

# 牛人计划-中级级项目课（3）



牛客网  
NOWCODER



## 第三课



# 课程目录

CONTENTS

- 业务字段设计
- 数据库创建
- CRUD操作
- MyBatis集成
- 注解和XML定义
- ViewObject和DateTool
- 首页开发



# 数据库字段设计

用户 ( User )

id  
name  
password  
salt  
head\_url

站内信 ( Message )

id  
fromid  
toid  
content  
conversation\_id  
created\_date

资讯 ( News )

id  
title  
link  
image  
like\_count  
comment\_count  
user\_id  
created\_date

评论 ( Comment )

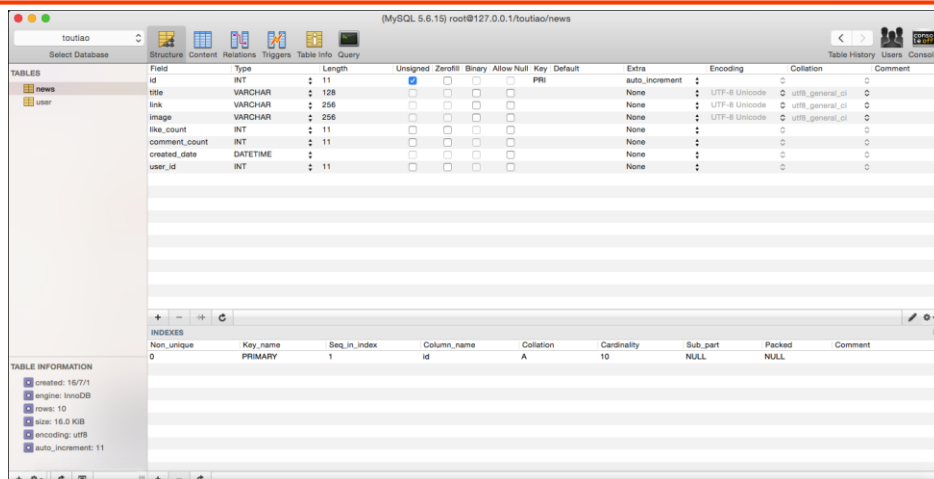
id  
content  
user\_id  
created\_date  
news\_id

id	name	password	salt	head_url
1	Jim	ajsdf83d	kd8	http://xx
2	Tom	adsf9nfd	xdi	http://yy
3	Lucy	gf2jnfpof	daf	http://zz



# 数据库创建

GUI转SQL ( 推荐 )  
Sequel Pro  
MySQL Navica  
MySQL Front  
MySQL Workbench



SQL脚本：

```
DROP TABLE IF EXISTS `news`;
CREATE TABLE `news` (
  `id` int(11) unsigned NOT NULL AUTO_INCREMENT,
  `title` varchar(128) NOT NULL DEFAULT "",
  `link` varchar(256) NOT NULL DEFAULT "",
  `image` varchar(256) NOT NULL DEFAULT "",
  `like_count` int(11) NOT NULL,
  `comment_count` int(11) NOT NULL,
  `created_date` datetime NOT NULL,
  `user_id` int(11) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=11 DEFAULT
CHARSET=utf8;
```

## 常用数据类型

int

varchar(n)

datetime

float(m,d)

text,65535



## 数据库操作 ( CRUD )

---

INSERT INTO table\_name (列1, 列2,...) VALUES (值1, 值2,...)

SELECT \*/列名称 FROM 表名称

UPDATE 表名称 SET 列名称 = 新值 WHERE 列名称 = 某值

DELETE FROM 表名称 WHERE 列名称 = 值

```
SELECT {COLA,COLB,*} FROM {TABLE}  
WHERE {CONDITION}  
ORDER BY {COL} DESC  
LIMIT {OFF},{COUNT}
```



# MyBatis集成（代码演示）

1. application.properties增加spring配置数据库链接地址
2. pom.xml引入mybatis-spring-boot-starter和mysql-connector-java

## JDBC数据库操作

1. 加载驱动
2. 创建数据库链接
3. 创建Statement对象
4. 执行SQL获取数据（关注这里）
5. 数据转化
6. 资源释放



# 注解配置 ( 代码演示 )

@Mapper

```
public interface UserDao {  
    String TABLE_NAME = "user";  
    String INSERT_FIELDS = " name, password, salt, head_url ";  
    String SELECT_FIELDS = " id, name, password, salt, head_url ";  
    @Insert({"insert into ", TABLE_NAME, "(", INSERT_FIELDS,  
    ") Values ({name}, {password}, {salt}, {headUrl})"})  
    int addUser(User user);  
    @Select({"select ", SELECT_FIELDS, " from ", TABLE_NAME, " where id=#{id}"})  
    User selectById(int id);  
    @Update({"update ", TABLE_NAME, " set password = {password} where id=#{id}"})  
    void updatePassword(User user);  
    @Delete({"delete from ", TABLE_NAME, " where id = {id}"})  
    void deleteById(int id);  
}
```



## XML配置：在相同的包目录下定义的同名XML

```
<mapper namespace="com.nowcoder.dao.NewsDAO">
  <sql id="table">news</sql>
  <sql id="selectFields">id,title, link, image, like_count,
comment_count,created_date,user_id
</sql>
  <select id="selectByUserIdAndOffset" resultType="com.nowcoder.model.News">
    SELECT
    <include refid="selectFields"/>
    FROM
    <include refid="table"/>

    <if test="userId != 0">
      WHERE user_id = #{userId}
    </if>
    ORDER BY id DESC
    LIMIT #{offset},#{limit}
  </select>
</mapper>
```





## ViewObject/DateTool ( 代码演示 )

---

ViewObject:方便传递任何数据到Velocity

DateTool:velocity自带工具类导入





# 课后作业

---

- a) MyBatis集成
- b) 数据库Message , Comment建表
- c) CRUD练习
- d) 首页个人页练习



# Thanks



牛客网  
NOWCODER