[**第八篇：springboot整合mongodb**](http://blog.csdn.net/forezp/article/details/70941577)

参考：<http://blog.csdn.net/forezp/article/details/70941577>

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本文出自[方志朋的博客](http://blog.csdn.net/forezp)

这篇文章主要介绍springboot如何整合mongodb。

准备工作

* [安装 MongoDB](http://www.runoob.com/mongodb/mongodb-window-install.html)
* jdk 1.8
* maven 3.0
* idea

环境依赖

在pom文件引入spring-boot-starter-data-mongodb依赖：

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-mongodb</artifactId>

</dependency>

数据源配置

如果mongodb端口是默认端口，并且没有设置密码，可不配置，sprinboot会开启默认的。

spring.data.mongodb.uri=mongodb://localhost:27017/springboot-db

mongodb设置了密码，这样配置：

spring.data.mongodb.uri=mongodb://name:pass@localhost:27017/dbname

定义一个简单的实体

mongodb

package com.forezp.entity;

import org.springframework.data.annotation.Id;

public class Customer {

@Id

public String id;

public String firstName;

public String lastName;

public Customer() {}

public Customer(String firstName, String lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

@Override

public String toString() {

return String.format(

"Customer[id=%s, firstName='%s', lastName='%s']",

id, firstName, lastName);

}

}

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数据操作dao层

public interface CustomerRepository extends MongoRepository<Customer, String> {

public Customer findByFirstName(String firstName);

public List<Customer> findByLastName(String lastName);

}

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写一个接口，继承MongoRepository，这个接口有了几本的CURD的功能。如果你想自定义一些查询，比如根据firstName来查询，获取根据lastName来查询，只需要定义一个方法即可。注意firstName严格按照存入的mongodb的字段对应。在典型的java的应用程序，写这样一个接口的方法，需要自己实现，但是在springboot中，你只需要按照格式写一个接口名和对应的参数就可以了，因为springboot已经帮你实现了。

测试

@SpringBootApplication

public class SpringbootMongodbApplication implements CommandLineRunner {

@Autowired

private CustomerRepository repository;

public static void main(String[] args) {

SpringApplication.run(SpringbootMongodbApplication.class, args);

}

@Override

public void run(String... args) throws Exception {

repository.deleteAll();

// save a couple of customers

repository.save(new Customer("Alice", "Smith"));

repository.save(new Customer("Bob", "Smith"));

// fetch all customers

System.out.println("Customers found with findAll():");

System.out.println("-------------------------------");

for (Customer customer : repository.findAll()) {

System.out.println(customer);

}

System.out.println();

// fetch an individual customer

System.out.println("Customer found with findByFirstName('Alice'):");

System.out.println("--------------------------------");

System.out.println(repository.findByFirstName("Alice"));

System.out.println("Customers found with findByLastName('Smith'):");

System.out.println("--------------------------------");

for (Customer customer : repository.findByLastName("Smith")) {

System.out.println(customer);

}

}

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在springboot的应用程序，加入测试代码。启动程序，控制台打印了：

Customers found with findAll():   
——————————-   
Customer[id=58f880f589ffb696b8a6077e, firstName=’Alice’, lastName=’Smith’]   
Customer[id=58f880f589ffb696b8a6077f, firstName=’Bob’, lastName=’Smith’]   
Customer found with findByFirstName(‘Alice’):   
——————————–   
Customer[id=58f880f589ffb696b8a6077e, firstName=’Alice’, lastName=’Smith’]   
Customers found with findByLastName(‘Smith’):   
——————————–   
Customer[id=58f880f589ffb696b8a6077e, firstName=’Alice’, lastName=’Smith’]   
Customer[id=58f880f589ffb696b8a6077f, firstName=’Bob’, lastName=’Smith’]

测试通过。

源码下载：<https://github.com/forezp/SpringBootLearning>

参考资料

[accessing-data-mongodb](https://spring.io/guides/gs/accessing-data-mongodb/)

优秀文章推荐：

* 更多springboot 教程：[springBoot非官方教程 | 文章汇总](http://blog.csdn.net/forezp/article/details/70341818)
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