注：1.实际建表使用workbench，可能与建表语句有小差别

2.服务器地址：139.199.183.133:3306

3.暂有用户名：qiansiwei 密码:12345

/\* Muser:（username（由于spring security字段限制，将邮箱写成username），password，role）\*/

CREATE TABLE IF NOT EXISTS `muser`(

`username` VARCHAR(30) NOT NULL,

`password` VARCHAR(10) NOT NULL,

`role` VARCHAR(10) NOT NULL,

PRIMARY KEY ( `username` )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\* Worker:（worker\_id，用户名，昵称，电话号码，邮箱，当前余额，余额提现信息，学历水平，工作领域，年龄层次，经验值，性别）\*/

CREATE TABLE IF NOT EXISTS `worker`(

`worker\_id` INT UNSIGNED AUTO\_INCREMENT,

`username` VARCHAR(10) NOT NULL,

`name` VARCHAR(20) NOT NULL,

`tele\_number` VARCHAR(11),

`e\_mail` VARCHAR(30),

`balance` INT UNSIGNED,

`withdrawn\_method` VARCHAR(20),

`education` VARCHAR(20),

`work\_area` VARCHAR(30),

`age` INT UNSIGNED,

`xp` INT UNSIGNED,

`gender` INT UNSIGNED,

`major` VARCHAR(20),

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `worker\_id` )

FOREIGN KEY ( `e-mail` references user)

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\* Requester:（requester\_id，用户名，昵称，电话号码，邮箱，机构名称，机构地址，项目用途，支付方式，性别，年龄，余额）\*/

CREATE TABLE IF NOT EXISTS `requester`(

`requester\_id` INT UNSIGNED AUTO\_INCREMENT,

`username` VARCHAR(10) NOT NULL,

`name` VARCHAR(20) NOT NULL,

`tele\_number` VARCHAR(11),

`e\_mail` VARCHAR(30),

`insititution\_name` VARCHAR(30),

`address` VARCHAR(30),

`pay\_method` VARCHAR(20),

`gender` INT UNSIGNED,

`age` INT UNSIGNED,

`balance` INT UNSIGNED,

`extend1` VARCHAR(128),

`extend2` VARCHAR(128),

PRIMARY KEY ( `requester\_id` )

FOREIGN KEY ( `e-mail` references user)

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\* Task:（task\_id，任务名称，任务描述，任务酬劳，任务状态，发布者id，项目类型，限制条件，开始时间，结束时间，参与人数，等级，工作时间限制（以小时计），酬劳支付时间（以小时计），领域，项目用途，年龄最低要求，年龄最高要求，问题资源链接（xml），是否审核，是否完成，问题总数，问题答案，问题剩余情况）\*/

CREATE TABLE IF NOT EXISTS `task`(

`task\_id` INT UNSIGNED AUTO\_INCREMENT,

`name` VARCHAR(50) NOT NULL,

`description` VARCHAR(255) NOT NULL,

`reward` FLOAT,

`status` VARCHAR(5),

`requester\_id` INT UNSIGNED NOT NULL,

`type` VARCHAR(10),

`restrictions` INT,

`start\_time` DATETIME,

`end\_time` DATETIME,

`population` INT UNSIGNED,

`level` INT UNSIGNED,

`time\_limitation` FLOAT,

`pay\_time` FLOAT,

`area` VARCHAR(30),

`use` VARCHAR(45),

`min\_age` INT UNSIGNED,

`max\_age` INT UNSIGNED,

`resource\_link` VARCHAR(255),

`reviewed` int(10) NOT NULL DEFAULT 0 COMMENT '管理员是否审核，0为未审核，1为已审核',

`is\_finished` INT NOT NULL,

`number\_of\_questions` INT NOT NULL,

`answer` JSON,

`rest\_of\_question` JSON,

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `task\_id` )

FOREIGN KEY ( `requester\_id` references requester)

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

FOREIGN KEY ( `requester\_id` references requester )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*Task\_of\_requester:（task\_of\_requester\_id，requester\_id，任务（json））\*/

CREATE TABLE IF NOT EXISTS `task\_of\_requester`(

`task\_of\_requester\_id` INT UNSIGNED NOT NULL,

`requester\_id` INT UNSIGNED NOT NULL,

`tasks` VARCHAR(300) NOT NULL,

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `task\_of\_requester\_id` )

FOREIGN KEY ( `requester\_id` references requester )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*Answer:（answer\_id，task\_id，worker\_id，答案（json），answer\_time）\*/

CREATE TABLE IF NOT EXISTS `answer`(

`answer\_id` INT UNSIGNED NOT NULL,

`task\_id` INT UNSIGNED NOT NULL,

`worker\_id` INT UNSIGNED NOT NULL,

`answer` JSON NOT NULL,

`answer\_time` DATETIME NOT NULL,

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `answer\_id` )

FOREIGN KEY ( `task\_id` references task )

FOREIGN KEY ( `worker\_id` references worker )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\*Transaction\_information:（id，time，requester\_id，worker\_id，task\_id，value）\*/

CREATE TABLE IF NOT EXISTS `answer`(

`id` INT UNSIGNED NOT NULL,

`time` DATETIME,

`requester\_id` INT UNSIGNED NOT NULL,

`worker\_id` INT UNSIGNED NOT NULL,

`task\_id` INT UNSIGNED NOT NULL,

`value` FLOAT NOT NULL,

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `id` )

FOREIGN KEY ( `task\_id` references task )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;

/\* Subtask:（subtask\_id，起始位置，创建时间，截止时间，终止位置，是否完成，task\_id，子任务类型，更新时间，worker\_id，属于第几个任务，已完成位置）\*/

CREATE TABLE IF NOT EXISTS `personal\_task`(

`subtask\_id` INT UNSIGNED NOT NULL,

`begin` INT UNSIGNED NOT NULL,

`created\_time` DATETIME,

`deadline` DATETIME,

`end ` INT UNSIGNED NOT NULL,

`is\_finished` INT UNSIGNED NOT NULL,

`task\_id` INT UNSIGNED NOT NULL,

`type` INT UNSIGNED NOT NULL,

`updated\_time` DATETIME,

`worker\_id` INT UNSIGNED NOT NULL,

`number\_of\_task` INT UNSIGNED NOT NULL,

`now\_begin` INT UNSIGNED NOT NULL,

`extend1` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`extend2` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

PRIMARY KEY ( `subtask\_id`)

FOREIGN KEY ( `worker\_id` references worker )

FOREIGN KEY ( `task\_id` references task )

)ENGINE=InnoDB DEFAULT CHARSET=utf8;