1、创建项目

new->project 选择 spring 页签 ，next

New Project 
Java Enterprise 
'Boss 
C J2ME 
Clouds 
Spring 
Java 
Android 
IntelliJ Platform Plugin 
Project SDK: 1.8 
Choose Initializr Service URL. 
(S) Default: https://start.spring.io 
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Make sure your network connection is active before continuing 
"springlnlt'afizr 
m Maven 
Gradle 
o Groovy 
Grails 
Application Forge 
Static Web 
Flash 
Katlin 
Empty Project 
Previous 

Next

New Project 
Project Metadata 
Group: 
Artifact: 
Type: 
Language: 
Packaging: 
Java Version: 
Version: 
Name: 
Description: 
Package: 
demo 
Maven Project (Generate a Maven based project archive) 
Java 
8 
O.O.I-SNAPSHOT 
demo 
Demo project for Spring Boot 
mg demo 
Previou s 

Next

选中web标签中的web

New Project 
Dependencies 
Co re 
Template Engines 
Secu rity 
SQL 
NoSQL 
Integ ra tion 
Cloud Core 
Cloud Support 
Cloud Config 
Cloud Discovery 
Cloud Routing 
Cloud Circuit Breaker 
Cloud Tracing 
Cloud Messaging 
Cloud Contract 
Pivotal Cloud Foundry 
Amazon Web Services 
Azu re 
Google Cloud Platform 
Spring Boot 2.1.3 
Web 
Reactive Web 
Rest Repositories 
Rest Repositories HAL Browser 
HATEOAS 
Web Services 
Jersey 
Websocket 
REST Docs 
Vaadin 
Apache CXF 
Ratpack 
Mobile 
Web 
Servlet web application with Spring MVC and Tomcat 
Building a RESTfuI Web Service 
Serving Web Content with Spring MVC 
Building REST services with Spring 
Reference doc 
Previou s 
Selected Dependencies 
Web 
Web 

SQL标签中的Mysql和MyBatis

New Project 
Dependencies Q 
Web 
Template Engines 
Secu r i ty 
NoSQL 
Integ rati o n 
Cloud Core 
Cloud Support 
Cloud Config 
Cloud Discovery 
Cloud Routing 
Cloud Circuit Breaker 
Cloud Tracing 
Cloud Messaging 
Cloud Contract 
pivotal Cloud Foundry 
Amazon Web Services 
Google Cloud Platform 
1/0 
Spring Boot 2.1.3 
H2 
El JDBC 
PostgreSQL 
SQL Server 
Z HSQLDB 
Apache Derby 
Z Liquibase 
Flyway 
JOOQ 
MYSQL 
MySQL driver 
'cce55ing data with MySQL 
previous 
Selected Dependencies 
web 
Web 
SQL 
MySQL 
MyBatis 
Cancel 
Help 

Next - > finish,项目创建成功

start - IntelliJ IDEA (Administrator) 
Eile Edit yiew Navigate Code Analyze Refactor Build 
start 
Project 
start 
resources 
static 
templates 
application.properties 
.gitignore 
mvnw.cmd 
m pom.xml 
start.iml 
Scratches and Consoles 
Terminal Java Enterprise Spring 
6: TODO 
Run 
1001s VCS Window Help 
Search Everywhere Double Shift 
Go to File Ctrl+Shift+N 
Recent Files Ctrl+E 
Navigation Bar Alt+Home 
Drop files here to open 
o 
Maven projects need to be imported 
Import Changes Enable Auto-Import 
a.'ent Lag 
C] Maven projects need to be imported // Import Changes // Enable Auto-Import (moments ago) 

2、配置系统参数

打开application.properties，配置服务端口、数据库和mybatis

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rd-shineon@1234 
main] 
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2019-03-15 
- IntelliJ IDEA (Administrator) 
Window Help 
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start src main / resources 
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start.iml 
Scratches and Consoles 
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Completed initialization in 3 
Terminal Java Enterprise Spring 4: Run 
C] StartApplication: Failed to retrieve application JMX service URL (a minute ago) 
16:47 
GBK 
a.'ent Lag 
4 spaces 

####占用端口

server.port=81

####项目名称

server.servlet.context-path=/mt

####数据库驱动

spring.datasource.driver-class-name=com.mysql.jdbc.Driver

####数据库连接

spring.datasource.url=jdbc:mysql://127.0.0.1:3306/sweet?useUnicode=true&characterEncoding=utf-8

####数据库名称

spring.datasource.username=root

####数据库密码

spring.datasource.password=shineon@1234

####mybatis映射文件

mybatis.mapper-locations=classpath:mg/start/mapper/config/\*.xml

3、创建controller

创建HelloController

Eile Edit yiew Navigate Code Analyze Refactor 
start src main java mg start 
Project 
start 
mg start 
controller 
e HelloController 
mapper 
StartApplication 
resources 
static 
templates 
application.properties 
.gitignore 
mvnw.cmd 
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start.iml 
Scratches and Consoles 
start - [start] - IntelliJ IDEA (Administrator) 
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Build Run 1001s VCS Window Help 
controller HelloController 
* — "application.properties 
StartApplicationjava HelloController.java 
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public 
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String h 110 
"hello 
Terminal 
Java Enterprise 
Spring 
HelloController 
6: TODO 
7:14 CRLF : 
UTE-8 : 
a.'ent Lag 
4 spaces 

@RestController

publicclassHelloController{

@RequestMapping("/hello")

publicStringhello()

{

return"helloworld!!";

}

}

现在可以调用restful接口了，在startApplication中右键运行

Eile Edit yiew Navigate Code Analyze Refactor 
start src main java mg start 
start - (start] - IntelliJ IDEA (Administrator) 
public s 
Build Run 1001s VCS Window Help 
Project 
start 
mg start 
controller 
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Scratches and Consoles 
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6: TODO 
application.properties StartApplicationjava x HelloControllerjava 
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Attach annotations 
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Terminal 
Java Enterprise 
Spring 
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a.'ent Lag 
4 spaces 

浏览器中输入 <http://127.0.0.1:81/mt/hello>

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C G) 127 ℃ ． 住 1 ： 81 / mt / hello 
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helloworld!! 
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高 效 湃 于 协 一 马 

4、配置数据库

创建mapper的包，创建如下结构

start src main / resources 
Project 
start 
mg start 
controller 
config 
dao 
resources 
static 
templates 
application.properties 
.gitignore 
mvnw.cmd 
m pom.xml 
start.iml 
Scratches and Consoles 
Ru n: StartApplication > 
application.properties 

在config中创建mybatis的映射xml文件

Eile Edit yiew Navigate 
—start src main 
Project 
mapper PUBLIC 
s 
Code Analyze 
java mg 
start 
mg start 
controller 
mapper 
config 
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dao 
Refactor 
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Build Run Tools VCS 
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Window Help 
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encoding: JIF-8 
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StartApplicationjava 
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O QuestionsMapper 
e Questions 
StartApplication 
resources 
static 

<?xmlversion="1.0"encoding="UTF-8"?>

<!DOCTYPEmapperPUBLIC"-//mybatis.org//DTDMapper3.0//EN""http://mybatis.org/dtd/mybatis-3-mapper.dtd">

<mappernamespace="mg.start.mapper.dao.QuestionsMapper">

<selectid="selectAll"resultType="java.util.List">

select\*fromquestions

</select>

<selectid="getById"resultType="mtsm.mapper.pojo.Question">

select\*fromquestionswhereid=#{id}

</select>

</mapper>

在dao中创建QuestionsMapper接口

ma I n 
Project 
public inte f 
e Questi onsMapper 
Java 
start 
mg.start 
controller 
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config 
Qestions.xml 
dao 
O QuestionsMapper 
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resources 
static 
templates 
application.properties 
sta rt 
ma p per 
QuestionsMapper 
application.properties 
X QuestionsMapperjava 
Qestions.xml 
No IDEA annotations attached to the JDK 1.8 
package 
List selectA11 0 

packagemg.start.mapper.dao;

importmg.start.mapper.pojo.Questions;

importjava.util.List;

publicinterfaceQuestionsMapper{

ListselectAll();

QuestionsgetById(intid);

}

在pojo中创建Questions对象

—start src main —java 
Project 
start 
mg.start 
controller 
mapper 
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config 
mg 
Qestions.xml 
O QuestionsMapper 
e Questions 
StartApplication 
resources 
static 
templates 
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Questions 
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Qestions.xml 
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content; 
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qcontent, 
String et I evel { 
re tm-n qIeveI; 
Questions 

packagemg.start.mapper.pojo;

publicclassQuestions{

privateintid;

privateStringqcontent;

privateStringqlevel;

publicintgetId(){

returnid;

}

publicvoidsetId(intid){

this.id=id;

}

publicStringgetQcontent(){

returnqcontent;

}

publicvoidsetQcontent(Stringqcontent){

this.qcontent=qcontent;

}

publicStringgetQlevel(){

returnqlevel;

}

publicvoidsetQlevel(Stringqlevel){

this.qlevel=qlevel;

}

}

5、构建springUtil，用来获取spring容器中的对象

Project 
start 
implements Appli cati oncontextk.ar 
mg.start 
ppV cationContext) thro.s B an E 
controller 
mapper 
e Springutil 
StartApplication 
resources 
static 
templates 
application.properties 
.gitignore 
mvnw.cmd 
m pom.xml 
start.iml 
Scratches and Consoles 
application.properties 
StartApplicationjava 
X QuestionsMapperjava 
x Questionsjava 
Qestions.xml 
No IDEA annotations attached to the JDK 1.8 some issues will not be found 
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s SpringUtiI 
private 
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if (SpringlJtiL 
SpringlJtiL 
n text (Appllca o 
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getAppIicstionContext getBeuL (clazz) 
r e tm-n 
static 
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(S tri ng 
return getAppIicstionContext clazz) 
cl s 

packagemg.start;

importorg.springframework.beans.BeansException;

importorg.springframework.context.ApplicationContext;

importorg.springframework.context.ApplicationContextAware;

importorg.springframework.stereotype.Component;

@Component

publicclassSpringUtilimplementsApplicationContextAware{

privatestaticApplicationContext*applicationContext*;

@Override

publicvoidsetApplicationContext(ApplicationContextapplicationContext)throwsBeansException{

if(SpringUtil.*applicationContext*==null){

SpringUtil.*applicationContext*=applicationContext;

}

}

//获取applicationContext

publicstaticApplicationContextgetApplicationContext(){

return*applicationContext*;

}

//通过name获取Bean.

publicstaticObjectgetBean(Stringname){

return*getApplicationContext*().getBean(name);

}

//通过class获取Bean.

publicstatic<T>TgetBean(Class<T>clazz){

return*getApplicationContext*().getBean(clazz);

}

//通过name,以及Clazz返回指定的Bean

publicstatic<T>TgetBean(Stringname,Class<T>clazz){

return*getApplicationContext*().getBean(name,clazz);

}

}

6、设置spring扫描dao包，在springApplication中配置扫描注解

@MapperScan("mg.start.mapper.dao")

计算机生成了可选文字:
eSpringBOOtAppIicat10n 
public ' 1 ， ， 5 ， ， 轟 ， ， ： 、 ， iO 矗 { 
“ + ， ， 逗 ， “ [ 1 ” (S) { 
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7、创建测试类 Test

public class lest { 
Questi onsMapper 
Sys en println 
m println (qm), 
Sys t 
getEy1d (18258) 
Questi ons q 
Syste 
cue pr: 
getQ1eve1 

packagemg.start;

importmg.start.mapper.dao.QuestionsMapper;

importmg.start.mapper.pojo.Questions;

importorg.springframework.beans.factory.annotation.Autowired;

importorg.springframework.stereotype.Repository;

@Repository("test")

publicclassTest{

@Autowired

QuestionsMapperqm;

publicvoidgetQestion()

{

System.*out*.println(".............开始提取数据");

System.*out*.println(qm);

Questionsq=qm.getById(18258);

System.*out*.println("获取问题数据级别："+q.getQlevel());

}

}

8、运行获取数据库数据

在SpringApplication中增加test的运行

public c 
oid mai n (String[] { 
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运行结果：

binding MapperProxy@8ddg1837 
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completed 
s not found, 

**注意事项：**

1、调用数据库查询方法报：org.apache.ibatis.binding.BindingException: Invalid bound statement (not found)

查询class中是否生成对应的xml文件

解决方法：在pom.xml的build中增加配置项

<resources>

<resource>

<directory>src/main/java</directory>

<includes>

<include>\*\*/\*.xml</include>

</includes>

</resource>

</resources>

2、数据库查询，抛出异常：The server time zone value 'ÖÐ¹ú±ê×¼Ê±¼ä' is unrecognized or represents more than one time zone.

解决方法：数据库默认时区是美国时区，与现在的时间差8给小时，需要修改数据库的my.ini配置，增加配置项：

default-time-zone='+08:00'