,0: Found indentation with tabs instead of spaces
W: 45,0: Found indentation with tabs instead of spaces
C: 1,0: Missing docstring
C: 9,0:history: Missing docstring
E: 19,10:history: Class 'OrderHistory' has no 'objects' member
W: 21,1:history: Unused variable 'username'
W: 6,0: Unused import json
W: 5,0: Unused import serializers
W: 3,0: Unused import User
************* Module history.migrations
C: 1,0: Missing docstring

Report
======
25 statements analysed.

Statistics by type

+---------+-------+-----------+-----------+------------+---------+

type	number	old number	difference	%documented	%badname
module	8	NC	NC	0.00	0.00
class	1	NC	NC	0.00	0.00
method	0	NC	NC	0	0
function	1	NC	NC	0.00	0.00

Raw metrics
----

type	number	%	previous	difference
code	28	43.75	NC	NC
docstring	0	0.00	NC	NC
comment	22	34.38	NC	NC
empty	14	21.88	NC	NC

Duplication
----

	now	previous	difference
nb duplicated lines	0	NC	NC
percent duplicated lines	0.000	NC	NC

Messages by category
----

type	number	previous	difference
============	========	==========	============
convention	12	0	+12.00
refactor	0	0	=
warning	17	0	+17.00
error	1	0	+1.00

% errors / warnings by module
----

module	error	warning	refactor	convention
===============	========	=========	==========	============
history.views	100.00	82.35	0.00	25.00
history.tests	0.00	5.88	0.00	8.33
history.models	0.00	5.88	0.00	8.33
history.admin	0.00	5.88	0.00	8.33

Messages
----

message id	occurrences
============	=============
C0111	10
W0312	9

```
+-----------+------------+
|W0611      |6          |
+-----------+------------+
|W0612      |1          |
+-----------+------------+
|W0301      |1          |
+-----------+------------+
|E1101      |1          |
+-----------+------------+
|C0301      |1          |
+-----------+------------+
|C0103      |1          |
+-----------+------------+
```

Global evaluation

Your code has been rated at -3.60/10

External dependencies

::

    django
      \-apps
      | \-AppConfig (history.apps)
      \-conf
      | \-urls
      | \-url (history.urls)
      \-contrib
      | \-admin (history.admin)
      | \-auth
      | \-models
      | \-User (history.views)
      \-core
      | \-serializers (history.views)
      \-db
      | \-models (history.models)
      \-shortcuts
      | \-render (history.views)
      \-test
        \-TestCase (history.tests)
```

users
  \-models
    \-OrderHistory (history.views)


3.  Pylint 0.28.0 report on sessionmanager


No config file found, using default configuration
************* Module sessionmanager
C:  1,0: Missing docstring
************* Module sessionmanager.admin
C:  1,0: Missing docstring
W:  1,0: Unused import admin
************* Module sessionmanager.apps
C:  1,0: Missing docstring
C:  4,0:SessionmanagerConfig: Missing docstring
************* Module sessionmanager.models
C:  1,0: Missing docstring
W:  1,0: Unused import models
************* Module sessionmanager.sessionmanager
C: 32,0: Line too long (82/80)
C: 53,0: Line too long (94/80)
C: 75,0: Line too long (88/80)
C: 80,0: Line too long (117/80)
C: 90,0: Line too long (97/80)
C:124,0: Line too long (102/80)
C:125,0: Line too long (91/80)
C:128,0: Line too long (170/80)
C:201,0: Line too long (108/80)
C:205,0: Line too long (96/80)
C:236,0: Line too long (92/80)
C:316,0: Line too long (98/80)
C:333,0: Line too long (90/80)
C:357,0: Line too long (125/80)
C:423,0: Line too long (101/80)
W:439,0: Unnecessary semicolon
W:440,0: Unnecessary semicolon
W:441,0: Unnecessary semicolon
C:  1,0: Missing docstring
E:  7,0: No name 'request' in module 'urllib'
R: 18,0:SessionManager: Too many instance attributes (13/7)
C: 31,8:SessionManager.__init__: Invalid name "QUERY" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)

C: 32,8:SessionManager.__init__: Invalid name "ORDER" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 18,0:SessionManager: Missing docstring
E: 45,20:SessionManager.set_user: Instance of 'UserManager' has no 'get' member
E: 87,8:SessionManager.reset: Instance of 'list' has no 'clear' member
E: 88,8:SessionManager.reset: Instance of 'list' has no 'clear' member
C: 97,4:SessionManager.set_channel: Missing docstring
C:101,4:SessionManager.removeSession: Invalid name "removeSession" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C:101,4:SessionManager.removeSession: Missing docstring
C:133,4:SessionManager.add_session: Missing docstring
C:140,4:SessionManager.resume_canceled_session: Missing docstring
E:227,12:SessionManager.run: Instance of 'list' has no 'clear' member
E:228,12:SessionManager.run: Instance of 'list' has no 'clear' member
W: 45,8:SessionManager.set_user: Attribute 'user' defined outside __init__
R:235,0:Session: Too many instance attributes (14/7)
C:235,0:Session: Missing docstring
R:236,4:Session.__init__: Too many arguments (7/5)
C:263,4:Session.set_init_timestamp: Missing docstring
C:292,8:Session.trade: Invalid name "ORDER" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
W:292,8:Session.trade: Unused variable 'ORDER'
C:327,4:Session.execute_order: Missing docstring
C:331,8:Session.execute_order: Invalid name "ORDER" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
W:336,16:Session.execute_order: Used * or ** magic
W:279,12:Session.set_bid_window: Attribute 'bid_window' defined outside __init__
C:382,0:ws_disconnect: Missing docstring
W:382,18:ws_disconnect: Unused argument 'message'
C:449,0: Invalid name "sm" for type constant (should match (([A-Z_][A-Z0-9_]*)|(__.*__))$)
W:  1,0: Unused import HttpResponse
************* Module sessionmanager.tests
C: 37,0: Line too long (91/80)
C: 51,0: Line too long (97/80)
C: 69,0: Line too long (91/80)
C:111,0: Line too long (96/80)
C:128,0: Line too long (86/80)
C:138,0: Line too long (96/80)
C:154,0: Line too long (96/80)
C:180,0: Line too long (96/80)
C:194,0: Line too long (86/80)
C:205,0: Line too long (100/80)
C:219,0: Line too long (96/80)

C:  1,0: Missing docstring
E:  3,0: No name 'sessionmanager' in module 'sessionmanager.sessionmanager'
C:  6,0:ViewsTester: Missing docstring
C:  8,4:ViewsTester.test_index_view: Missing docstring
E: 11,11:ViewsTester.test_index_view: Instance of 'WSGIRequest' has no 'status_code' member (but some types could not be inferred)
E: 11,42:ViewsTester.test_index_view: Instance of 'WSGIRequest' has no 'status_code' member (but some types could not be inferred)
R:  6,0:ViewsTester: Too many public methods (67/20)
C: 22,8:SessionManagerUnitTester.setUp: Invalid name "u" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 20,8:SessionManagerUnitTester.setUp: Invalid name "sm" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 17,0:SessionManagerUnitTester: Missing docstring
C: 19,4:SessionManagerUnitTester.setUp: Invalid name "setUp" for type method (should match [a-z_][a-z0-9_]{2,30}$)
E: 22,17:SessionManagerUnitTester.setUp: Instance of 'UserManager' has no 'create' member
C: 37,8:SessionManagerUnitTester.setUp: Invalid name "s" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
C: 40,4:SessionManagerUnitTester.tearDown: Invalid name "tearDown" for type method (should match [a-z_][a-z0-9_]{2,30}$)
E: 48,8:SessionManagerUnitTester.tearDown: Instance of 'list' has no 'clear' member
E: 49,8:SessionManagerUnitTester.tearDown: Instance of 'list' has no 'clear' member
C: 56,4:SessionManagerUnitTester.test_sessionmanager_initialization: Invalid name "test_sessionmanager_initialization" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C: 56,4:SessionManagerUnitTester.test_sessionmanager_initialization: Missing docstring
C: 61,4:SessionManagerUnitTester.test_add_session: Missing docstring
C: 69,8:SessionManagerUnitTester.test_add_session: Invalid name "s" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
C: 79,4:SessionManagerUnitTester.test_remove_session: Missing docstring
C: 90,4:SessionManagerUnitTester.test_quote: Missing docstring
R: 17,0:SessionManagerUnitTester: Too many public methods (70/20)
C:111,8:SessionTester.test_trade_filled: Invalid name "s" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C:101,8:SessionTester.setUp: Invalid name "sm" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 98,0:SessionTester: Missing docstring
C:100,4:SessionTester.setUp: Invalid name "setUp" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C:103,4:SessionTester.test_trade_filled: Missing docstring
W:114,12:SessionTester.test_trade_filled: Unused variable 'quote_json'
C:130,4:SessionTester.test_trade_negative_quantity: Missing docstring
W:139,8:SessionTester.test_trade_negative_quantity: Unused variable 'quote_json'

C:146,4:SessionTester.test_trade_unfilled: Missing docstring
W:157,12:SessionTester.test_trade_unfilled: Unused variable 'quote_json'
C:172,4:SessionTester.test_trade_filled_two: Missing docstring
W:183,12:SessionTester.test_trade_filled_two: Unused variable 'quote_json'
C:196,4:SessionTester.test_trade_zero_quantity: Missing docstring
W:206,12:SessionTester.test_trade_zero_quantity: Unused variable 'quote_json'
C:211,4:SessionTester.test_trade_unfilled_two: Missing docstring
W:222,12:SessionTester.test_trade_unfilled_two: Unused variable 'quote_json'
W:219,8:SessionTester.test_trade_unfilled_two: Attribute 's' defined outside __init__
R: 98,0:SessionTester: Too many public methods (72/20)
************* Module sessionmanager.views
C:  1,0: Missing docstring
W:  1,0: Unused import render
************* Module sessionmanager.migrations
C:  1,0: Missing docstring


Report
======
368 statements analysed.

Statistics by type
------------------


```
+---------+-------+-----------+-----------+------------+---------+
|type     |number |old number |difference |%documented |%badname |
+=========+=======+===========+===========+============+=========+
|module   |8      |NC         |NC         |0.00        |0.00     |
+---------+-------+-----------+-----------+------------+---------+
|class    |6      |NC         |NC         |0.00        |0.00     |
+---------+-------+-----------+-----------+------------+---------+
|method   |29     |NC         |NC         |41.38       |17.24    |
+---------+-------+-----------+-----------+------------+---------+
|function |2      |NC         |NC         |50.00       |0.00     |
+---------+-------+-----------+-----------+------------+---------+
```


Duplication

```
+-------------------------+------+---------+-----------+
|                         |now   |previous |difference |
```

```
+=======================+=====+========+==========+
|nb duplicated lines    |0    |NC      |NC        |
+-----------------------+-----+--------+----------+
|percent duplicated lines |0.000 |NC      |NC        |
+-----------------------+-----+--------+----------+
```

Raw metrics

```
+---------+------+-----+--------+----------+
|type     |number |%    |previous |difference |
+=========+======+=====+========+==========+
|code     |382   |69.20 |NC      |NC        |
+---------+------+-----+--------+----------+
|docstring |69    |12.50 |NC      |NC        |
+---------+------+-----+--------+----------+
|comment   |53    |9.60  |NC      |NC        |
+---------+------+-----+--------+----------+
|empty     |48    |8.70  |NC      |NC        |
+---------+------+-----+--------+----------+
```

Messages by category

```
+-----------+------+--------+----------+
|type       |number |previous |difference |
+===========+======+========+==========+
|convention |74    |0       |+74.00    |
+-----------+------+--------+----------+
|refactor   |6     |0       |+6.00     |
+-----------+------+--------+----------+
|warning    |19    |0       |+19.00    |
+-----------+------+--------+----------+
|error      |12    |0       |+12.00    |
+-----------+------+--------+----------+
```

% errors / warnings by module

----

module	error	warning	refactor	convention
sessionmanager.sessionmanager	50.00	47.37	50.00	41.89
sessionmanager.tests	50.00	36.84	50.00	48.65
sessionmanager.views	0.00	5.26	0.00	1.35
sessionmanager.models	0.00	5.26	0.00	1.35
sessionmanager.admin	0.00	5.26	0.00	1.35

Messages
----

message id	occurrences
C0111	32
C0301	26
C0103	16
E1101	8
W0612	7
W0611	4
W0301	3
W0201	3
R0904	3
R0902	2

```
+-----------+------------+
|E1103      |2           |
+-----------+------------+
|E0611      |2           |
+-----------+------------+
|W0613      |1           |
+-----------+------------+
|W0142      |1           |
+-----------+------------+
|R0913      |1           |
+-----------+------------+
```

Global evaluation

Your code has been rated at 5.68/10

External dependencies

::

    django
      \-apps
      | \-AppConfig (sessionmanager.apps)
      \-contrib
      | \-admin (sessionmanager.admin)
      | \-auth
      | \-models
      | \-User (sessionmanager.tests,sessionmanager.sessionmanager)
      \-core
      | \-mail
      | \-send_mail (sessionmanager.sessionmanager)
      \-db
      | \-models (sessionmanager.models)
      \-http
      | \-HttpResponse (sessionmanager.sessionmanager)
      \-shortcuts
      | \-render (sessionmanager.views)
      \-test
        \-TestCase (sessionmanager.tests)
    users
      \-models
```

      \-OrderHistory (sessionmanager.sessionmanager)
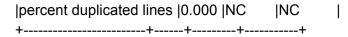
4. Pylint 0.28.0 report on trading_system

No config file found, using default configuration
************* Module sessionmanager
C: 1,0: Missing docstring
************* Module sessionmanager.admin
C: 1,0: Missing docstring
W: 1,0: Unused import admin
************* Module sessionmanager.apps
C: 1,0: Missing docstring
C: 4,0:SessionmanagerConfig: Missing docstring
************* Module sessionmanager.models
C: 1,0: Missing docstring
W: 1,0: Unused import models
************* Module sessionmanager.sessionmanager
C: 32,0: Line too long (82/80)
C: 53,0: Line too long (94/80)
C: 75,0: Line too long (88/80)
C: 80,0: Line too long (117/80)
C: 90,0: Line too long (97/80)
C:124,0: Line too long (102/80)
C:125,0: Line too long (91/80)
C:128,0: Line too long (170/80)
C:201,0: Line too long (108/80)
C:205,0: Line too long (96/80)
C:236,0: Line too long (92/80)
C:316,0: Line too long (98/80)
C:333,0: Line too long (90/80)
C:357,0: Line too long (125/80)
C:423,0: Line too long (101/80)
W:439,0: Unnecessary semicolon
W:440,0: Unnecessary semicolon
W:441,0: Unnecessary semicolon
C: 1,0: Missing docstring
E: 7,0: No name 'request' in module 'urllib'
R: 18,0:SessionManager: Too many instance attributes (13/7)
C: 31,8:SessionManager.__init__: Invalid name "QUERY" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 32,8:SessionManager.__init__: Invalid name "ORDER" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 18,0:SessionManager: Missing docstring

E: 45,20:SessionManager.set_user: Instance of 'UserManager' has no 'get' member
E: 87,8:SessionManager.reset: Instance of 'list' has no 'clear' member
E: 88,8:SessionManager.reset: Instance of 'list' has no 'clear' member
C: 97,4:SessionManager.set_channel: Missing docstring
C:101,4:SessionManager.removeSession: Invalid name "removeSession" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C:101,4:SessionManager.removeSession: Missing docstring
C:133,4:SessionManager.add_session: Missing docstring
C:140,4:SessionManager.resume_canceled_session: Missing docstring
E:227,12:SessionManager.run: Instance of 'list' has no 'clear' member
E:228,12:SessionManager.run: Instance of 'list' has no 'clear' member
W: 45,8:SessionManager.set_user: Attribute 'user' defined outside __init__
R:235,0:Session: Too many instance attributes (14/7)
C:235,0:Session: Missing docstring
R:236,4:Session.__init__: Too many arguments (7/5)
C:263,4:Session.set_init_timestamp: Missing docstring
C:292,8:Session.trade: Invalid name "ORDER" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
W:292,8:Session.trade: Unused variable 'ORDER'
C:327,4:Session.execute_order: Missing docstring
C:331,8:Session.execute_order: Invalid name "ORDER" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
W:336,16:Session.execute_order: Used * or ** magic
W:279,12:Session.set_bid_window: Attribute 'bid_window' defined outside __init__
C:382,0:ws_disconnect: Missing docstring
W:382,18:ws_disconnect: Unused argument 'message'
C:449,0: Invalid name "sm" for type constant (should match (([A-Z_][A-Z0-9_]*)|(__.*__))$)
W: 1,0: Unused import HttpResponse
************* Module sessionmanager.tests
C: 37,0: Line too long (91/80)
C: 51,0: Line too long (97/80)
C: 69,0: Line too long (91/80)
C:111,0: Line too long (96/80)
C:128,0: Line too long (86/80)
C:138,0: Line too long (96/80)
C:154,0: Line too long (96/80)
C:180,0: Line too long (96/80)
C:194,0: Line too long (86/80)
C:205,0: Line too long (100/80)
C:219,0: Line too long (96/80)
C: 1,0: Missing docstring
E: 3,0: No name 'sessionmanager' in module 'sessionmanager.sessionmanager'
C: 6,0:ViewsTester: Missing docstring

C: 8,4:ViewsTester.test_index_view: Missing docstring
E: 11,11:ViewsTester.test_index_view: Instance of 'WSGIRequest' has no 'status_code' member (but some types could not be inferred)
E: 11,42:ViewsTester.test_index_view: Instance of 'WSGIRequest' has no 'status_code' member (but some types could not be inferred)
R: 6,0:ViewsTester: Too many public methods (67/20)
C: 22,8:SessionManagerUnitTester.setUp: Invalid name "u" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 20,8:SessionManagerUnitTester.setUp: Invalid name "sm" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 17,0:SessionManagerUnitTester: Missing docstring
C: 19,4:SessionManagerUnitTester.setUp: Invalid name "setUp" for type method (should match [a-z_][a-z0-9_]{2,30}$)
E: 22,17:SessionManagerUnitTester.setUp: Instance of 'UserManager' has no 'create' member
C: 37,8:SessionManagerUnitTester.setUp: Invalid name "s" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
C: 40,4:SessionManagerUnitTester.tearDown: Invalid name "tearDown" for type method (should match [a-z_][a-z0-9_]{2,30}$)
E: 48,8:SessionManagerUnitTester.tearDown: Instance of 'list' has no 'clear' member
E: 49,8:SessionManagerUnitTester.tearDown: Instance of 'list' has no 'clear' member
C: 56,4:SessionManagerUnitTester.test_sessionmanager_initialization: Invalid name "test_sessionmanager_initialization" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C: 56,4:SessionManagerUnitTester.test_sessionmanager_initialization: Missing docstring
C: 61,4:SessionManagerUnitTester.test_add_session: Missing docstring
C: 69,8:SessionManagerUnitTester.test_add_session: Invalid name "s" for type variable (should match [a-z_][a-z0-9_]{2,30}$)
C: 79,4:SessionManagerUnitTester.test_remove_session: Missing docstring
C: 90,4:SessionManagerUnitTester.test_quote: Missing docstring
R: 17,0:SessionManagerUnitTester: Too many public methods (70/20)
C:111,8:SessionTester.test_trade_filled: Invalid name "s" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C:101,8:SessionTester.setUp: Invalid name "sm" for type attribute (should match [a-z_][a-z0-9_]{2,30}$)
C: 98,0:SessionTester: Missing docstring
C:100,4:SessionTester.setUp: Invalid name "setUp" for type method (should match [a-z_][a-z0-9_]{2,30}$)
C:103,4:SessionTester.test_trade_filled: Missing docstring
W:114,12:SessionTester.test_trade_filled: Unused variable 'quote_json'
C:130,4:SessionTester.test_trade_negative_quantity: Missing docstring
W:139,8:SessionTester.test_trade_negative_quantity: Unused variable 'quote_json'
C:146,4:SessionTester.test_trade_unfilled: Missing docstring
W:157,12:SessionTester.test_trade_unfilled: Unused variable 'quote_json'
C:172,4:SessionTester.test_trade_filled_two: Missing docstring

W:183,12:SessionTester.test_trade_filled_two: Unused variable 'quote_json'
C:196,4:SessionTester.test_trade_zero_quantity: Missing docstring
W:206,12:SessionTester.test_trade_zero_quantity: Unused variable 'quote_json'
C:211,4:SessionTester.test_trade_unfilled_two: Missing docstring
W:222,12:SessionTester.test_trade_unfilled_two: Unused variable 'quote_json'
W:219,8:SessionTester.test_trade_unfilled_two: Attribute 's' defined outside __init__
R: 98,0:SessionTester: Too many public methods (72/20)
************* Module sessionmanager.views
C: 1,0: Missing docstring
W: 1,0: Unused import render
************* Module sessionmanager.migrations
C: 1,0: Missing docstring

Report
======
368 statements analysed.

Statistics by type
----

type	number	old number	difference	%documented	%badname
==========	========	============	============	=============	==========
module	8	NC	NC	0.00	0.00
class	6	NC	NC	0.00	0.00
method	29	NC	NC	41.38	17.24
function	2	NC	NC	50.00	0.00

Duplication
----

	now	previous	difference
=========================	======	==========	============
nb duplicated lines	0	NC	NC

```
|percent duplicated lines |0.000 |NC      |NC        |
+------------------------+------+---------+-----------+
```

Raw metrics

```
+----------+-------+------+---------+-----------+
|type      |number |%     |previous |difference |
+==========+=======+======+=========+===========+
|code      |382    |69.20 |NC       |NC         |
+----------+-------+------+---------+-----------+
|docstring |69     |12.50 |NC       |NC         |
+----------+-------+------+---------+-----------+
|comment   |53     |9.60  |NC       |NC         |
+----------+-------+------+---------+-----------+
|empty     |48     |8.70  |NC       |NC         |
+----------+-------+------+---------+-----------+
```

Messages by category

```
+-----------+-------+---------+-----------+
|type       |number |previous |difference |
+===========+=======+=========+===========+
|convention |74     |0        |+74.00     |
+-----------+-------+---------+-----------+
|refactor   |6      |0        |+6.00      |
+-----------+-------+---------+-----------+
|warning    |19     |0        |+19.00     |
+-----------+-------+---------+-----------+
|error      |12     |0        |+12.00     |
+-----------+-------+---------+-----------+
```

% errors / warnings by module

```
+----------------------------+------+--------+---------+-----------+
```

module	error	warning	refactor	convention
sessionmanager.sessionmanager	50.00	47.37	50.00	41.89
sessionmanager.tests	50.00	36.84	50.00	48.65
sessionmanager.views	0.00	5.26	0.00	1.35
sessionmanager.models	0.00	5.26	0.00	1.35
sessionmanager.admin	0.00	5.26	0.00	1.35

Messages
----

message id	occurrences
C0111	32
C0301	26
C0103	16
E1101	8
W0612	7
W0611	4
W0301	3
W0201	3
R0904	3
R0902	2
E1103	2

```
|E0611     |2          |
+-----------+------------+
|W0613     |1          |
+-----------+------------+
|W0142     |1          |
+-----------+------------+
|R0913     |1          |
+-----------+------------+
```

Global evaluation

Your code has been rated at 5.68/10

External dependencies

::

    django
      \-apps
      | \-AppConfig (sessionmanager.apps)
      \-contrib
      | \-admin (sessionmanager.admin)
      | \-auth
      | \-models
      | \-User (sessionmanager.tests,sessionmanager.sessionmanager)
      \-core
      | \-mail
      | \-send_mail (sessionmanager.sessionmanager)
      \-db
      | \-models (sessionmanager.models)
      \-http
      | \-HttpResponse (sessionmanager.sessionmanager)
      \-shortcuts
      | \-render (sessionmanager.views)
      \-test
        \-TestCase (sessionmanager.tests)
    users
      \-models
        \-OrderHistory (sessionmanager.sessionmanager)
```

Zichengs-MacBook-Pro:trading_system xu2333$ pylint trading_system/
No config file found, using default configuration
************* Module trading_system
C:  1,0: Missing docstring
************* Module trading_system.routing
C:  1,0: Missing docstring
F:  1,0: Unable to import 'channels.routing'
C:  4,0: Invalid name "channel_routing" for type constant (should match
(([A-Z_][A-Z0-9_]*)|(__.*__))$)
************* Module trading_system.settings
C: 97,0: Line too long (91/80)
C:100,0: Line too long (81/80)
C:103,0: Line too long (82/80)
C:106,0: Line too long (83/80)
************* Module trading_system.urls
C: 19,0: Invalid name "urlpatterns" for type constant (should match
(([A-Z_][A-Z0-9_]*)|(__.*__))$)
************* Module trading_system.wsgi
C: 16,0: Invalid name "application" for type constant (should match
(([A-Z_][A-Z0-9_]*)|(__.*__))$)


Report
======
39 statements analysed.

Raw metrics
-----------


+----------+-------+------+---------+-----------+
|type      |number |%     |previous |difference |
+==========+=======+======+=========+===========+
|code      |68     |37.16 |NC       |NC         |
+----------+-------+------+---------+-----------+
|docstring |76     |41.53 |NC       |NC         |
+----------+-------+------+---------+-----------+
|comment   |15     |8.20  |NC       |NC         |
+----------+-------+------+---------+-----------+
|empty     |24     |13.11 |NC       |NC         |
+----------+-------+------+---------+-----------+

## Statistics by type

| type | number | old number | difference | %documented | %badname |
|---------|--------|------------|------------|-------------|----------|
| module | 5 | NC | NC | 60.00 | 0.00 |
| class | 0 | NC | NC | 0 | 0 |
| method | 0 | NC | NC | 0 | 0 |
| function | 0 | NC | NC | 0 | 0 |

## Duplication

| | now | previous | difference |
|------------------------|-------|----------|------------|
| nb duplicated lines | 0 | NC | NC |
| percent duplicated lines | 0.000 | NC | NC |

## Messages by category

| type | number | previous | difference |
|------------|--------|----------|------------|
| convention | 9 | 0 | +9.00 |
| refactor | 0 | 0 | = |
| warning | 0 | 4 | -4.00 |

```
|error     |0    |0     |=       |
+----------+------+--------+----------+
```

Messages

```
+----------+-----------+
|message id |occurrences |
+==========+===========+
|C0301     |4         |
+----------+-----------+
|C0103     |3         |
+----------+-----------+
|C0111     |2         |
+----------+-----------+
|F0401     |1         |
+----------+-----------+
```

Global evaluation

Your code has been rated at 7.69/10

External dependencies

::

```
    django
      \-conf
      | \-urls
      |   \-include (trading_system.urls)
      |   \-url (trading_system.urls)
      \-contrib
      | \-admin (trading_system.urls)
      \-core
        \-wsgi
          \-get_wsgi_application (trading_system.wsgi)
    sessionmanager
      \-sessionmanager
        \-ws_disconnect (trading_system.routing)
```

\-ws_message (trading_system.routing)

5. Pylint 0.28.0 report on users

No config file found, using default configuration
************* Module users
C: 1,0: Missing docstring
************* Module users.admin
C: 7,0: Line too long (94/80)
C: 1,0: Missing docstring
C: 6,0:OrderHistoryAdmin: Missing docstring
R: 6,0:OrderHistoryAdmin: Too many public methods (69/20)
************* Module users.apps
C: 1,0: Missing docstring
C: 4,0:UsersConfig: Missing docstring
************* Module users.models
C: 16,0: Line too long (97/80)
C: 23,0: Line too long (90/80)
C: 34,0: Line too long (98/80)
C: 39,0: Line too long (106/80)
C: 75,0: Line too long (86/80)
C: 1,0: Missing docstring
C: 11,0:OrderHistory: Missing docstring
R: 32,4:OrderHistory.create: Too many arguments (6/5)
C: 32,4:OrderHistory.create: Missing docstring
R: 39,4:OrderHistory.update: Too many arguments (7/5)
C: 39,4:OrderHistory.update: Missing docstring
C: 61,4:OrderHistory.as_json: Missing docstring
E: 79,60:OrderHistory.__str__: Instance of 'ForeignKey' has no 'username' member
************* Module users.tests
C: 1,0: Missing docstring
W: 1,0: Unused import TestCase
************* Module users.urls
C: 1,0: Missing docstring
C: 5,0: Invalid name "urlpatterns" for type constant (should match
(([A-Z_][A-Z0-9_]*)|(__.*__))$)
************* Module users.views
C: 20,0: Line too long (88/80)
W: 23,0: Found indentation with tabs instead of spaces
C: 1,0: Missing docstring
W: 7,0: Reimport 'HttpResponseRedirect' (imported line 2)
C: 9,0:login_view: Missing docstring
C: 25,0:logout_view: Missing docstring

C: 30,0:register_view: Missing docstring
W: 2,0: Unused import Http404
W: 5,0: Unused import render_to_response
************** Module users.migrations
C: 1,0: Missing docstring

Report
======

80 statements analysed.

Statistics by type
----

type	number	old number	difference	%documented	%badname
module	8	NC	NC	0.00	0.00
class	3	NC	NC	0.00	0.00
method	4	NC	NC	25.00	0.00
function	3	NC	NC	0.00	0.00

Duplication
----

	now	previous	difference
nb duplicated lines	0	NC	NC
percent duplicated lines	0.000	NC	NC

Raw metrics
----

type	number	%	previous	difference
code	101	82.79	NC	NC
docstring	1	0.82	NC	NC
comment	8	6.56	NC	NC
empty	12	9.84	NC	NC

Messages by category
----

type	number	previous	difference
convention	25	0	+25.00
refactor	3	0	+3.00
warning	5	9	-4.00
error	1	0	+1.00

% errors / warnings by module
----

module	error	warning	refactor	convention
users.models	100.00	0.00	66.67	40.00
users.views	0.00	80.00	0.00	20.00
users.tests	0.00	20.00	0.00	4.00

```
+-------------+-------+--------+---------+-----------+
```

Messages

```
+-----------+------------+
|message id |occurrences |
+===========+============+
|C0111      |17          |
+-----------+------------+
|C0301      |7           |
+-----------+------------+
|W0611      |3           |
+-----------+------------+
|R0913      |2           |
+-----------+------------+
|W0404      |1           |
+-----------+------------+
|W0312      |1           |
+-----------+------------+
|R0904      |1           |
+-----------+------------+
|E1101      |1           |
+-----------+------------+
|C0103      |1           |
+-----------+------------+
```

Global evaluation

Your code has been rated at 5.25/10

External dependencies

::

    django
      \-apps
      | \-AppConfig (users.apps)
      \-conf

```
| \-urls
|   \-url (users.urls)
\-contrib
| \-admin (users.admin)
| \-auth
|   \-authenticate (users.views)
|   \-login (users.views)
|   \-logout (users.views)
|   \-models
|     \-User (users.models,users.views)
\-core
| \-validators
|   \-MaxValueValidator (users.models)
|   \-MinValueValidator (users.models)
\-db
| \-models (users.models)
\-http
| \-Http404 (users.views)
| \-HttpResponse (users.views)
| \-HttpResponseRedirect (users.views)
\-shortcuts
| \-render (users.views)
| \-render_to_response (users.views)
\-test
  \-TestCase (users.tests)
```