

# 后端单元测试覆盖率报告

## 基本信息

测试范围：后端微服务全部内容

测试工具：JUnit

测试用例：见后端代码 `unit-test` 分支下各微服务的 `test` 文件夹。

由测试工具自动生成的覆盖率报告如下：

Overall Coverage Summary			
Package	Class, %	Method, %	Line, %
all classes	100% (31/31)	100% (227/227)	100% (609/609)
Coverage Breakdown			
Package	Class, %	Method, %	Line, %
com.unigpt.bot	100% (1/1)	100% (2/2)	100% (2/2)
com.unigpt.bot.LLMArgs	100% (2/2)	100% (13/13)	100% (18/18)
com.unigpt.bot.controller	100% (3/3)	100% (18/18)	100% (80/80)
com.unigpt.bot.dto	100% (15/15)	100% (106/106)	100% (189/189)
com.unigpt.bot.model	100% (7/7)	100% (64/64)	100% (126/126)
com.unigpt.bot.serviceimpl	100% (3/3)	100% (24/24)	100% (194/194)
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Overall Coverage Summary			
Package	Class, %	Method, %	Line, %
all classes	100% (16/16)	100% (90/90)	100% (244/244)
Coverage Breakdown			
Package	Class, %	Method, %	Line, %
com.unigpt.user	100% (1/1)	100% (2/2)	100% (2/2)
com.unigpt.user.controller	100% (2/2)	100% (11/11)	100% (39/39)
com.unigpt.user.dto	100% (8/8)	100% (44/44)	100% (72/72)
com.unigpt.user.model	100% (2/2)	100% (19/19)	100% (26/26)
com.unigpt.user.serviceimpl	100% (2/2)	100% (12/12)	100% (101/101)
com.unigpt.user.utils	100% (1/1)	100% (2/2)	100% (4/4)
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Overall Coverage Summary			
Package	Class, %	Method, %	Line, %
all classes	100% (50/50)	100% (241/241)	100% (833/833)
Coverage Breakdown			
Package	Class, %	Method, %	Line, %
com.unigpt.chat	100% (1/1)	100% (2/2)	100% (2/2)
com.unigpt.chat.config	100% (2/2)	100% (3/3)	100% (18/18)
com.unigpt.chat.controller	100% (5/5)	100% (15/15)	100% (84/84)
com.unigpt.chat.dto	100% (15/15)	100% (62/62)	100% (104/104)
com.unigpt.chat.model	100% (10/10)	100% (74/74)	100% (167/167)
com.unigpt.chat.parameter.LLMArgs	100% (2/2)	100% (13/13)	100% (18/18)
com.unigpt.chat.service	100% (3/3)	100% (16/16)	100% (30/30)
com.unigpt.chat.serviceimpl	100% (8/8)	100% (37/37)	100% (276/276)
com.unigpt.chat.utils	100% (3/3)	100% (7/7)	100% (40/40)
com.unigpt.chat.websocket	100% (1/1)	100% (12/12)	100% (94/94)
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Overall Coverage Summary				
Package	Class, %	Method, %	Branch, %	Line, %
all classes	100% (21/21)	100% (132/132)	100% (12/12)	100% (298/298)
Coverage Breakdown				
Package	Class, %	Method, %	Branch, %	Line, %
com.unigpt.plugin	100% (1/1)	100% (2/2)		100% (2/2)
com.unigpt.plugin.controller	100% (3/3)	100% (9/9)		100% (32/32)
com.unigpt.plugin.dto	100% (9/9)	100% (64/64)		100% (121/121)
com.unigpt.plugin.model	100% (4/4)	100% (44/44)		100% (79/79)
com.unigpt.plugin.serviceImpl	100% (3/3)	100% (11/11)	100% (12/12)	100% (60/60)
com.unigpt.plugin.utils	100% (1/1)	100% (2/2)		100% (4/4)
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## 总体覆盖率摘要

Class %	Method %	Line %
100% (229/229)	100% (570/570)	100% (1964/1964)

## 总结

后端单元测试达到了软件测试要求，即100%的代码行覆盖。