文件排版存档编号：[XXXX-UYNN208]

**系统上线联调测试**

**（接口测试）报告**

# 引言

## 编写目的

编写该测试总结报告主要有以下几个目的

1. 通过对上线联调测试结果的分析，得到对软件对外发布的接口质量的评价；
2. 分析测试的过程，产品，资源，信息，为以后制定测试计划提供参考；
3. 分析系统存在的缺陷，为修复和预防bug提供建议。

## 参考资料

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| **序号** | **参考资料名称** |
| 1 | 《软件接口需求规格说明书》 |
| 2 | 《测试计划（GB8567——88）》－GB标准文档 |
| 3 | 《用户操作手册》 |

# 测试计划

## 测试地点

学校机房

## 测试人员

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| **项目建设单位**  **（2人以上）** |  |
| **项目承建单位**  **（2人以上）** |  |
| **项目监理单位** |  |

## 测试环境

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| 数据库  服务器 | 硬件平台 | |
| 品牌：DELL Poweredge R710机架式服务器 | |
| CPU：2×Intel Xeon 六核 E5660 | |
| 内存：24GB | |
| 存储器：4×500GB rpm SAS | |
| 网络连接：LAN TCP/IP 1000Mbps | |
| 软件平台 | 版本号 |
| 操作系统：Microsoft Windows Server 2008, Enterprise Edition x64 |  |
| 支撑软件：Oracle 10g |  |
| WEB  服务器 | 硬件平台 | |
| 品牌：DELL Poweredge R900机架式服务器 | |
| CPU：4×Intel Xeon 四核E7430 | |
| 内存：16GB | |
| 存储器：3×450GB rpm SAS | |
| 网络连接：LAN TCP/IP 1000Mbps | |
| 软件平台 | 版本号 |
| 操作系统：Microsoft Windows Server 2008, Enterprise Edition x64 |  |
| 支撑软件：,do’net |  |
| 建模/比对  服务器  1/任务分发/查重 | 硬件平台 | |
| 品牌：DELL Poweredge R710机架式服务器 | |
| CPU：2×Intel Xeon 六核 E5660 | |
| 内存：24GB | |
| 存储器：4×500GB rpm SAS | |
| 网络连接：LAN TCP/IP 1000Mbps | |
| 软件平台 | 版本号 |
| 操作系统：Microsoft Windows Server 2008, Enterprise Edition x64 |  |
|  | 支撑软件：,do’net ,c++2008,oracle 10g客户端 | |

## 测试方法

在测试每一个测试项时，在测试用例对应的部分完成以后，由承建方人员、业主单位人员共同进行验证结果，测试的方法以白盒测试为主，主要观察测试返回结果是否达到指定要求。本测试计划的主要内容，集中在接口开发完成后的接口测试。

# 测试结果

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| **接口描述** | 登录接口，有 用户名/密码登录 、邮箱/验证码登录 两种方式 | | | | | |
| **接口地址** | 192.168.10.129:8080/user/login | | | | | |
| **请求方式** | POST | | | | | |
| **输入格式** | Content-Type=application/json;charset=UFT-8 | | | | | |
| **前提条件** | 无 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 用户名 / 密码登录成功 | LOGIN001 | 登录 | {  "userName": "小浣熊",  "password": "1234567"  } | 200 | {  "code": 200,  "message": "请求成功",  "data": {  "nickName": "小浣熊",  "avatar": "http://hualuosakura.top/  avatar/fox.jpg",  "token": "eyJhbGciOiJIUzI1NiJ9.ey  Jmb2xsb3dDb3VudCI6MiwFtZSI6Iu…",  },  "timestamp": 1684155433260  } | 通过 |
| 密码错误拒绝登录 | LOGIN002 | 登录 | {  "userName": "小浣熊",  "password": "12345"  } | 401 | {  "code": 401,  "message": "Bad credentials",  "data": null,  "timestamp": 1684156198349  } | 通过 |
| 用户名错误，登录失败 | LOGIN003 | 登录 | {  "userName": "小浣熊",  "password": "1234567"  } | 401 | {  "code": 401,  "message": "Bad credentials",  "data": null,  "timestamp": 1684156319777  } | 通过 |
| 邮箱 / 验证码登录成功 | LOGIN004 | 登录 | {  "email": "test@qq.com",  "verify": "C9Y63"  } | 200 | {  "code": 200,  "message": "请求成功",  "data": {  "nickName": "小浣熊",  "avatar": "http://hualuosakura.top/  avatar/fox.jpg",  "token": "oxNjg1MTkzNzc1fQ.DC  tYU1jOtEQcSclrbYHXdT0gPWeLz...",  },  "timestamp": 1684156670574  } | 通过 |
| 验证码错误，登录失败 | LOGIN005 | 登录 | {  "email": "test@qq.com",  "verify": "ROWSX"  } | 401 | {  "code": 401,  "message": "No AuthenticationProvider found for com.ty.blog.security.  email.EmailAuthenticationToken",  "data": null,  "timestamp": 1684156762703  } | 通过 |

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| **接口描述** | 注册接口 | | | | | |
| **接口地址** | 192.168.10.129:8080/user/register | | | | | |
| **请求方式** | POST | | | | | |
| **输入格式** | Content-Type=application/json;charset=UFT-8; | | | | | |
| **前提条件** | 无 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 邮箱注册成功（账号未激活） | REGISTER001 | 注册 | {  "email": "hualuosakura@163.com",  "phoneNumber": "12345678",  "nickName": "小浣熊",  "password": "1234567"  } | 200 | {  "code": 200,  "message": "请求成功",  "data": "register succeeded",  "timestamp": 1684157748183  } | 通过 |
| 激活账号 | REGISTER002 | 注册 |  | 200 | 点击激活邮件跳转登录页面 | 通过 |
| 邮箱已被注册，注册失败 | REGISTER003 | 注册 | {  "email": "hualuosakura@163.com",  "phoneNumber": "12345678",  "nickName": "小浣熊",  "password": "1234567"  } | 401 | {  "code": 401,  "message": "账号已存在，不能重复注册",  "data": null,  "timestamp": 1684157823885  } | 通过 |

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| **接口描述** | 文件上传接口，上传至七牛云OSS对象存储器 | | | | | |
| **接口地址** | 192.168.10.129:8080/file/upload | | | | | |
| **请求方式** | POST | | | | | |
| **输入格式** | Content-Type=multipart/form-data; | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 用户上传头像（文件） | UPLOAD001 | 文件上传 | {  "file": "fox.jpg",  } | 200 | {  "code": 200,  "message": "请求成功",  "data": {  "fileName": "content/8df5ca676382457386b2ad56facbd8adfox.jpg",  "link": "http://hualuosakura.top/content/8df5ca676382457386b2ad56facbd8adfox.jpg"  },  "timestamp": 1684159077033  } | 通过 |

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| **接口描述** | 文件删除接口，删除七牛云OSS对象存储器中的文件 | | | | | |
| **接口地址** | 192.168.10.129:8080/delete?name=8df5ca676382457386b2ad56facbd8adfox.jpg | | | | | |
| **请求方式** | DELETE | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 用户删除文件 | UPLOAD\_DEL001 | 文件删除 |  | 200 | {  "code": 200,  "message": "请求成功",  "data": "delete failed",  "timestamp": 1684166093194  } | 通过 |

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| **接口描述** | 获取个人信息接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/user/info/1 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 查询个人信息 | INFO\_SHOW001 | 个人信息 |  | 200 | {  "code": 200,  "message": "请求成功",  "data": {  "id": 1,  "userName": "5db9af4d5fdc4c7cacd54bd5f10e1be0",  "nickName": "小浣熊",  "email": "hualuosakur@163.com",  "phoneNumber": "1234567",  "gender": 0,  "avatar": "http://hualuosakura.top/avatar/34d124cf81d14a5d81191d3ac5f672ff夏目.jpg",  "bgImg": "http://hualuosakura.top/background/24e0e7d1242644b6b3ec2ea20e8e2824RE4wtbF.jpg",  "introduction": "这是个人简介",  "createTime": "2022-10-30 00:43:27",  "status": 0,  },  "timestamp": 1684160243741  } | 通过 |
| 用户未登录，查询个人信息失败 | INFO\_SHOW002 | 个人信息 |  | 401 | {  "code": 401,  "message": "Full authentication is required to access this resource",  "data": null,  "timestamp": 1684161348653  } | 通过 |

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| **接口描述** | 修改个人信息接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/user/info/edit | | | | | |
| **请求方式** | PUT | | | | | |
| **输入格式** | Content-Type=application/json;charset=UFT-8; | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 修改个人信息 | INFO\_EDIT001 | 个人信息 | {  "id": 1,  "nickName": "桜花落",  "email": "hualuosakura@163.com",  "phoneNumber": "1234567",  "gender": 0,  "introduction": "这是个人简介"  } | 200 | {  "code": 200,  "message": "请求成功",  "data": null,  "timestamp": 1684160808860  } | 通过 |

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| **接口描述** | 查询评论的接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129 :8080/comment/list?type=answer&type\_id=1 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 查询文章评论 | COMMENT\_001 | 评论 |  | 200 | {  "code": 200,  "message": "请求成功",  "data": [  {  "id": 41,  "rootId": -1,  "content": "回答不错",  "toCommentUserId": -1,  "toCommentId": -1,  "nickname": "刘水秀",  "avatar": "http://hualuosakura.top/avatar/fox.jpg",  "createBy": 4,  "createTime": "2022-12-29 11:51:09",  "children": [  {  "id": 42,  "rootId": 41,  "content": "很好",  "toCommentUserId": 4,  "toCommentId": 41,  "toCommentNickname": "刘水秀",  "nickname": "刘水秀",  "avatar": "http://hualuosakura.top/avatar/fox.jpg",  "createBy": 4,  "createTime": "2022-12-29 11:51:25"  }  ]  },  {  ......  }  ],  "timestamp": 1684167832917  } | 通过 |

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| **接口描述** | 添加（回复）评论的接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/comment/add | | | | | |
| **请求方式** | POST | | | | | |
| **输入格式** | Content-Type=application/json;charset=UFT-8; | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 添加（回复）评论 | COMMEN\_SENDT\_001 | 评论 | {  "type": "answer",  "typeId": 2,  "rootId": 5,  "content": "用户1的子评论测试",  "toCommentUserId": 1,  "toCommentId": 5,  "toCommentNickname": "R&B"  } | 200 | {  "code": 200,  "message": "请求成功",  "data": true,  "timestamp": 1684168670655  } | 通过 |
| 用户未登录，添加（回复）评论 | COMMEN\_SENDT\_002 | 评论 |  | 401 | {  "code": 401,  "message": "Full authentication is required to access this resource",  "data": null,  "timestamp": 1684161348653  } | 通过 |

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| **接口描述** | 查看收藏文章列表接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/favorite/list/1 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 查看收藏列表 | FAVORITE\_SHOW001 | 收藏 |  | 200 | {  "code": 200,  "message": "请求成功",  "data": [  {  "Id": 2,  "title": "中国研究建议欧洲少吃肉多吃素、食物系统转型以「保护环境及粮食安全」，哪些信息值得关注？",  "questionId": 1,  "userInfoVo": {  "id": 1,  "nickName": "小浣熊",  "avatar": "http://hualuosakura.top/avatar/34d124cf81d14a5d81191d3ac5f672ff夏目.jpg",  "introduction": "这是个人简介"  },  "content": "\*\*老爹说得对。\*\*\r\n![image](https://pic1.zhimg.com/80/v2-26545c0db55ba1c2c026caed91f4c228\_720w.webp?source=1940ef5c)",  "approveCount": 99,  "commentCount": 7,  },  {  ......  }  ],  "timestamp": 1684160913099  } | 通过 |

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| **接口描述** | 收藏文章接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/favorite/?type=article&type\_id=12 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 收藏文章成功 | FAVORITE001 | 收藏 |  | 200 | {  "code": 200,  "message": "请求成功",  "data": null,  "timestamp": 1684161478517  } | 通过 |
| 用户未登录，收藏文章失败 | FAVORITE002 | 收藏 |  | 401 | {  "code": 401,  "message": "Full authentication is required to access this resource",  "data": null,  "timestamp": 1684161348653  } | 通过 |

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| **接口描述** | 删除收藏文章接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/favorite/?type=article&type\_id=12 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 用户已登录 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 删除收藏文章 | FAVORITE\_DEL001 | 收藏 | type = article  type\_id = 12 | 200 | {  "code": 200,  "message": "请求成功",  "data": null,  "timestamp": 1684161640492  } | 通过 |

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| **接口描述** | 搜索接口 ，请求URL符合RestFul规范 | | | | | |
| **接口地址** | 192.168.10.129:8080/es/search?word=测试 | | | | | |
| **请求方式** | GET | | | | | |
| **输入格式** |  | | | | | |
| **前提条件** | 无 | | | | | |
| **用例名称** | **用例编号** | **模块** | **请求参数** | **状态码** | **期望返回值** | **测试结果** |
| 搜索关键词 | SEARCH001 | 搜索 | word = 测试 | 200 | {  "code": 500,  "message": "服务器内部错误，无法完成请求",  "data": "Timeout connecting to [/192.168.10.129:9200]",  "timestamp": 1684163178349  } | 不通过 |