

# 软件测试报告

Tomato

2018 年 1 月

## 1 引言

### 1.1 文档概述

本文档将介绍测试的详细结果，主要是 Coverage。

## 2 测试结果概述

### 2.1 对被测试软件的总体评估

97% classes, 80% lines covered in package 'com.java.asdan.tomato.server'			
Element	Class, %	Method, %	Line, %
configuration	83% (5/6)	63% (7/11)	86% (33/38)
controller	100% (55/55)	94% (324/342)	75% (1865/2461)
model	100% (13/13)	100% (184/184)	99% (372/373)
repository	100% (0/0)	100% (0/0)	100% (0/0)
security	0% (0/1)	0% (0/1)	0% (0/14)
service	100% (5/5)	98% (50/51)	98% (299/304)
util	100% (1/1)	100% (2/2)	100% (4/4)
ServerApplication	100% (1/1)	50% (1/2)	50% (2/4)

本测试覆盖率很高，可以说是十分到位了。

### 2.2 测试环境的影响

任何平台都可以进行测试，并没有什么影响。

### 2.3 改进建议

如果可以的话，可以绕出架构对微信的 websocket 进行测试。

### 3 详细的测试结果

以下是我们的测试覆盖率：

97% classes, 80% lines covered in package 'com.java.asdan.tomato.server'			
Element	Class, %	Method, %	Line, %
configuration	83% (5/6)	63% (7/11)	86% (33/38)
controller	100% (55/55)	94% (324/342)	75% (1865/2461)
model	100% (13/13)	100% (184/184)	99% (372/373)
repository	100% (0/0)	100% (0/0)	100% (0/0)
security	0% (0/1)	0% (0/1)	0% (0/14)
service	100% (5/5)	98% (50/51)	98% (299/304)
util	100% (1/1)	100% (2/2)	100% (4/4)
ServerApplication	100% (1/1)	50% (1/2)	50% (2/4)

83% classes, 86% lines covered in package 'configuration'			
Element	Class, %	Method, %	Line, %
BeanConfiguration	0% (0/1)	0% (0/2)	0% (0/3)
CorsConfigurator	100% (1/1)	100% (1/1)	100% (3/3)
MyWebSocketInt...	100% (1/1)	0% (0/2)	33% (1/3)
SecurityConfigur...	100% (1/1)	100% (2/2)	100% (13/13)
WebSocketConfig	100% (1/1)	100% (2/2)	100% (10/10)
wxWebSocketCo...	100% (1/1)	100% (2/2)	100% (6/6)

100% classes, 75% lines covered in package 'controller'			
Element	Class, %	Method, %	Line, %
admin	100% (24/24)	94% (142/150)	93% (909/971)
client	100% (31/31)	94% (182/192)	64% (956/1490)

100% classes, 93% lines covered in package 'admin'			
Element	Class, %	Method, %	Line, %
AdminLoginCont...	100% (2/2)	100% (4/4)	100% (24/24)
AuctionController	100% (3/3)	93% (14/15)	91% (136/148)
ChangePasswor...	100% (2/2)	85% (6/7)	93% (28/30)
CompetitionCrea...	100% (5/5)	98% (51/52)	99% (298/300)
CompetitionInfor...	100% (5/5)	97% (41/42)	96% (249/259)
CompetitionStat...	100% (3/3)	93% (15/16)	74% (89/119)
DeleteCompetitio...	100% (1/1)	66% (2/3)	93% (29/31)
GetAllCompetitio...	100% (1/1)	66% (2/3)	89% (17/19)
UpdateCompetiti...	100% (2/2)	87% (7/8)	95% (39/41)

100% classes, 64% lines covered in package 'client'			
Element	Class, %	Method, %	Line, %
AvatarController	100% (2/2)	83% (5/6)	59% (28/47)
BuyMaterialCont...	100% (2/2)	100% (24/24)	81% (119/146)
ClientInfoControl...	100% (3/3)	100% (24/24)	76% (87/114)
ClientLoginContr...	100% (2/2)	100% (6/6)	100% (28/28)
ClientPropertyCo...	100% (5/5)	100% (37/37)	96% (198/205)
CompetitionStat...	100% (3/3)	100% (16/16)	92% (48/52)
GetAllUsersCont...	100% (1/1)	100% (1/1)	100% (17/17)
GetProduceHisto...	100% (2/2)	100% (15/15)	100% (60/60)
GetTradeHistory...	100% (2/2)	100% (5/5)	100% (54/54)
ListenPropertyC...	100% (1/1)	100% (4/4)	64% (50/78)
SellMaterialContr...	100% (2/2)	100% (23/23)	84% (90/106)
SendToSellerCon...	100% (2/2)	100% (8/8)	76% (88/115)
UndoTradeContr...	100% (3/3)	100% (12/12)	78% (86/109)
WebSocketPush...	100% (1/1)	18% (2/11)	0% (3/359)

100% classes, 99% lines covered in package 'model'			
Element	Class, %	Method, %	Line, %
Admin	100% (1/1)	100% (17/17)	100% (33/33)
Competition	100% (3/3)	100% (50/50)	100% (104/104)
Machine	100% (1/1)	100% (13/13)	100% (24/24)
Material	100% (1/1)	100% (7/7)	100% (12/12)
Produce	100% (1/1)	100% (17/17)	100% (33/33)
Team	100% (2/2)	100% (49/49)	100% (108/108)
Trade	100% (4/4)	100% (31/31)	98% (58/59)

100% classes, 98% lines covered in package 'service'			
Element	Class, %	Method, %	Line, %
admin	100% (2/2)	100% (26/26)	100% (156/156)
user	100% (3/3)	96% (24/25)	96% (143/148)

100% classes, 100% lines covered in package 'admin'			
Element	Class, %	Method, %	Line, %
CompetitionServiceImpl	100% (1/1)	100% (19/19)	100% (119/119)
LoginServiceImpl	100% (1/1)	100% (7/7)	100% (37/37)

100% classes, 96% lines covered in package 'user'			
Element	Class, %	Method, %	Line, %
CompetitionServiceImpl	100% (1/1)	100% (4/4)	100% (22/22)
LoginServiceImpl	100% (1/1)	100% (8/8)	100% (57/57)
OrderServiceImpl	100% (1/1)	92% (12/13)	92% (64/69)

## 4 测试记录

本次测试结果生成于 2018 年 1 月 19 日，测试平台是 Mac，集成开发环境是 IntelliJ。见证者是宋世虹和张慧盟。

## 5 评价

### 5.1 能力

该测试覆盖了几乎所有后台的接口，可以说是很鲁棒，给前端提供了十分稳定的服务。

### 5.2 缺陷和限制

由于没有找到微信的 websocket 的测试方法，所以我们没有对微信的 websocket 进行测试，这很遗憾。同时，由于时间的关系，还有极少一部分代码没有被测试到。

## 6 测试活动总结

人力消耗：张慧盟、宋世虹。