

# MovieReview

## 单元测试用例文档

v1.0

南京大学软件学院

Inf1Nity 团队

帖佳韵 宋奎熹 薛恺丰 杨思佳

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## 变更记录

修改人员	日期	变更原因	版本号
杨思佳	2017.4.07	最初框架	V1.0

## 目录

变更记录	2
1.1 Unit Test Case L1	4
1.2. Unit Test Case L2	7
1.3. Unit Test Case L3	11

# 1. 单元测试用例描述

## 1.1 Unit Test Case L1

被测单元: MovieBLService

设计人员: 杨思佳

设计日期: 2017-04-07

测试用例表

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/Fail	备注
Movie BLService-01	testFindMoviesByKeywordInPage	keyword = "Snow White"	pageVO.list.size() = 2, pageVO.totalPage = 1			
Movie BLService-02	testFindMoviesByTagInPage	tag = Action, MovieSortType.DATE_ASC, page = 2	pageVO.list.size() = 10, pageVO.totalPage = 10			

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/Fail	备注
Movie BLService-03	testFindMovieStatisticsVOByMovieId	id = "B005K23S20"	amountOfReviewFromAmazon = 516, amountOfReviewFromImdb = 38, averageScore = 9.018, variance = 5.036, firstReviewDate = "2010-07-27" lastReviewDate = "2016-12-21"			
Movie BLService-04	testFindReviewsByMovieIdInPage	id = "B00005JO1X", ReviewSortType.DATE_ASC, page = 2	pageVO.list.size() = 10, pageVO.totalPage = 61			
Movie BLService-05	testFindMovieGenre		assertEquals(movieGenreVO.amounts.size(), movieGenreVO.tags.size())			

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/Fail	备注
Movie BLService-06	testFindRelationBetweenScoreAndReviewAmount	tag = Action	assertEquals(scoreAndReviewAmountVO.scores.size(), scoreAndReviewAmountVO.reviewAmountVO.reviewAmounts.size())			
Movie BLService-07	testfindScoreDateByYear(byMonth, ByDay同理)	id = "B005K23S20", startYear = "2011", endYear = "2012"	assertEquals(scoreDateVOActual.dateS.size(), scoreDateVOActual.scoreS.size())			
Movie BLService-08	testFindScoreDistributionByMovieIdFromIMDB(From Amazon 同理)	id = "B005K23S20"	new ScoreDistributionVO(38, {3, 5, 2, 1, 2, 2, 2, 6, 3, 9})			
Movie BLService-09	testBoxPlot	id = "B00000F168"	maxScore = 5, minScore = 0, quartiles = {5.0,5.0,5.0, 5.0,5.0}			

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/Fail	备注
Movie BLService-10	testFindYearCountByMovieIdFromAmazon(MonthCount, DayCount 同理)	id = "B00005JO1X" "startYear = "2005", endYear = "2006"	reviewCount VOs.length=6, keys={2005, 2006},reviewCountVO[0]={96, 1,7,14,19,55}, reviewCountVO[1]={299, 20,15,29,38,127}			
Movie BLService-11	testFindYearCountByMovieIdFromImdb	id = "B005K23S20" “, "startYear = "2011", endYear = "2012"	reviewCount VOs.length=11, keys={2011,2012},reviewCountVO[0]={12, 0, 1, 1, 0, 0, 1, 1, 1, 2, 5}, reviewCountVO[1]={5, 0, 1, 0, 1, 2, 0, 0, 1, 0, 0}			

## 1.2. Unit Test Case L2

被测单元: MovieDataService

设计人员: 薛恺丰

设计日期: 2017-04-07

### 测试用例表

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/ Fail	备注
DataService-01	testFindReviewsByMovieId	id = "B002LII6KA"	List<ReviewPO> 包含607条 reviewPO			
DataService-02	testFindReviewsByUserId	id = "A11YJS79DZD7D9"	List<ReviewPO> 包含13条 reviewPO			
DataService-03	testFindMovieById	id = "B000I5XDV1"	new MoviePO("B000ZLFALS", "Across the Universe [Blu-ray]")			
DataService-04	testFindReviewsByMovieId2	id = "B00005JO1X"	List<ReviewPO> 包含610条 reviewPO			
DataService-05	testFindReviewsByMovieId3	id = "B000"	List<ReviewPO> 包含0条 reviewPO			
DataService-06	testFindReviewsByMovieId4	id = "B000ZLFALS"	List<ReviewPO> 包含1111条 reviewPO			



DataService-07	testFindReviewsByUserId2	id = "A11YJS79 DZD7D9 "	Page<Review PO> 包含1条 reviewPO			
DataService-08	testFindMovieByMovieId2	id = "B000ZLF ALS11 "	moviePO 其Id为-1 (不存在)			
DataService-09	testFindWordByMovieId	id = "B000ZLF ALS "	wordPO 包含10个word			
DataService-10	testFindWordByMovieId2	id = "2"	null			
DataService-11	testFindWordByUserId	id = "A11YJS79 DZD7D9 "	wordPO 包含10个word			
DataService-12	testFindWordByUserId2	id = "2"	null			
DataService-13	testFindReviewsByMovieIdFromAmazon	id = "B00005J O1X " ReviewSortType.DATE_ASC page = 0	Page<Review PO> 包含10条 reviewPO			

DataService-14	testFindReviewsByMovieIdFromAmazon2	id = "B00005JO1X" ReviewSortType.DATE_ASC page = 19	Page<ReviewPO> 包含10条reviewPO			
DataService-15	testFindMoviesByTag1	EnumSet.of(MovieGenre.All), MovieSortType.DATE_ASC, page = 1	Page<MoviePO> 包含10条MoviePO			
DataService-16	testFindMoviesByTag2	EnumSet.of(MovieGenre.Short), MovieSortType.DATE_ASC, page = 1	Page<MoviePO> 包含10条MoviePO			
DataService-17	testFindMoviesByName	name = "a" page = 1	Page<MoviePO> 包含10条MoviePO			
DataService-18	testFindMovieGenre		MovieGenrePO.amounts.size=22			
DataService-19	testCheckNetwork		TRUE			

DataService-20	testFindRelationBetweenScoreAndReviewAmount	EnumSet.of(MovieGenre.Action)	scoreAndReviewAmountPO 包含42条记录			
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### 1.3. Unit Test Case L3

被测单元: UserBLService

设计人员: 杨思佳

设计日期: 2017-04-07

测试用例表

测试用例	测试用例描述	输入数据	预期输出	实际输出	Pass/ Fail	备注
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UserBLService-01	testGetReviewWords	id = "0001"	new ReviewWords VO>{"0-20","20-40","40-60","60-80","80-100","100-120","120-140","140-160","160-180","180-200","200+"}  , {0,0,7,0,0,0,0,0,0,0,0} )			
UserBLService-02	testFindYearCountByMovieId	id = "ANGH6401L9Y0T"	new ReviewCountVO[]  包含6个 ReviewCountVO,分布表示全部、评分为1、2、3、4、5的评论数量在时间上的分布			
UserBLService-03	testFindMonthCountByMovieId	id = "ANGH6401L9Y0T"	new ReviewCountVO[]  包含6个 ReviewCountVO,分布表示全部、评分为1、2、3、4、5的评论数量在时间上的分布			

UserBLService-04	testFindDayCountByMovieId	id = "ANGH6401L9Y0T"	new ReviewCountVO[]  包含6个 ReviewCountVO,分布表示全部、评分为1、2、3、4、5的评论数量在时间上的分布			
UserBLService-05	testGetUserVO	id = "A2582KMXLI2P06"	new UserVO("A2582KMXLI2P06", "B. E Jackson 6", 6, "2011-05-25", "2011-06-01")			
UserBLService-06	testFindWordByMovieId	id = "A11YJS79DZD7D9"	wordVO.getTopWords().size() = 10			
UserBLService-07	testFindWordByMovieId2	id = "2"	wordVO = null			
UserBLService-08	testFindReviewsByUserIdInPage	id = "A2HBJS5V7RS1SM",ReviewSortType.DATE_ASC, page = 0	pageVO.list.size() = 1, pageVO.totalPage = 1			