stackoverfloooooooow

Questions Tags Users Badges Unanswered Ask Question

Ten. Million. Questions. Let's celebrate all we've done together.

Expexted a column named toString to be in the result set

```
$ git push origin stackoverflowcareers    🐙 Add repos
```

▲
0
▼
☆

i want to user neo4j write Recommendations,micha has 2 friends,they all have rated movies,i white cypher to search ,but it went wrrong,why?hope someone can help me ,it disturb me for long error info

```
org.springframework.data.neo4j.support.conversion.NoSuchColumnFoundException: Expe
    at org.springframework.data.neo4j.support.conversion.ResultColumnValueExtractor.ex
    at org.springframework.data.neo4j.support.conversion.ResultColumnValueExtractor.ex
    at org.springframework.data.neo4j.support.conversion.QueryResultProxy.invoke(Query
    at com.sun.proxy.$Proxy128.toString(Unknown Source) ~[na:na]
    at java.lang.String.valueOf(String.java:2979) ~[na:1.8.0_05]
    at java.lang.StringBuilder.append(StringBuilder.java:131) ~[na:1.8.0_05]
    at java.util.AbstractCollection.toString(AbstractCollection.java:462) ~[na:1.8.0_0
    at java.lang.String.valueOf(String.java:2979) ~[na:1.8.0_05]
    at java.lang.StringBuilder.append(StringBuilder.java:131) ~[na:1.8.0_05]
    at com.oberon.fm.controller.UserController.profile(UserController.java:49) ~[UserC
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.8.0_05]
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) ~
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.ja
    at java.lang.reflect.Method.invoke(Method.java:483) ~[na:1.8.0_05]
    at org.springframework.web.bind.annotation.support.HandlerMethodInvoker.invokeHand
    at org.springframework.web.servlet.mvc.annotation.AnnotationMethodHandlerAdapter.i
    at org.springframework.web.servlet.mvc.annotation.AnnotationMethodHandlerAdapter.h
    at org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.
    at org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.j
    at org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServle
    at org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:85
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:618) [servlet-api.jar:n
    at org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:725) [servlet-api.jar:n
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFil
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52) [tomcat-
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFil
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain
```

```
    at org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal(Charact
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilt
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFil
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain
    at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:
    at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:
    at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.ja
```

my controller

```
@RequestMapping(value = "/user", method = RequestMethod.GET)
public String profile(Model model){
    User user=populator.FindByLogin("micha");
    model.addAttribute("user", user);
    model.addAttribute("recommendations", movieRepository.getRecommendations(user));
    log.debug("===== recommendations ====="+movieRepository.getRecommendations(user)

    return "user/index";
}
```

my repository

```
  @Query( "start user=node({0}) " +
  " match user-[r:RATED]->movie<-[r2:RATED]-other-[r3:RATED]->otherMovie "
  + " where r.stars >= 3 and r2.stars >= r.stars and r3.stars >= r.stars "
  + " return otherMovie, avg(r3.stars) as rating, count(*) as cnt" +
  " order by rating desc, cnt desc"+ " limit 10")
List<MovieRecommendation> getRecommendations(User user);
```

my movieRecommendation class

```
package com.oberon.fm.domain;

import org.springframework.data.neo4j.annotation.MapResult;
import org.springframework.data.neo4j.annotation.ResultColumn;
@MapResult
public interface MovieRecommendation {
@ResultColumn("otherMovie")
Movie getMovie();

@ResultColumn("rating")
int getRating();

}
```

new MovieRecommendation.class and cypher

```
package com.oberon.fm.domain;


import org.springframework.data.neo4j.annotation.QueryResult;
@QueryResult
public class MovieRecommendation {

Movie movie;
int rating;
}
```

repository method:

```
@Query("match (user:User {login: {0}})-[r:RATED]->(movie)<-[r2:RATED]-(other)-[r3:RA
            + " where r.stars >= 3 and r2.stars >= r.stars and r3.stars >= r.stars "
            + " with otherMovie, avg(r3.stars) as rating, count(*) as cnt"
            + " order by rating desc, cnt desc"
            + " return otherMovie limit 10")
    List<MovieRecommendation> getRecommendations(User user);
```

when i log the MovieRecommendation,it return `===== recommendations =====[]`

`neo4j`   `cypher`   `spring-data-neo4j`

share improve this question

edited Apr 18 at 17:00   asked Apr 13 at 9:27
Michael Hunger   yang
25.2k ● 2 ● 21 ● 41   45 ● 8

---

what does your `MovieRecommendation` class look like? – Michael Hunger Apr 13 at 10:36

i have uploaded the recommendation,i am so appeicated that you help me for serval times duiring my
learning-neo4j, – yang Apr 14 at 0:57

Michael,i have another problem,if you have time,please went to have a look
stackoverflow.com/questions/29505787/... – yang Apr 14 at 1:13

i have solved the problem by changing the class and cypher ,but i still cant getRecommnedation,i have
uploaded the code and log,where is wrong? – yang Apr 14 at 5:11

add a comment

add a comment

1 Answer

▲

1

▼

What you return has to match the class structure of the class annotated with `@QueryResult` , it has movie and rating, you only return a movie:

Change your return clause to this:

```
return otherMovie as movie, rating
```

share improve this answer

answered Apr 18 at 17:01

[Michael Hunger](#)
25.2k ● 2 ● 21 ● 41

add a comment

Your Answer

B	*I*	🔗 66 {} 🖼	📑 ≔ ⊟ ⊟	↶ ↷

Sign up or **log in**

- 🔵 Sign up using Google
- 🔵 Sign up using Facebook
- 🔵 Sign up using Stack Exchange

Post as a guest

Name

[_____]

Email

[required, but never shown____]

Post Your Answer

By posting your answer, you agree to the [privacy policy](#) and [terms of service](#).

Not the answer you're looking for? Browse other questions tagged neo4j   cypher   spring-data-neo4j or [ask your own question](#).

🔶 question feed

TECHNOLOGY			LIFE / ARTS	CULTURE / RECREATION	SCIENCE	OTHER
Stack Overflow	Programmers	Database Administrators	Photography	English Language & Usage	Mathematics	Stack Apps
Server Fault	Unix & Linux	Drupal Answers	Science Fiction & Fantasy	Skeptics	Cross Validated (stats)	Meta Stack Exchange
Super User	Ask Different (Apple)	SharePoint	Graphic Design	Mi Yodeya (Judaism)	Theoretical Computer Science	Area 51
Web Applications	WordPress Development	User Experience	Movies & TV	Travel	Physics	Stack Overflow Careers
Ask Ubuntu	Geographic Information Systems	Mathematica	Seasoned Advice (cooking)	Christianity	MathOverflow	
Webmasters		Salesforce	Home Improvement	Arqade (gaming)	Chemistry	
Game Development	Electrical Engineering	ExpressionEngine®		Bicycles	Biology	

TeX - LaTeX

Android Enthusiasts

Information Security

Answers

more (13)

Personal Finance & Money

Academia

more (9)

Role-playing Games

more (21)

more (5)