**非授课工作量管理系统设计说明书**

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第五章开发工具使用

## **第一章，文档介绍**

## **1.1编写目的**

本文档将列举实现非授课工作量管理系统所设计的全部功能，并对每个功能给出简单的描述。

本文档的预期读者包括：数据库设计、开发、维护人员和系统设计、开发、测试人员。

## **背景**

随着信息化管理工作的深入开展，高效快捷方便地实现教师非授课工作量的管理，切实提高我院的管理水平，是一个迫切的需求。通过软件来实现非授课工作量的管理，可以提高非授课工作量管理的准确性，及时性，避免遗忘和提供考核的依据；通过方便的查询方式和录入方式，可以提高工作效率；通过自动地评价和考核非授课工作量，可以做到公平公正及减少人力核算成本。

1. 第二章 外部设计

数据库环境说明

数据库设计工具为xmapp版。

* 1. 支持软件

提示：数据库运行支持的其他，如备份、恢复、调优等非数据库系统。

1. 第三章 数据库的命名规则

提示：表格形式说明数据库的命名规则以及数据库中各种对象，如表、视图、字段等命名规则。如果本数据库的命名规则与机构的标准不完全一致的话，请作出解释。

| **序号** | **类型** | **命名规则** |
| --- | --- | --- |
| 1 | 独立表名称 | 子系统名（简称）+‘\_’+表名，表名用表示数据表内容的一到两个英文单词，如果超过15个字符采用辅音字母缩写形式。 |
| 2 | 复合表名称 | 子系统名（简称）+‘\_’+表1名称+‘\_’+表2名称 |
| 3 | 字段名 | 表名+‘\_’+字段名 |
| 4 | 表间关系名 | 系统自动生成 |

1. 数据库设计

1.administrator表设计

|  | **id** id | **username** 用户名 | **userId** 用户ID | **role** 用户类型 | **name** 姓名 | **departmentName** 部门 | **password** 密码 | **status** 状态 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |

2.basedata表设计

|  | **id** 主键 | **workTask** 工作任务 | **baseMoney** 基础奖金 |
| --- | --- | --- | --- |

3.basedata2表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=basedata2&sql_query=SELECT+*+FROM+`basedata2`++%0AORDER+BY+`basedata2`.`id`+ASC&sql_signature=ceb1be847b2ea67ef6dc225ccdcebf0415396bad12d161c7900944c44fd5d1cb&session_max_rows=25&is_browse_distinct=0)** 主键 | **[baseKey](http://localhost/phpmyadmin/sql.php?db=js_workload&table=basedata2&sql_query=SELECT+*+FROM+`basedata2`++%0AORDER+BY+`basedata2`.`baseKey`+ASC&sql_signature=3f295c7937aeac42e557310539505391147055c6e93f56963dbe732a52d7218a&session_max_rows=25&is_browse_distinct=0)** 键名 | **[content](http://localhost/phpmyadmin/sql.php?db=js_workload&table=basedata2&sql_query=SELECT+*+FROM+`basedata2`++%0AORDER+BY+`basedata2`.`content`+ASC&sql_signature=8be54533c6f0a8a577dde8fb3a4b70e5cda06d4b17296e29d1a7d3f5aef5f1c2&session_max_rows=25&is_browse_distinct=0)** 内容 |
| --- | --- | --- | --- |

4.basedata3表设计

|  | **id** | **name** | **content** |
| --- | --- | --- | --- |

1. basedata3表设计

6.bigtype表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=bigtype&sql_query=SELECT+*+FROM+`bigtype`++%0AORDER+BY+`bigtype`.`id`+ASC&sql_signature=4f8f07315186a5e04bf458abfbe3cb1103e7c7a9443b9a0eb03f364c13f50eeb&session_max_rows=25&is_browse_distinct=0)** | **[bigType](http://localhost/phpmyadmin/sql.php?db=js_workload&table=bigtype&sql_query=SELECT+*+FROM+`bigtype`++%0AORDER+BY+`bigtype`.`bigType`+ASC&sql_signature=bad81a40135e8b5a7e5045e88b24980ced1980b15a27441fc6a2b840898b44ca&session_max_rows=25&is_browse_distinct=0)** |
| --- | --- | --- |

7.department表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=department&sql_query=SELECT+*+FROM+`department`++%0AORDER+BY+`department`.`id`+ASC&sql_signature=7366b8cf628e88ae6f43e6e3c1db5f234d1bdaf938a9e1268dd91c8b3cd04ac3&session_max_rows=25&is_browse_distinct=0)** 主键 | **[departmentName](http://localhost/phpmyadmin/sql.php?db=js_workload&table=department&sql_query=SELECT+*+FROM+`department`++%0AORDER+BY+`department`.`departmentName`+ASC&sql_signature=9f7dafa65ca58ef8ed8dd7018e2186774c6876752b5d8f2d2918fd0b82d53b6f&session_max_rows=25&is_browse_distinct=0)** 部门名称 | **[dutyPerson](http://localhost/phpmyadmin/sql.php?db=js_workload&table=department&sql_query=SELECT+*+FROM+`department`++%0AORDER+BY+`department`.`dutyPerson`+ASC&sql_signature=ba0c81187e15812f2810ae9b24e277a4ef995342360d7dd422c4bce6c02c4fee&session_max_rows=25&is_browse_distinct=0)** 责任人 |
| --- | --- | --- | --- |

8.teachhour表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`id`+ASC&sql_signature=c698687882ef747537162f4025f645c93810d0d889b98246ed89c7850fb33871&session_max_rows=25&is_browse_distinct=0)** 主键 | **[year](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`year`+ASC&sql_signature=071a8caa83e77c009349dfd1338f674e7b089e05cba3f4589d7abd20ed017681&session_max_rows=25&is_browse_distinct=0)** 年度 | **[teacherId](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`teacherId`+ASC&sql_signature=59a686448cd8000d25e7056da41365bf26f235798ad60f334e2cfc1b2062243a&session_max_rows=25&is_browse_distinct=0)** 教工号 | **[classHour](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`classHour`+ASC&sql_signature=4333b22268dbadf8bfb4b4411b5c9d8d67f060ad9a0f317d0e844346ce403637&session_max_rows=25&is_browse_distinct=0)** 教学工作量 | **[status](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`status`+ASC&sql_signature=3f9fdd7a6ade0d732b62d0e6743cfe6c0491c8830215bf5618194d70b869eb8b&session_max_rows=25&is_browse_distinct=0)** 状态 | **[recorder](http://localhost/phpmyadmin/sql.php?db=js_workload&table=teachhour&sql_query=SELECT+*+FROM+`teachhour`++%0AORDER+BY+`teachhour`.`recorder`+ASC&sql_signature=1914f7d5b59f04d886ce8d5a82d5e6a489e92271e1a0073a46d8ec2b991c4831&session_max_rows=25&is_browse_distinct=0)** 记录人 |
| --- | --- | --- | --- | --- | --- | --- |

9.user表设计

|  | **id** id | **username** 用户名 | **userId** 用户ID | **role** 用户类型 | **name** 姓名 | **departmentName** 部门 | **password** 密码 | **status** 状态 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |

10.work表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`id`+ASC&sql_signature=59d22b104cd6df812dbfaecf132d9bd57c260e1cf1a08b5a4f7c636c48a7e652&session_max_rows=25&is_browse_distinct=0)** 主键 | **[year](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`year`+ASC&sql_signature=3f8bb825d798bae95fe32431285c10fff7f94e1f448376a14bd4879c2a8791bc&session_max_rows=25&is_browse_distinct=0)** 材料年度 | **[teacherId](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`teacherId`+ASC&sql_signature=18c12b757c43052fce04a633d5011270fa08f8fe58f524db95cbfa929337c5a8&session_max_rows=25&is_browse_distinct=0)** 教工号 | **[bigType](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`bigType`+ASC&sql_signature=fdbe94ad23a5081a27a77a3c4c1eff9697834f162b3d18876bb71b3f9a77f03b&session_max_rows=25&is_browse_distinct=0)** 大类 | **[typeName](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`typeName`+ASC&sql_signature=f5699ba47db3be19b9cad8b7a2ae9cec1fddb5ff9e6f7d9b7d9633b894724aa4&session_max_rows=25&is_browse_distinct=0)** 类别名称 | **[rankName](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`rankName`+ASC&sql_signature=e299eaa2674adfed11d9c46456e17692432d215c9cdc585114a4a38341476915&session_max_rows=25&is_browse_distinct=0)** 级别名 | **[content](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`content`+ASC&sql_signature=41d9c5f07d33577dd08a1800852cfb3ce85114d452b82be35a642106de6ca6d8&session_max_rows=25&is_browse_distinct=0)** 内容 | **[amountClass](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`amountClass`+ASC&sql_signature=bae9d50e623873d817035dab84aa922632dff4f6ca147dbe99728735eb395590&session_max_rows=25&is_browse_distinct=0)** 课时工作计数 | **[classHour](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`classHour`+ASC&sql_signature=49849f8eb0db3bae4cb1f7dd58679ad7eeaade26e223317fff6269b02134f4ee&session_max_rows=25&is_browse_distinct=0)** 折算课时 | **[amountMoney](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`amountMoney`+ASC&sql_signature=cf16b26f199a0df46acb3aa651f123f02b5813b32ff07a8197ab7f264b8b773a&session_max_rows=25&is_browse_distinct=0)** 奖金工作计数 | **[money](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`money`+ASC&sql_signature=82c23659b4660a343d446ba9b36cbb4964e96232a8958570ca08f31c693a311f&session_max_rows=25&is_browse_distinct=0)** 奖励金额 | **[evidence](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`evidence`+ASC&sql_signature=b1dd904e48235826b66076bbb31d30e235660b68b021f8de43bac07c0d1861d9&session_max_rows=25&is_browse_distinct=0)** 证明材料 | **[remarks](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`remarks`+ASC&sql_signature=87046613c1f957eea107e80b0cd2635ab517dd0f85b230562fb2dbafd58b059e&session_max_rows=25&is_browse_distinct=0)** 备注 | **[recorder](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`recorder`+ASC&sql_signature=d8693d9f3f5ef400969d73657e6ea9e80669173bff8c855066033b24d3609e84&session_max_rows=25&is_browse_distinct=0)** 记录人 | **[status](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`status`+ASC&sql_signature=2c7c06e71cf822eba93d660e9524f6c96fe1b5c9bece02e679c04d10cf7d906b&session_max_rows=25&is_browse_distinct=0)** 状态 | **[ignoreSign](http://localhost/phpmyadmin/sql.php?db=js_workload&table=work&sql_query=SELECT+*+FROM+`work`++%0AORDER+BY+`work`.`ignoreSign`+ASC&sql_signature=88ad487a86494c73a0182be2b188988c12311b2ace5f4d18432400e39bf8e135&session_max_rows=25&is_browse_distinct=0)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

11.worktype表设计

|  | **[id](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`id`+ASC&sql_signature=2a2151461380c51e0a38ec9b971b2b3802b32afe7f1e75587a09f19296a6e968&session_max_rows=25&is_browse_distinct=0)** 主键 | **[bigType](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`bigType`+ASC&sql_signature=76751112f6d7528c27e850df8cdf5fce1aff2c129f2ee1e0f6d666bc5a1ee372&session_max_rows=25&is_browse_distinct=0)** 大类 | **[typeName](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`typeName`+ASC&sql_signature=b23205130b5edfc96709c16ca3c84c58295367a49373f57308aa2c246e0fc7d4&session_max_rows=25&is_browse_distinct=0)** 类别名 | **[rank](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`rank`+ASC&sql_signature=eca04a2bd42f369d21675db1945a0d87354717f0bc6215f96f465ea2fdd3e67e&session_max_rows=25&is_browse_distinct=0)** 级别 | **[content](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`content`+ASC&sql_signature=79d7299673108cc9f84436a45c42f94d438aaa7aa2a924a05e59a3e97443c5bd&session_max_rows=25&is_browse_distinct=0)** 内容 | **[classUnit](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`classUnit`+ASC&sql_signature=a291417a940410d1a618ca786bed9f6c72516c2c9b738459136a4b9f567b7d20&session_max_rows=25&is_browse_distinct=0)** 单位 | **[classHour](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`classHour`+ASC&sql_signature=dc0be3ac581405b048ecddb6d747208e624f4a51a1fd83619465804359c03378&session_max_rows=25&is_browse_distinct=0)** 课时单价 | **[maxClassHour](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`maxClassHour`+ASC&sql_signature=c9a519c87a5613028ad664f476e878b77d6ce473f103406c5d69f8c9267ac003&session_max_rows=25&is_browse_distinct=0)** 单项最大值 | **[minClassHour](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`minClassHour`+ASC&sql_signature=18f29ee32721ade859a0facf775c34b0ef8c3f520689726143721256abcbb7df&session_max_rows=25&is_browse_distinct=0)** 单项最小值 | **[moneyUnit](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`moneyUnit`+ASC&sql_signature=fda3fab2293b7ecc2a55c09236d22d5ea65afc28d6906bbe3e39525ac28c95f7&session_max_rows=25&is_browse_distinct=0)** 奖金单位 | **[price](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`price`+ASC&sql_signature=08063b02959bddf15d8b3b5ac9183566ad5f7f187e21f174f4c5529c3f73cb20&session_max_rows=25&is_browse_distinct=0)** 单价 | **[maxPrice](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`maxPrice`+ASC&sql_signature=55180a04c9998a643526d2b162c3b8512028d473e620e1e8dce64e44d9040cc1&session_max_rows=25&is_browse_distinct=0)** 单项最大值 | **[minPrice](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`minPrice`+ASC&sql_signature=5347a76108fe53998de6616661465fc3b0acb8bb31694f3fb9e181c73cc7e74a&session_max_rows=25&is_browse_distinct=0)** 单价最小值 | **[memo](http://localhost/phpmyadmin/sql.php?db=js_workload&table=worktype&sql_query=SELECT+*+FROM+`worktype`++%0AORDER+BY+`worktype`.`memo`+ASC&sql_signature=56d81fdc1cdda3e334e3ccd2708052cd21c94f55ef5625927e26c173c26bf4ae&session_max_rows=25&is_browse_distinct=0)** 备注 |
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**第五章开发工具**

**使用zend studio 与xmapp**