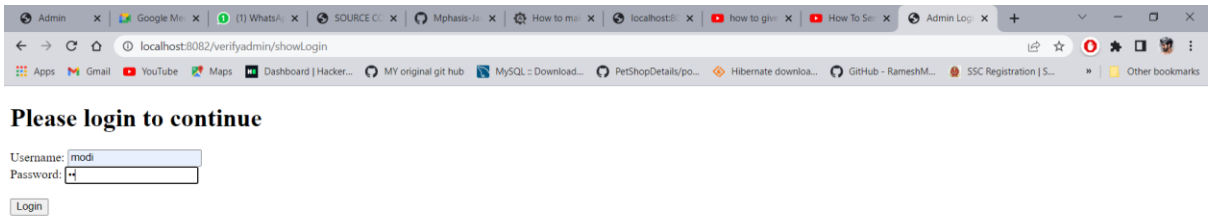
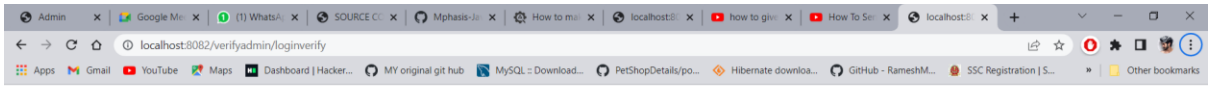
Online Quiz Portal App

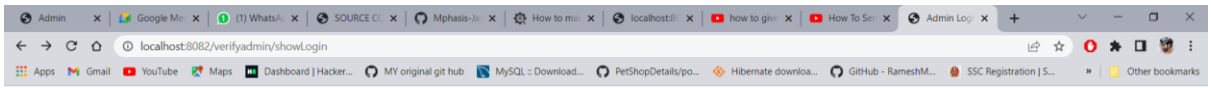
1. Here I created Two applications(1.Quiz ,2.QuizUser).
2. I made the connection for the two Microservices.

Screenshots of The 1.Quiz:





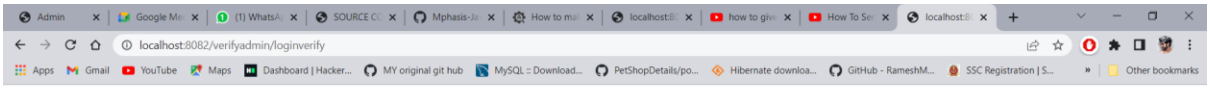
Login Successful



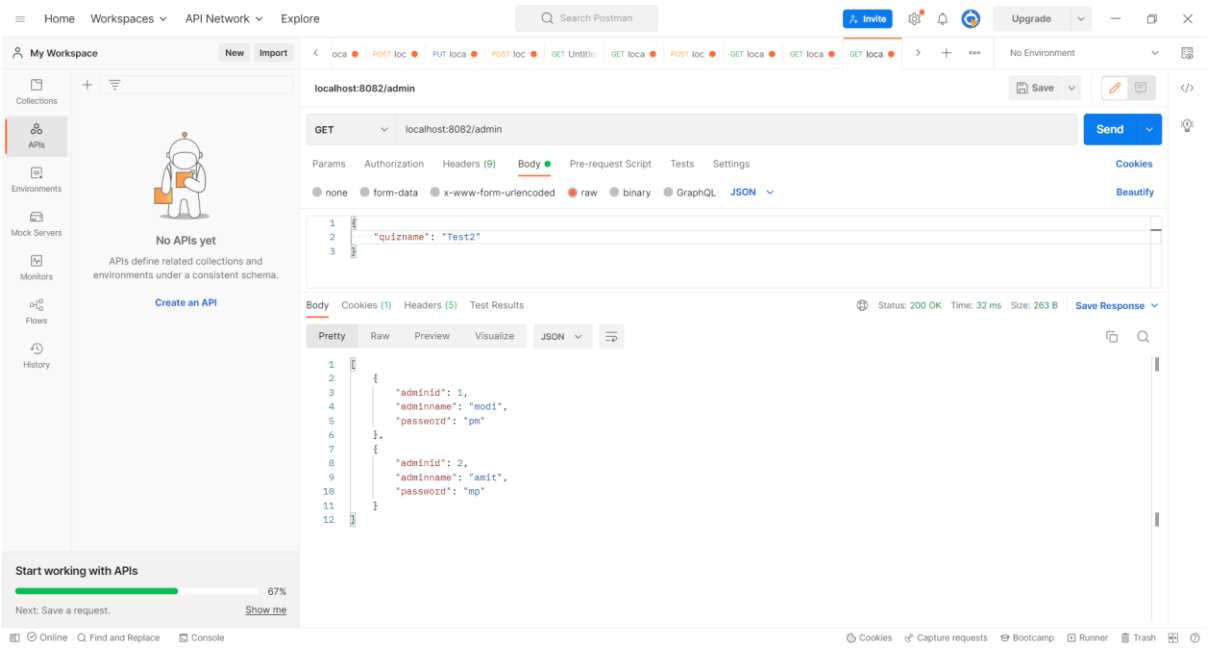
Please login to continue

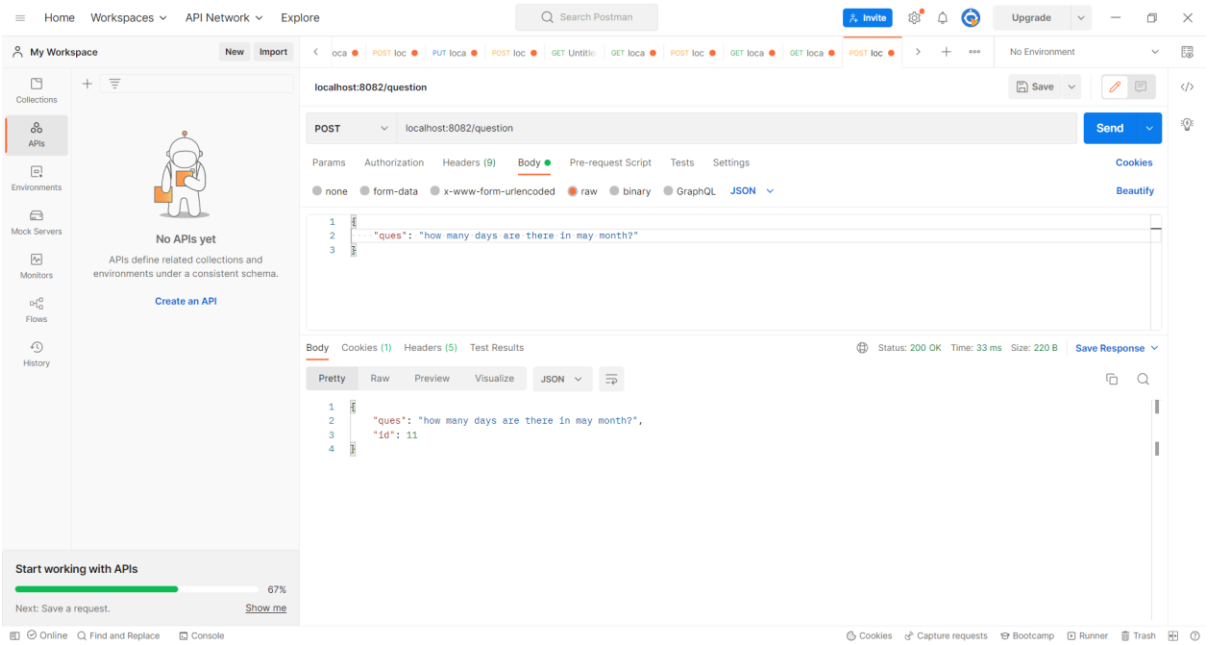
Username: rahul
Password: •••

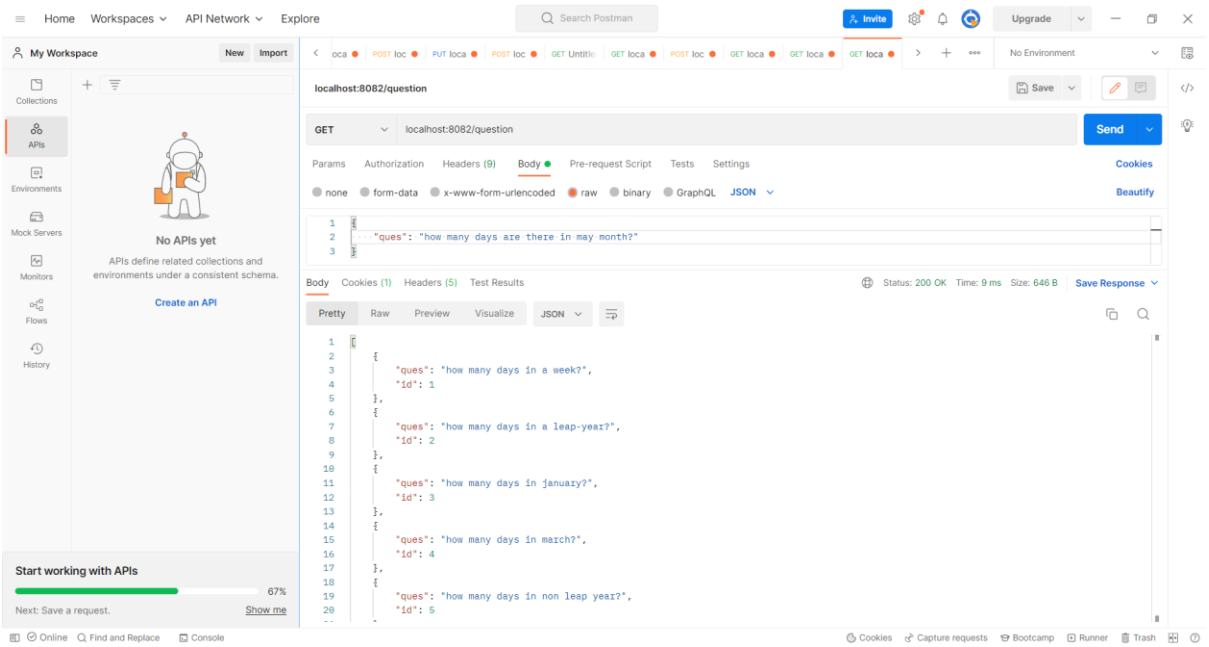
Login

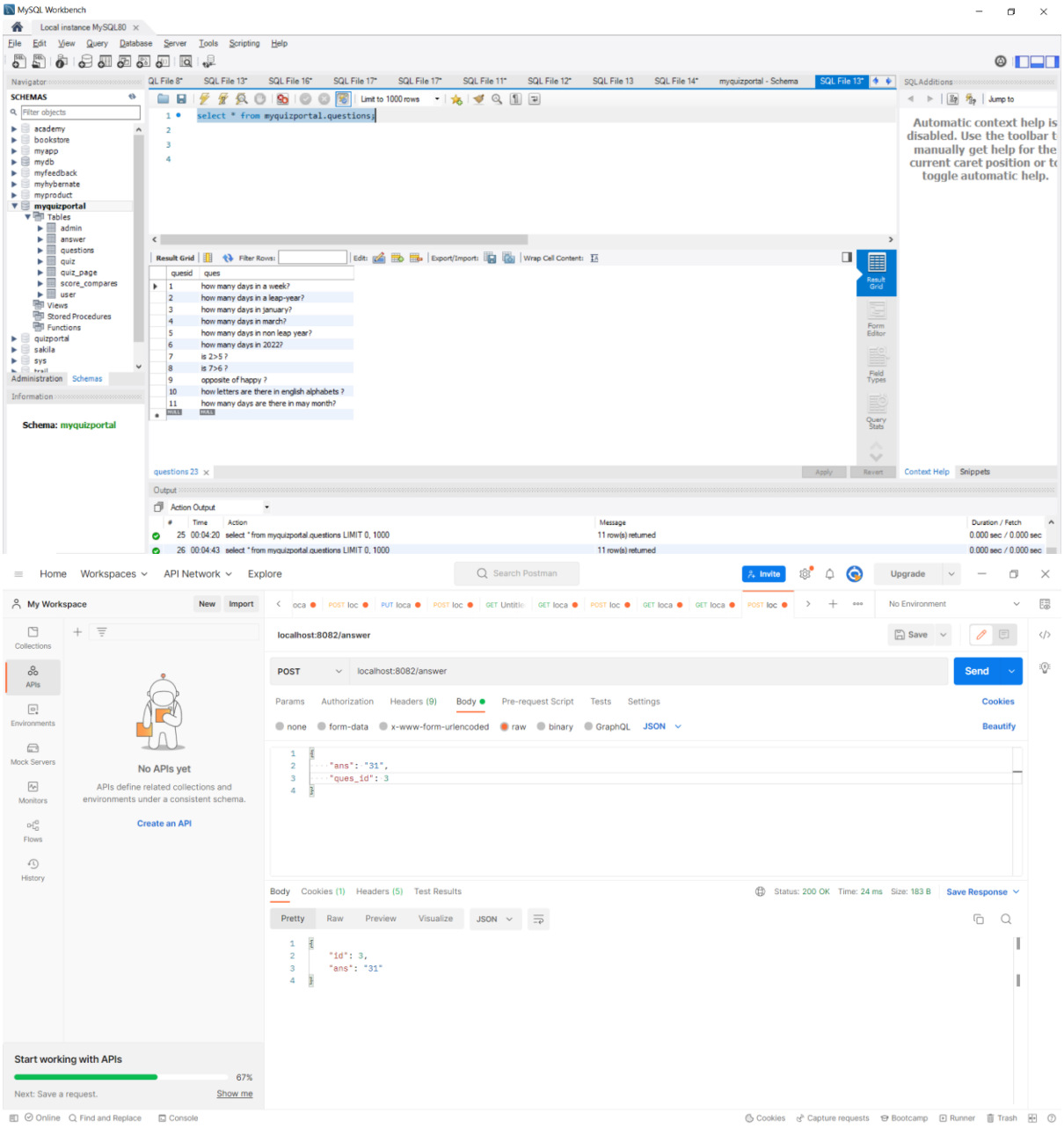


Admin with Username: rahul password ghh not found.

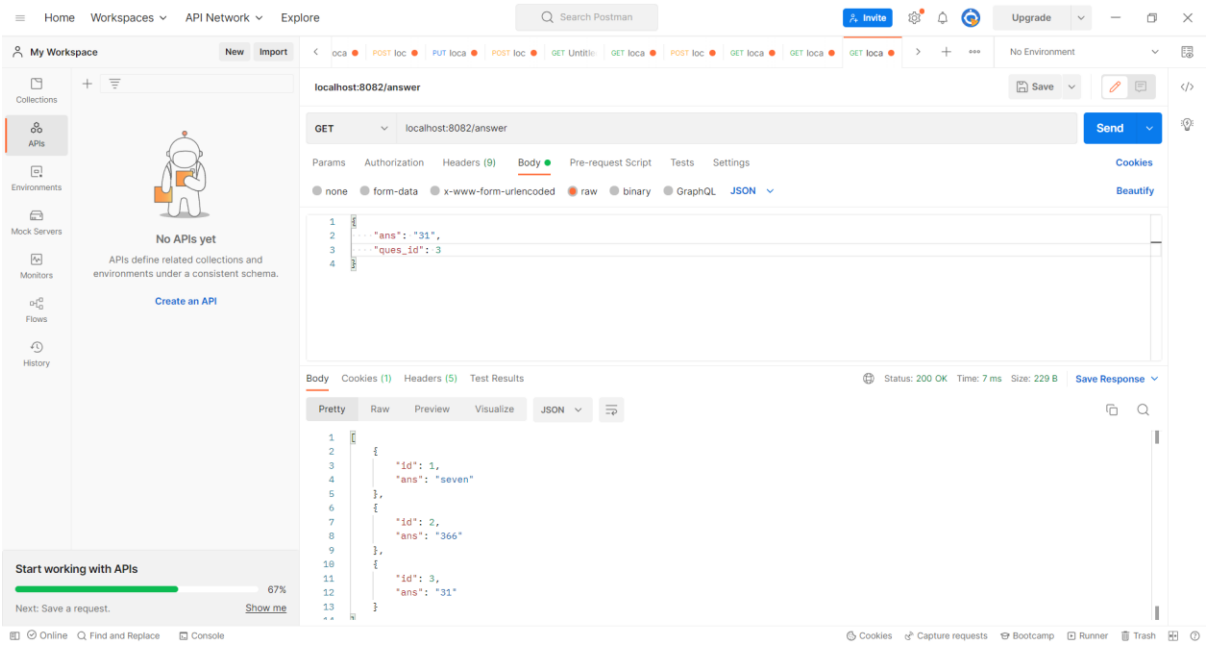


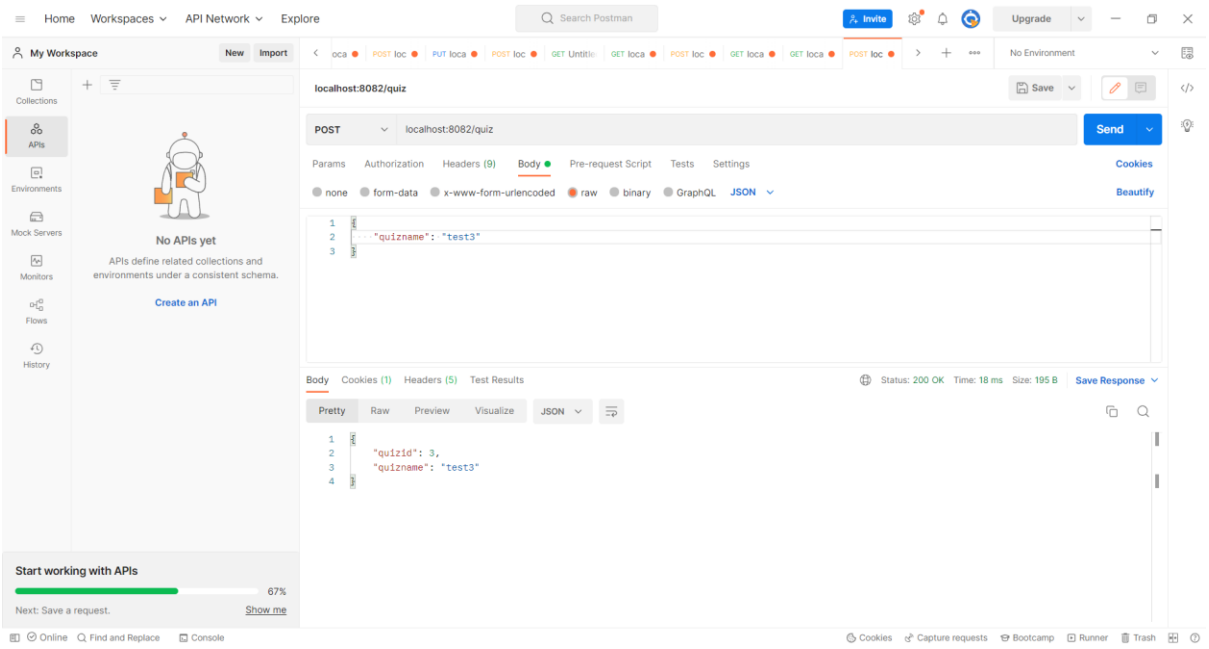

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
localhost:8082/question
Save
POST
localhost:8082/question
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1 {
2 "ques": "how many days are there in may month?"
3 }
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 33 ms
Size: 220 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
1 {
2 "ques": "how many days are there in may month?",
3 "id": 11
4 }
Start working with APIs
67%
Next: Save a request.
Show me
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

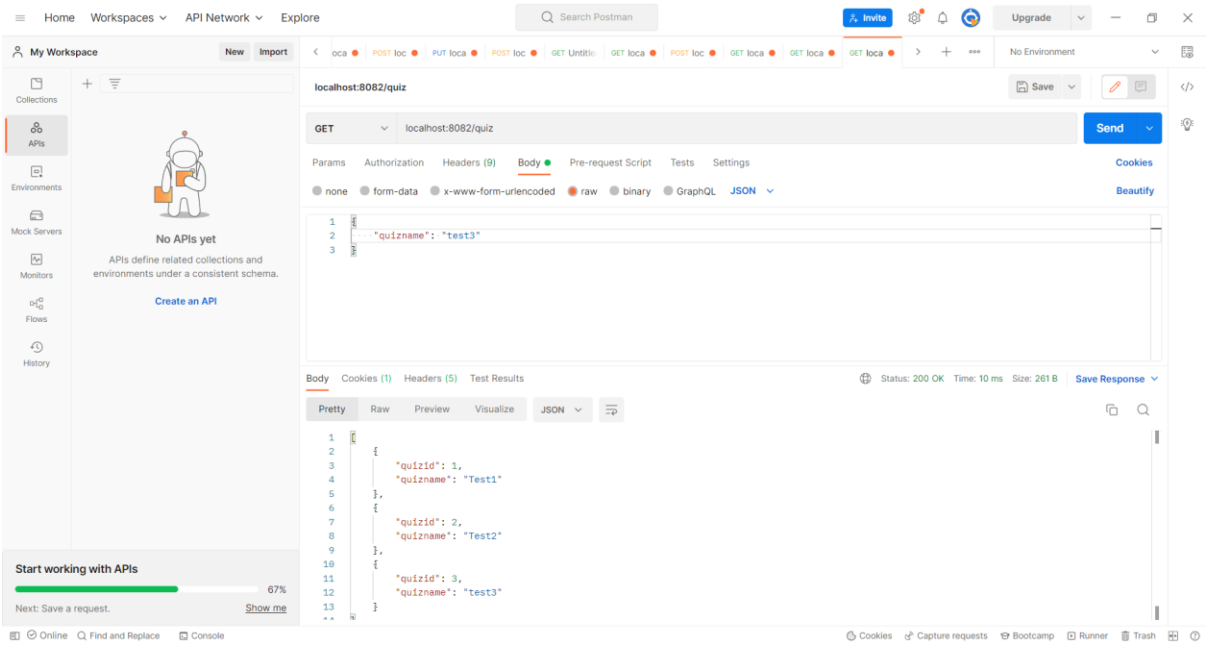

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
localhost:8082/question
Save
GET
localhost:8082/question
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1 {
2 "ques": "how many days are there in may month?"
3 }
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 9 ms
Size: 646 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
1 [
2 {
3 "ques": "how many days in a week?",
4 "id": 1
5 },
6 {
7 "ques": "how many days in a leap-year?",
8 "id": 2
9 },
10 {
11 "ques": "how many days in january?",
12 "id": 3
13 },
14 {
15 "ques": "how many days in march?",
16 "id": 4
17 },
18 {
19 "ques": "how many days in non leap year?",
20 "id": 5
Start working with APIs
67%
Next: Save a request.
Show me
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SCHEMAS
myquizportal
Tables
admin
answer
questions
quiz
quiz_page
score_compares
user
Views
Stored Procedures
Functions
Schema: myquizportal
select * from myquizportal.questions;
Result Grid
quesid ques
1 how many days in a week?
2 how many days in a leap-year?
3 how many days in january?
4 how many days in march?
5 how many days in non leap year?
6 how many days in 2022?
7 is 2>5 ?
8 is 7>6 ?
9 opposite of happy ?
10 how letters are there in english alphabets ?
11 how many days are there in may month?
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Output
Action Output
25 00:04:20 select * from myquizportal.questions LIMIT 0, 1000 11 row(s) returned 0.000 sec / 0.000 sec
26 00:04:43 select * from myquizportal.questions LIMIT 0, 1000 11 row(s) returned 0.000 sec / 0.000 sec

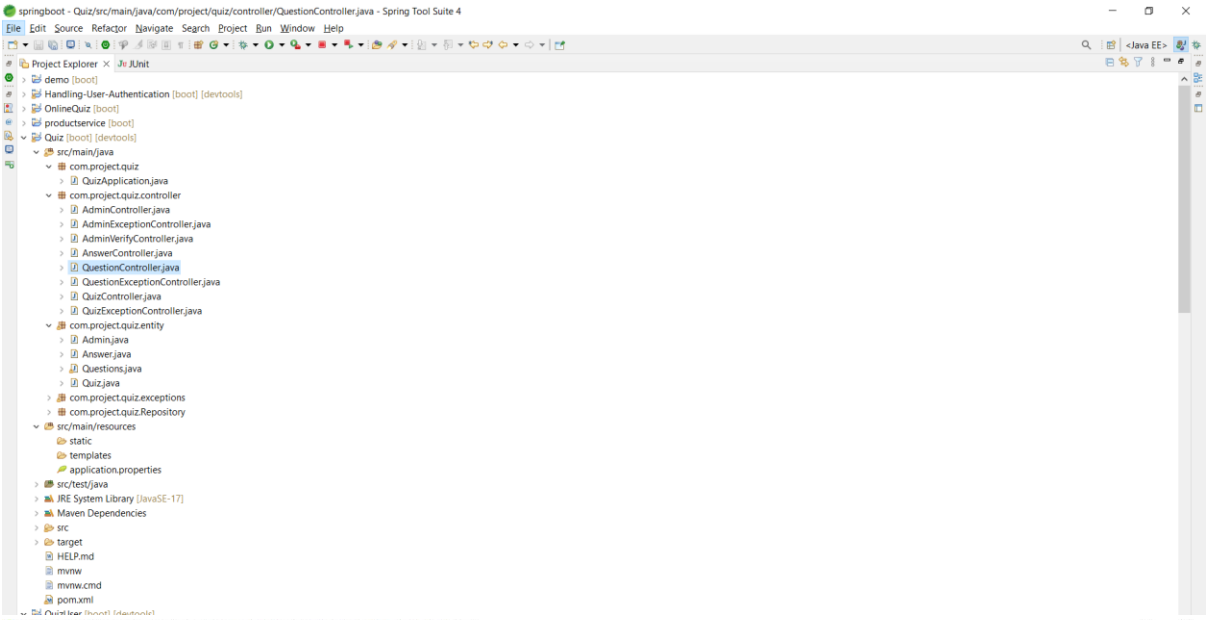
Home Workspaces API Network Explore
Search Postman
Invite
Upgrade
My Workspace
New Import
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8082/answer
POST
localhost:8082/answer
Send
Params Authorization Headers (9) Body Pre-request Script Tests Settings
Cookies
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Beautify
"ans": "31",
"ques_id": 3
Body Cookies (1) Headers (5) Test Results
Status: 200 OK Time: 24 ms Size: 183 B
Save Response
Pretty Raw Preview Visualize JSON
"id": 3,
"ans": "31"
No Environment
Online Find and Replace Console
Cookies Capture requests Bootcamp Runner Trash

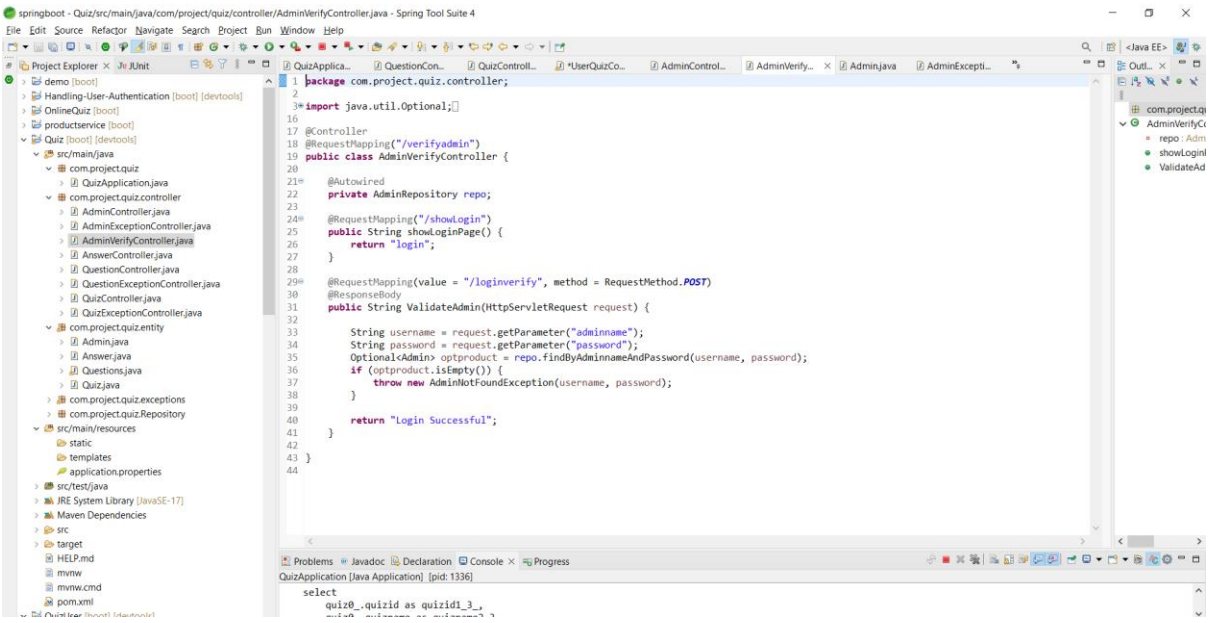

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8082/answer
Save
GET
localhost:8082/answer
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"ans": "31",
"ques_id": 3
}
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 7 ms
Size: 229 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
[
{
"id": 1,
"ans": "seven"
},
{
"id": 2,
"ans": "366"
},
{
"id": 3,
"ans": "31"
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

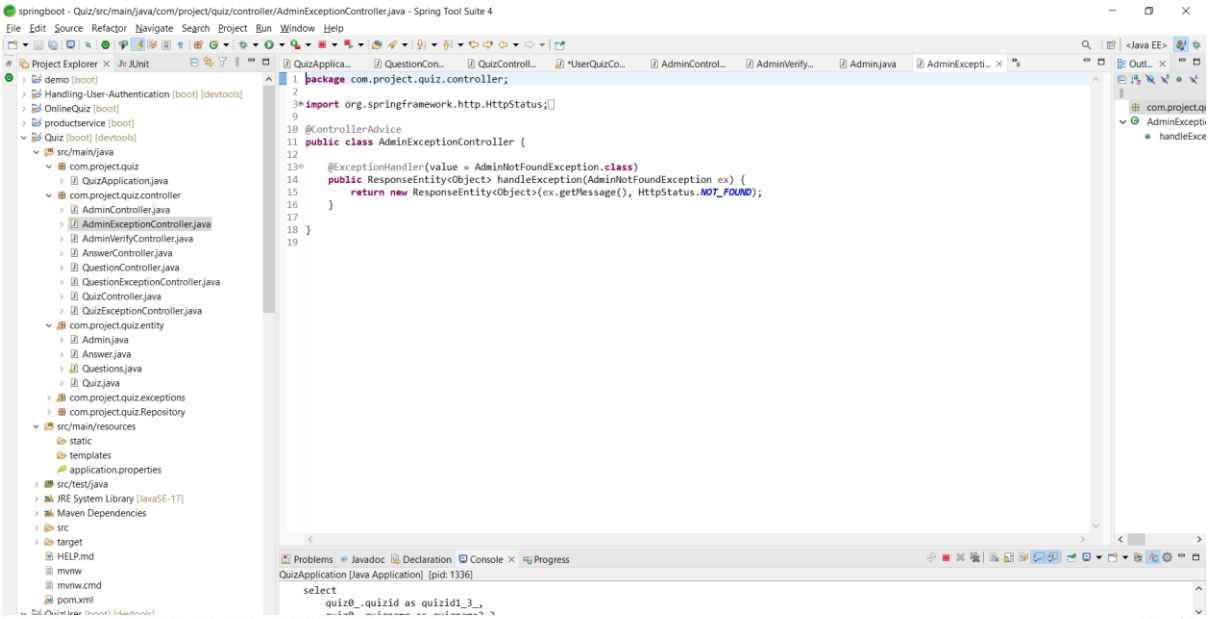

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8082/quiz
Save
POST
localhost:8082/quiz
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"quizname": "test3"
}
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 18 ms
Size: 195 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"quizid": 3,
"quizname": "test3"
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

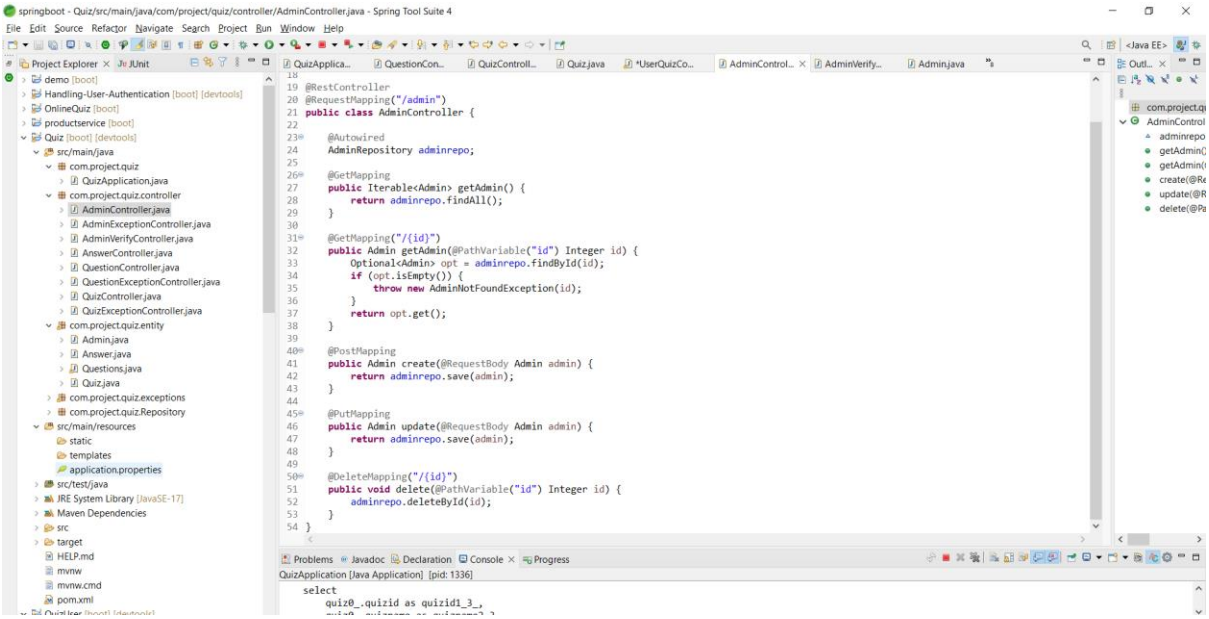

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8082/quiz
Save
GET
localhost:8082/quiz
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1 {
2 "quizname": "test3"
3 }
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 10 ms
Size: 261 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
1 [
2 {
3 "quizid": 1,
4 "quizname": "Test1"
5 },
6 {
7 "quizid": 2,
8 "quizname": "Test2"
9 },
10 {
11 "quizid": 3,
12 "quizname": "test3"
13 }
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

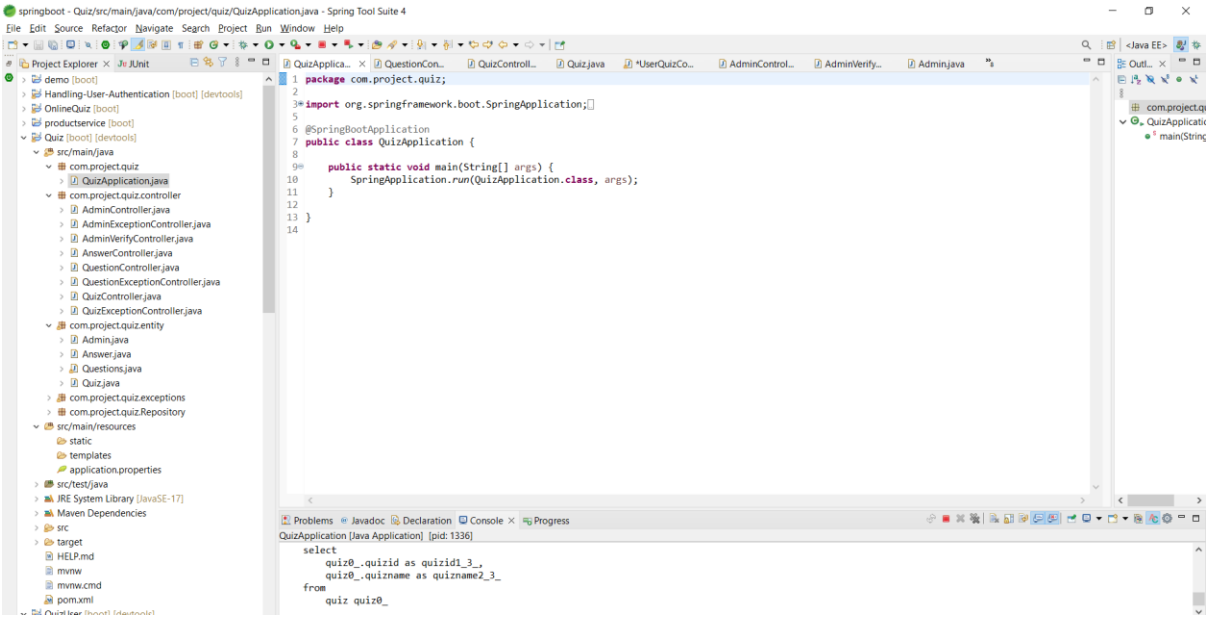
Below is the 1.Quiz app Code structure & code screenshots

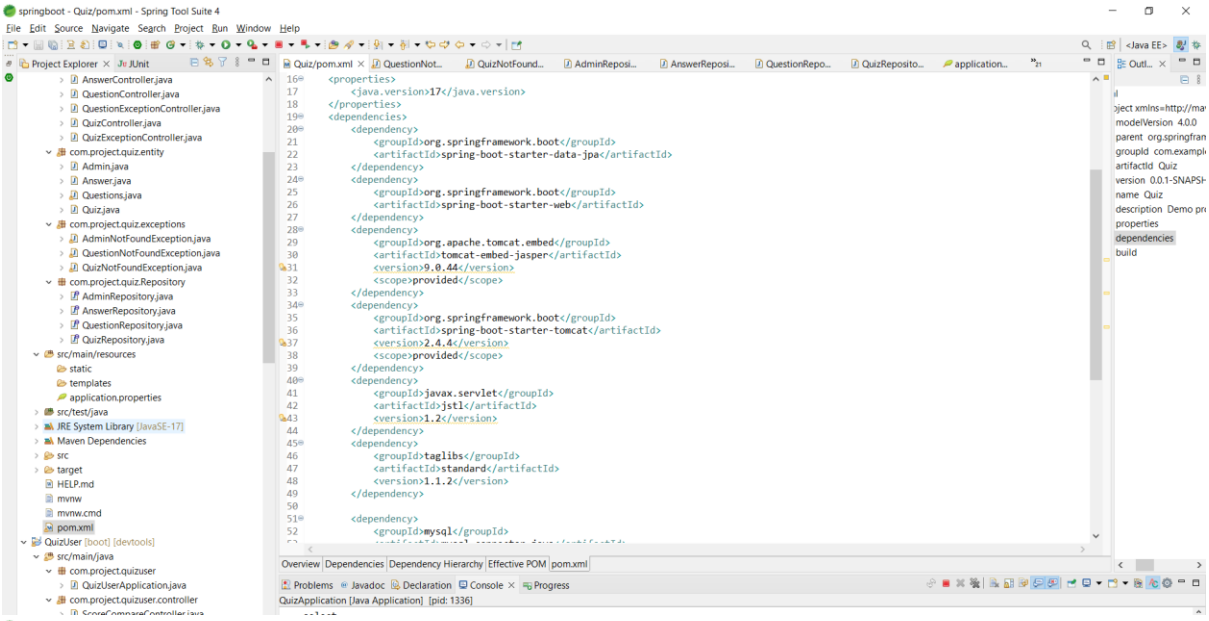


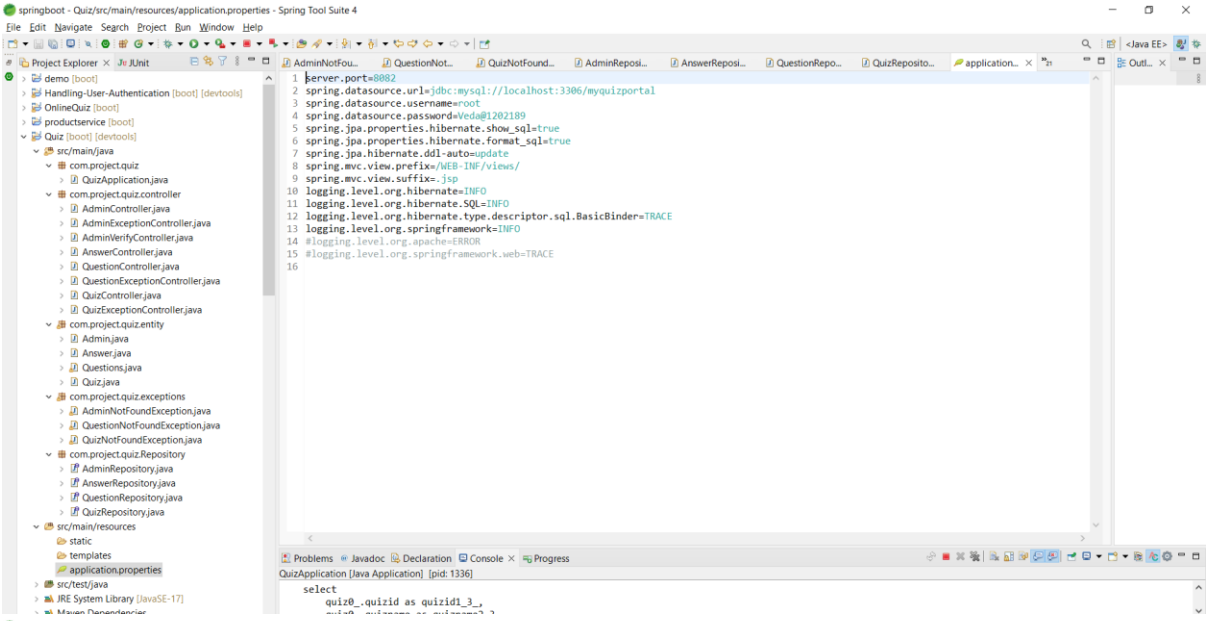


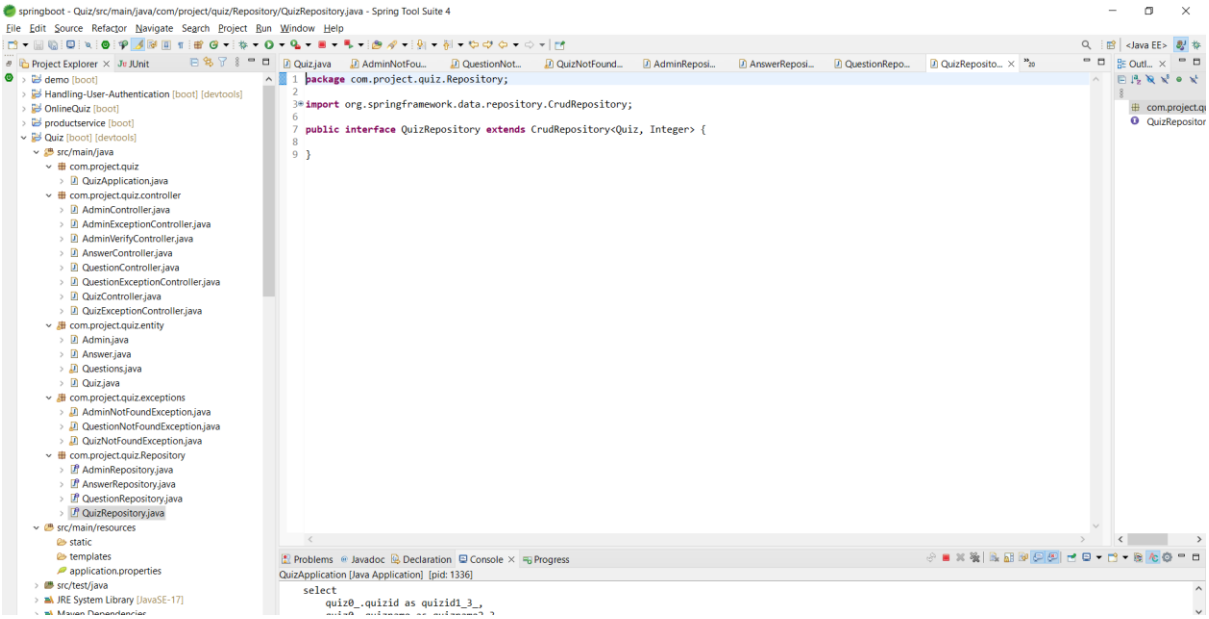

springboot - Quiz/src/main/java/com/project/quiz/controller/AdminExceptionController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
1 package com.project.quiz.controller;
3 import org.springframework.http.HttpStatus;
10 @ControllerAdvice
11 public class AdminExceptionController {
13 @ExceptionHandler(value = AdminNotFoundException.class)
14 public ResponseEntity<Object> handleException(AdminNotFoundException ex) {
15 return new ResponseEntity<Object>(ex.getMessage(), HttpStatus.NOT_FOUND);
16 }
18 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

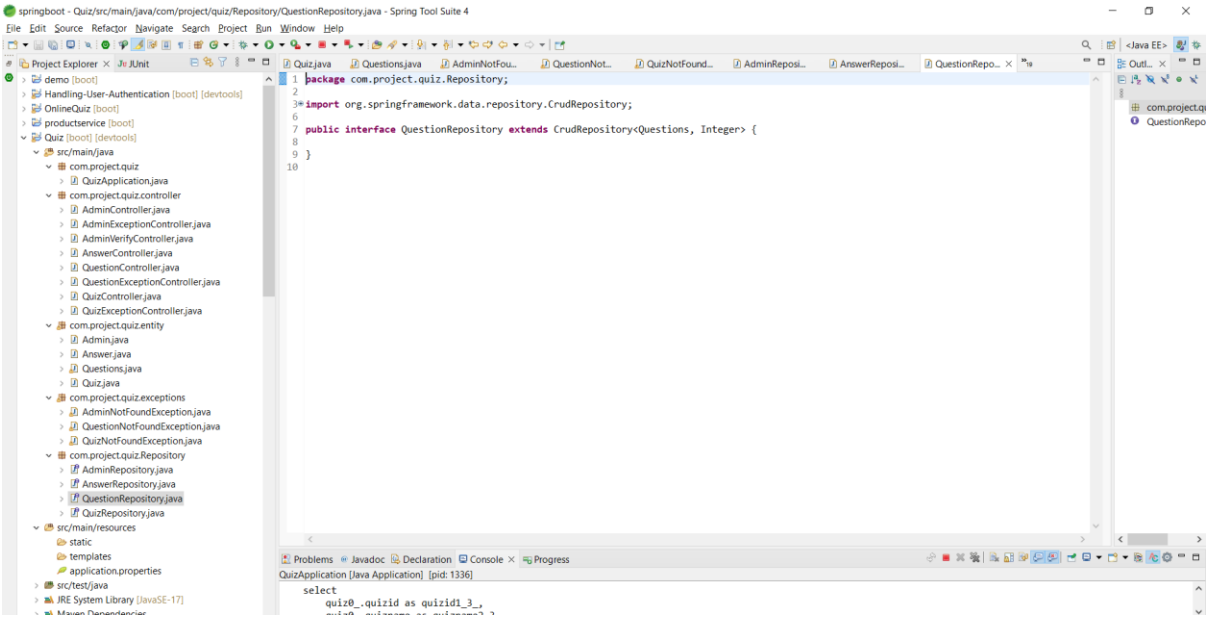

springboot - Quiz/src/main/java/com/project/quiz/controller/AdminController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
19 @RestController
20 @RequestMapping("/admin")
21 public class AdminController {
23 @Autowired
24 AdminRepository adminrepo;
26 @GetMapping
27 public Iterable<Admin> getAdmin() {
28 return adminrepo.findAll();
29 }
31 @GetMapping("/{id}")
32 public Admin getAdmin(@PathVariable("id") Integer id) {
33 Optional<Admin> opt = adminrepo.findById(id);
34 if (opt.isEmpty()) {
35 throw new AdminNotFoundException(id);
36 }
37 return opt.get();
38 }
40 @PostMapping
41 public Admin create(@RequestBody Admin admin) {
42 return adminrepo.save(admin);
43 }
45 @PutMapping
46 public Admin update(@RequestBody Admin admin) {
47 return adminrepo.save(admin);
48 }
50 @DeleteMapping("/{id}")
51 public void delete(@PathVariable("id") Integer id) {
52 adminrepo.deleteById(id);
53 }
54 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

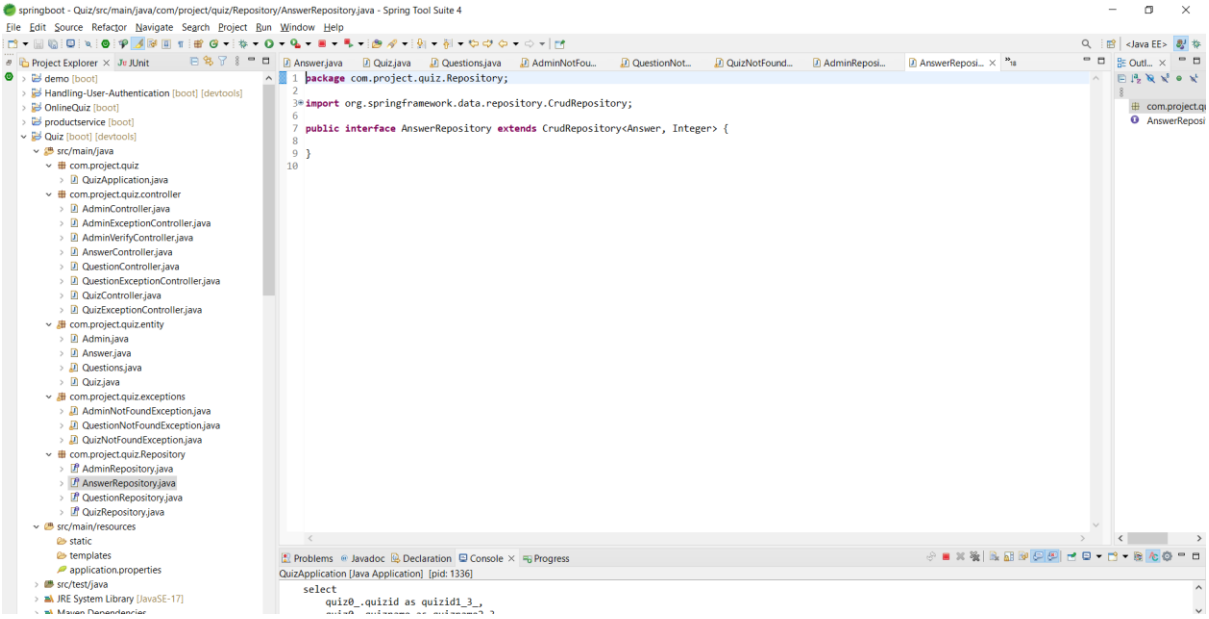

springboot - Quiz/src/main/java/com/project/quiz/QuizApplication.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
1 package com.project.quiz;
3 import org.springframework.boot.SpringApplication;
6 @SpringBootApplication
7 public class QuizApplication {
9 public static void main(String[] args) {
10 SpringApplication.run(QuizApplication.class, args);
11 }
13 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,
quiz0_.quizname as quizname2_3_
from
quiz quiz0_

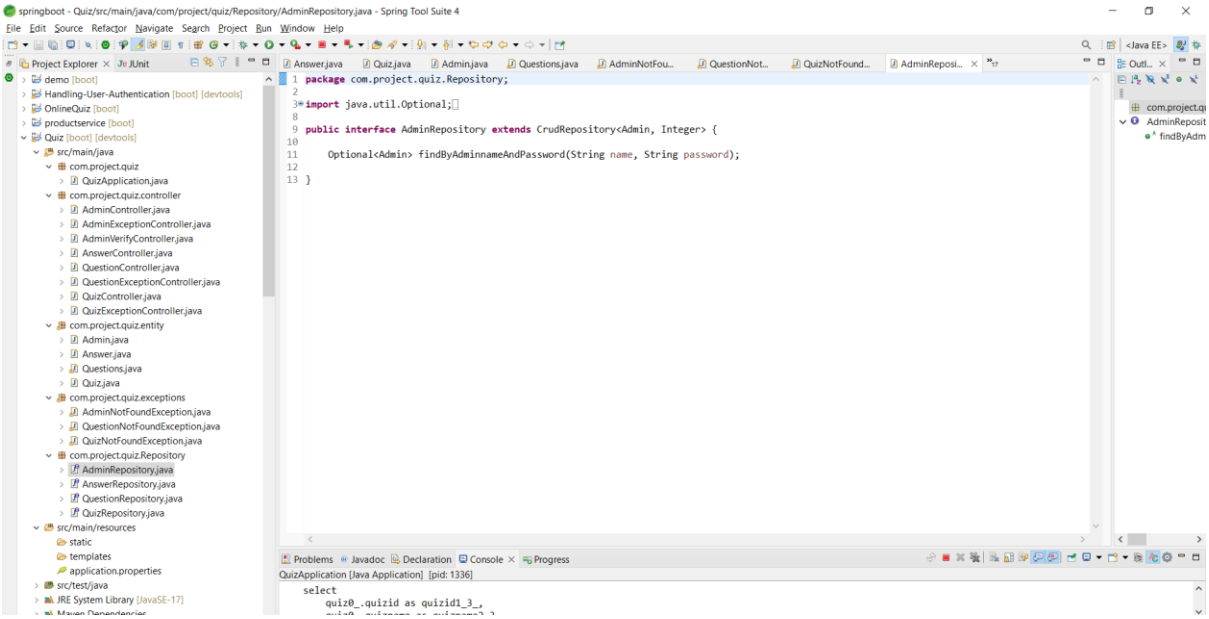

springboot - Quiz/pom.xml - Spring Tool Suite 4
File Edit Source Navigate Search Project Run Window Help
Project Explorer
JUnit
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
Quiz/pom.xml
QuestionNot...
QuizNotFound...
AdminReposi...
AnswerReposi...
QuestionRepo...
QuizReposito...
application...
<properties>
<java.version>17</java.version>
</properties>
<dependencies>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-data-jpa</artifactId>
</dependency>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-web</artifactId>
</dependency>
<dependency>
<groupId>org.apache.tomcat.embed</groupId>
<artifactId>tomcat-embed-jasper</artifactId>
<version>9.0.44</version>
<scope>provided</scope>
</dependency>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-tomcat</artifactId>
<version>2.4.4</version>
<scope>provided</scope>
</dependency>
<dependency>
<groupId>javax.servlet</groupId>
<artifactId>jstl</artifactId>
<version>1.2</version>
</dependency>
<dependency>
<groupId>taglibs</groupId>
<artifactId>standard</artifactId>
<version>1.1.2</version>
</dependency>
<dependency>
<groupId>mysql</groupId>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]

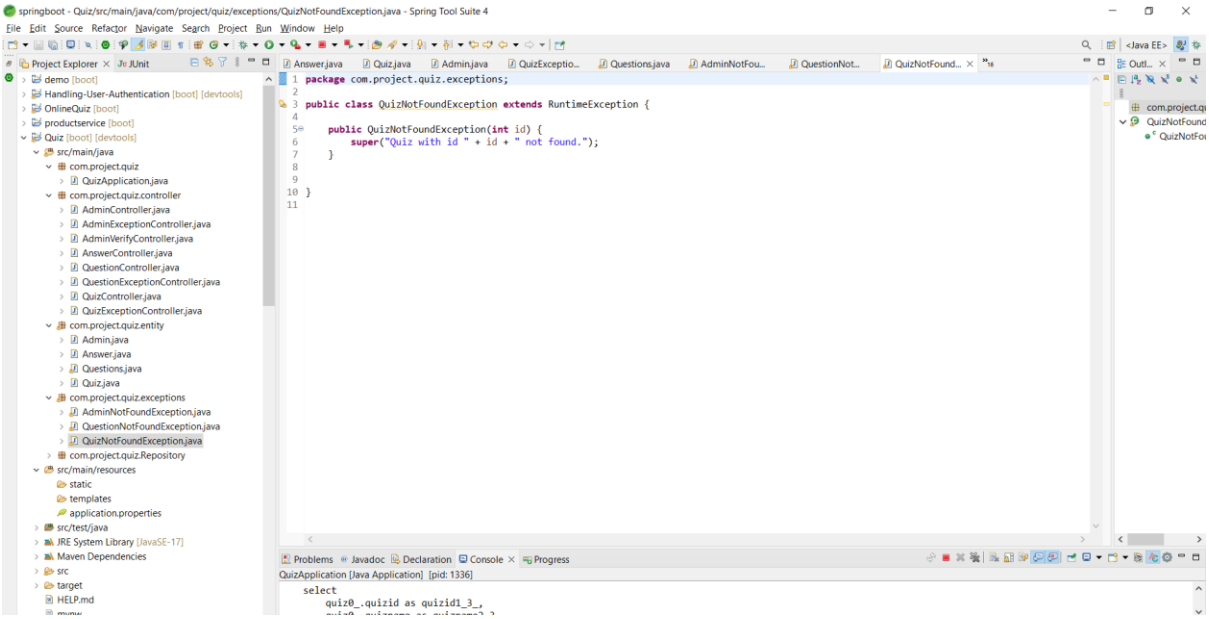

springboot - Quiz/src/main/resources/application.properties - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer
JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
server.port=8082
spring.datasource.url=jdbc:mysql://localhost:3306/myquizportal
spring.datasource.username=root
spring.datasource.password=Veda@1202189
spring.jpa.properties.hibernate.show_sql=true
spring.jpa.properties.hibernate.format_sql=true
spring.jpa.hibernate.ddl-auto=update
spring.mvc.view.prefix=/WEB-INF/views/
spring.mvc.view.suffix=.jsp
logging.level.org.hibernate=INFO
logging.level.org.hibernate.SQL=INFO
logging.level.org.hibernate.type.descriptor.sql.BasicBinder=TRACE
logging.level.org.springframework=INFO
#logging.level.org.apache=ERROR
#logging.level.org.springframework.web=TRACE
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

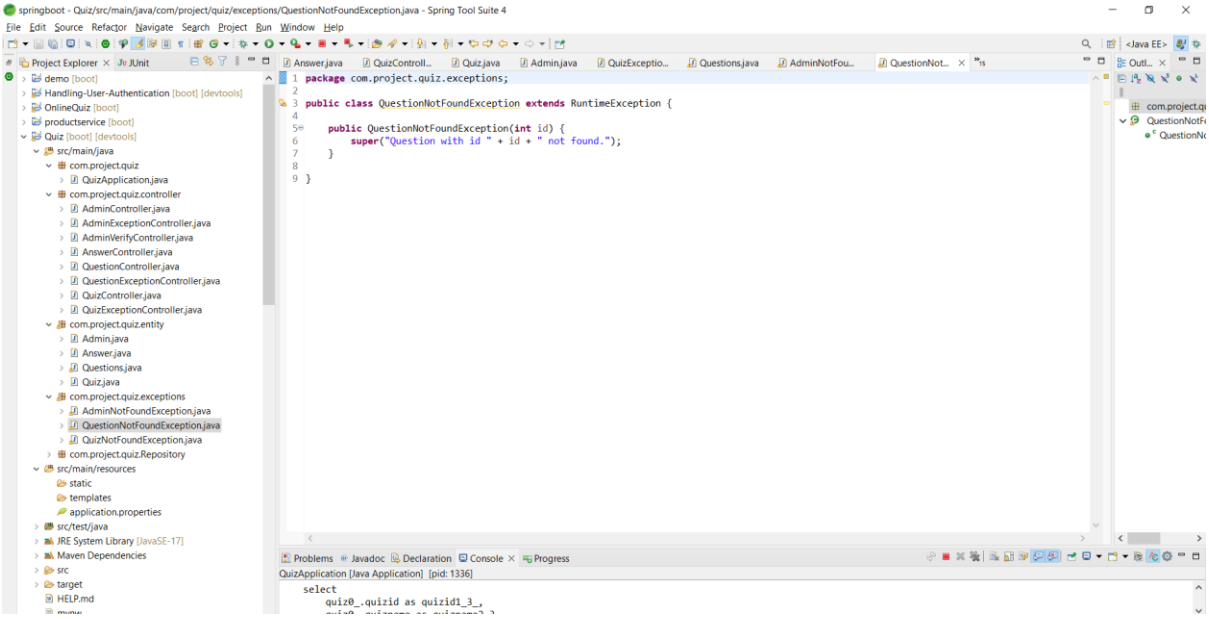

springboot - Quiz/src/main/java/com/project/quiz/Repository/QuizRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Quiz.java
QuizReposito...
package com.project.quiz.Repository;
import org.springframework.data.repository.CrudRepository;
public interface QuizRepository extends CrudRepository<Quiz, Integer> {
}
com.project.qu
QuizRepositor
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

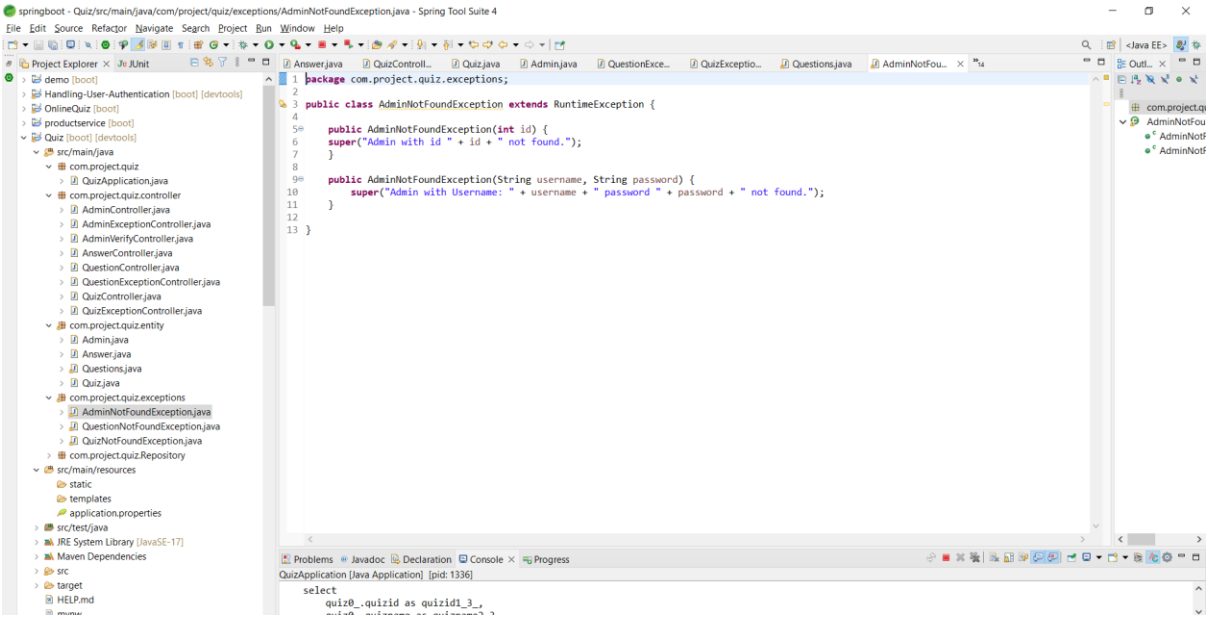

springboot - Quiz/src/main/java/com/project/quiz/Repository/QuestionRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Quiz.java
Questions.java
AdminNotFou...
QuestionNot...
QuizNotFound...
AdminReposi...
AnswerReposi...
QuestionRepo...
1 package com.project.quiz.Repository;
2
3 import org.springframework.data.repository.CrudRepository;
6
7 public interface QuestionRepository extends CrudRepository<Questions, Integer> {
8
9 }
10
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

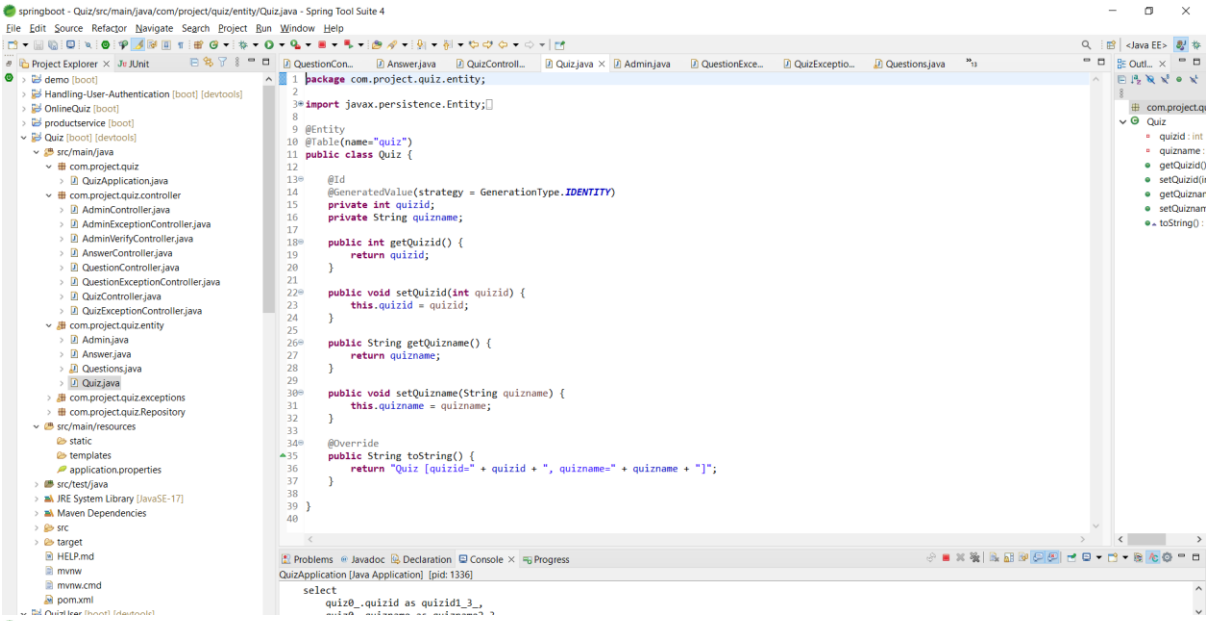

springboot - Quiz/src/main/java/com/project/quiz/Repository/AnswerRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Answer.java
Quiz.java
Questions.java
AdminNotFou...
QuestionNot...
QuizNotFound...
AdminReposi...
AnswerReposi...
1 package com.project.quiz.Repository;
2
3 import org.springframework.data.repository.CrudRepository;
6
7 public interface AnswerRepository extends CrudRepository<Answer, Integer> {
8
9 }
10
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

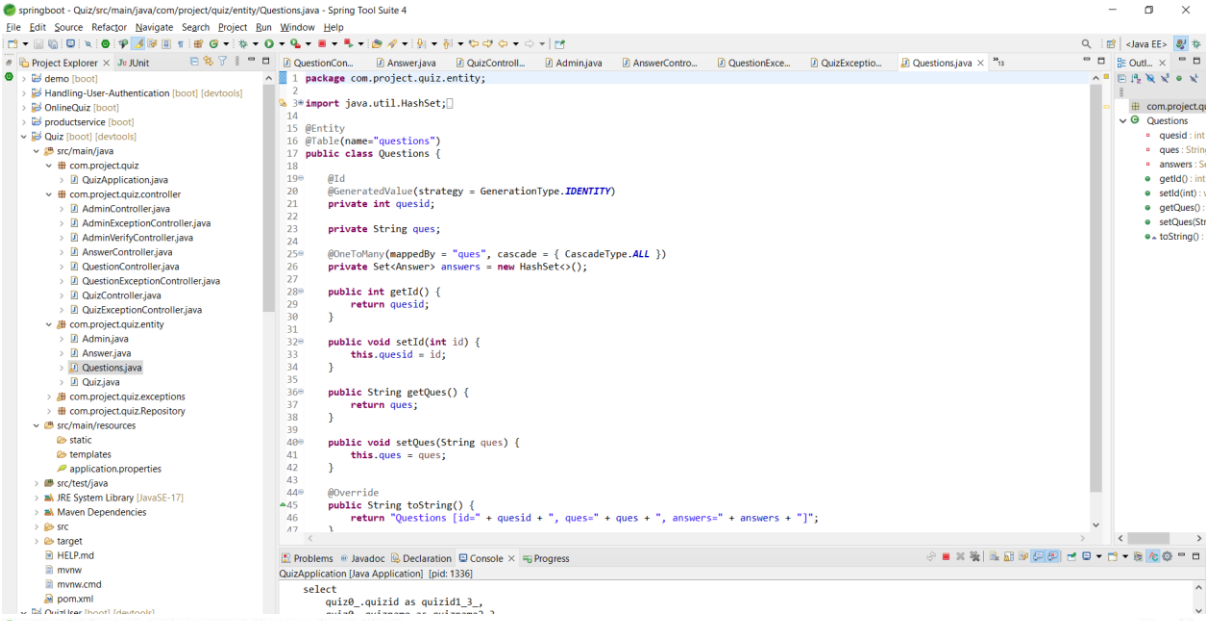

springboot - Quiz/src/main/java/com/project/quiz/Repository/AdminRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
AdminRepository.java
AnswerRepository.java
QuestionRepository.java
QuizRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Answer.java
Quiz.java
Admin.java
Questions.java
AdminNotFou...
QuestionNot...
QuizNotFound...
AdminReposi...
1 package com.project.quiz.Repository;
2
3 import java.util.Optional;
8
9 public interface AdminRepository extends CrudRepository<Admin, Integer> {
10
11 Optional<Admin> findByAdminnameAndPassword(String name, String password);
12
13 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

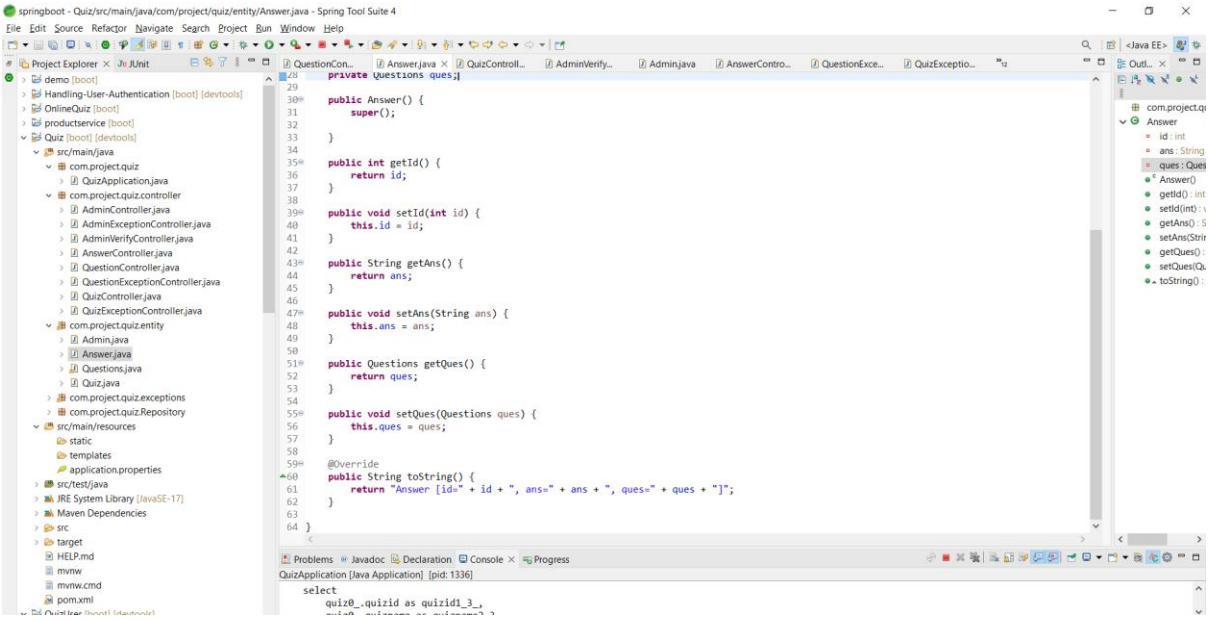

springboot - Quiz/src/main/java/com/project/quiz/exceptions/QuizNotFoundException.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
Answer.java
Quiz.java
Admin.java
QuizExceptio...
Questions.java
AdminNotFou...
QuestionNot...
QuizNotFound...
1 package com.project.quiz.exceptions;
2
3 public class QuizNotFoundException extends RuntimeException {
4
5 public QuizNotFoundException(int id) {
6 super("Quiz with id " + id + " not found.");
7 }
8
9
10 }
11
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

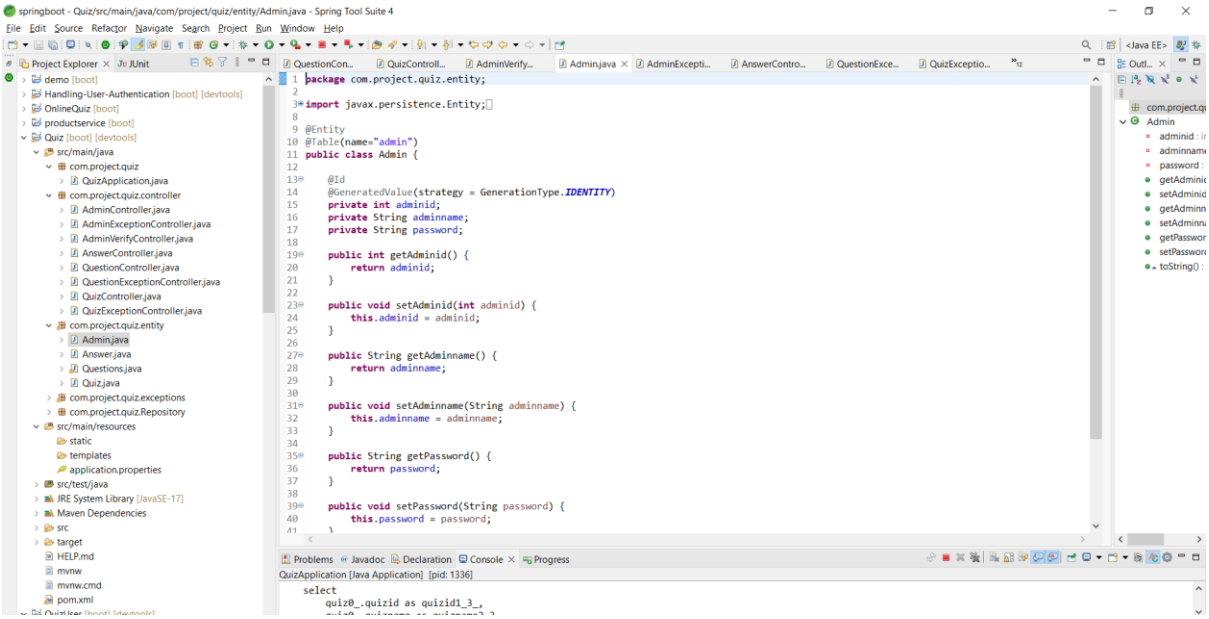

springboot - Quiz/src/main/java/com/project/quiz/exceptions/QuestionNotFoundException.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
Answer.java
QuizControll...
Quiz.java
Admin.java
QuizExceptio...
Questions.java
AdminNotFou...
QuestionNot...
1 package com.project.quiz.exceptions;
2
3 public class QuestionNotFoundException extends RuntimeException {
4
5 public QuestionNotFoundException(int id) {
6 super("Question with id " + id + " not found.");
7 }
8
9 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

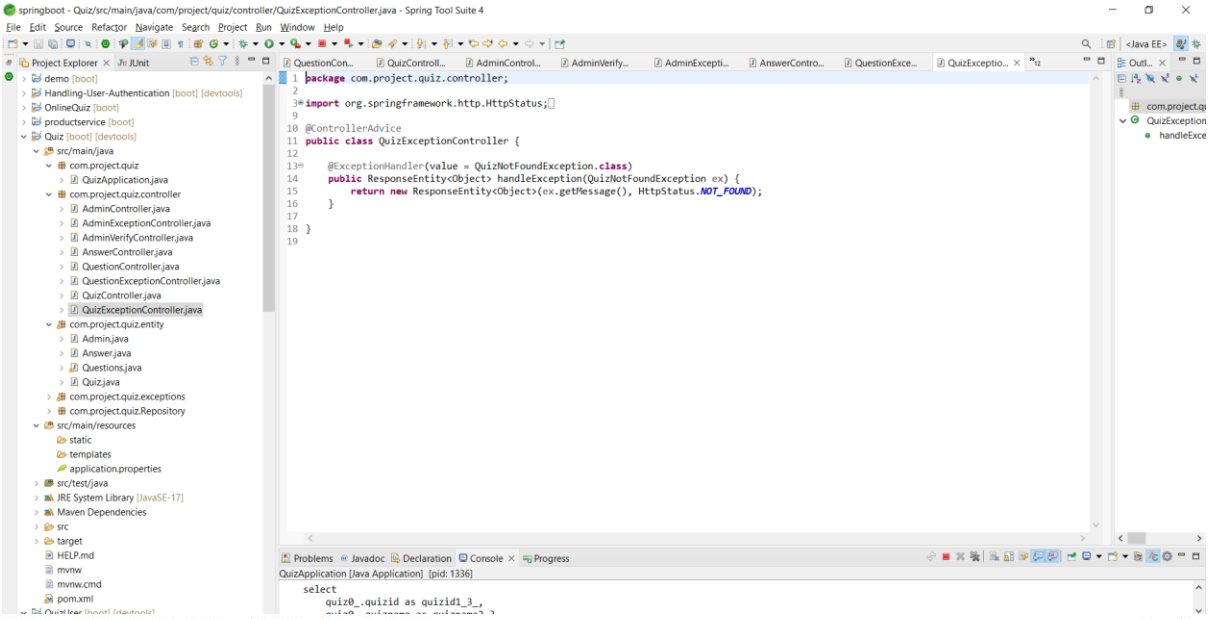

springboot - Quiz/src/main/java/com/project/quiz/exceptions/AdminNotFoundException.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
AdminNotFoundException.java
QuestionNotFoundException.java
QuizNotFoundException.java
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
Answer.java
QuizControll...
Quiz.java
Admin.java
QuestionExce...
QuizExceptio...
Questions.java
AdminNotFou...
1 package com.project.quiz.exceptions;
2
3 public class AdminNotFoundException extends RuntimeException {
4
5 public AdminNotFoundException(int id) {
6 super("Admin with id " + id + " not found.");
7 }
8
9 public AdminNotFoundException(String username, String password) {
10 super("Admin with Username: " + username + " password " + password + " not found.");
11 }
12
13 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

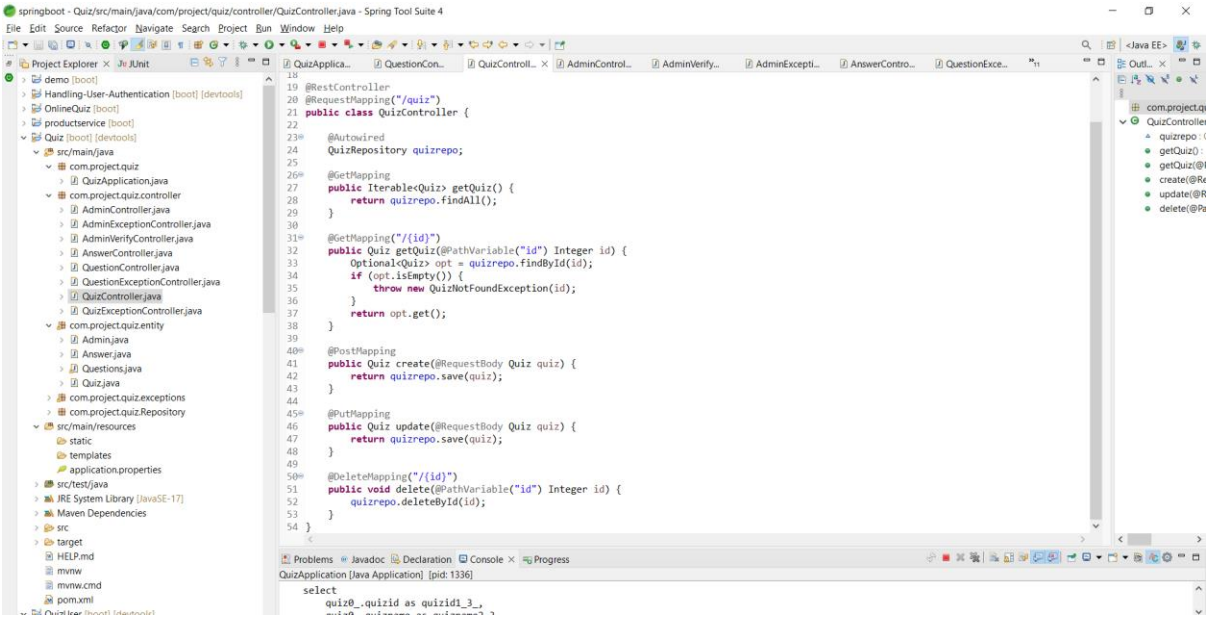

springboot - Quiz/src/main/java/com/project/quiz/entity/Quiz.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
QuestionCon... Answer.java QuizControll... Quiz.java Admin.java QuestionExce... QuizExceptio... Questions.java
1 package com.project.quiz.entity;
3 import javax.persistence.Entity;
9 @Entity
10 @Table(name="quiz")
11 public class Quiz {
13 @Id
14 @GeneratedValue(strategy = GenerationType.IDENTITY)
15 private int quizid;
16 private String quizname;
18 public int getQuizid() {
19 return quizid;
20 }
22 public void setQuizid(int quizid) {
23 this.quizid = quizid;
24 }
26 public String getQuizname() {
27 return quizname;
28 }
30 public void setQuizname(String quizname) {
31 this.quizname = quizname;
32 }
34 @Override
35 public String toString() {
36 return "Quiz [quizid=" + quizid + ", quizname=" + quizname + "]";
37 }
39 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,
<Java EE>
Outl...
com.project.q
Quiz
quizid : int
quizname :
getQuizid()
setQuizid(i
getQuizna
setQuizna
toString() :

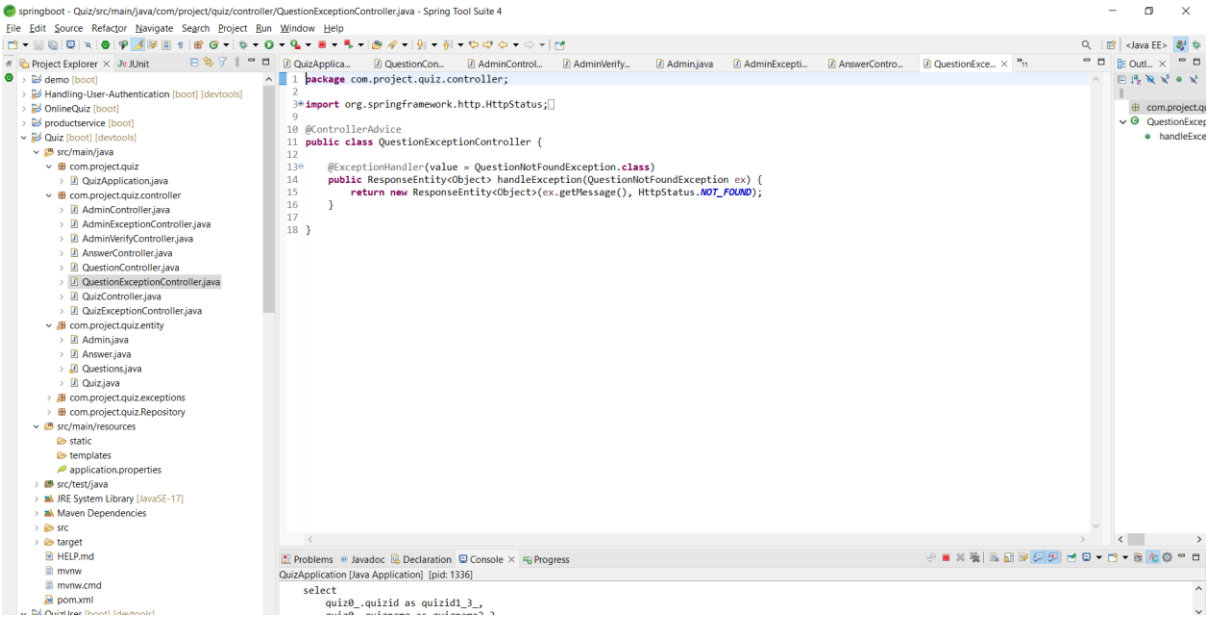

springboot - Quiz/src/main/java/com/project/quiz/entity/Questions.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
QuestionCon... Answer.java QuizControll... Admin.java AnswerContro... QuestionExce... QuizExceptio... Questions.java
1 package com.project.quiz.entity;
3 import java.util.HashSet;
15 @Entity
16 @Table(name="questions")
17 public class Questions {
19 @Id
20 @GeneratedValue(strategy = GenerationType.IDENTITY)
21 private int quesid;
23 private String ques;
25 @OneToMany(mappedBy = "ques", cascade = { CascadeType.ALL })
26 private Set<Answer> answers = new HashSet<>();
28 public int getId() {
29 return quesid;
30 }
32 public void setId(int id) {
33 this.quesid = id;
34 }
36 public String getQues() {
37 return ques;
38 }
40 public void setQues(String ques) {
41 this.ques = ques;
42 }
44 @Override
45 public String toString() {
46 return "Questions [id=" + quesid + ", ques=" + ques + ", answers=" + answers + "]";
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,
<Java EE>
Outl...
com.project.q
Questions
quesid : int
ques : Strin
answers : S
getId() : int
setId(int) :
getQues() :
setQues(Str
toString() :

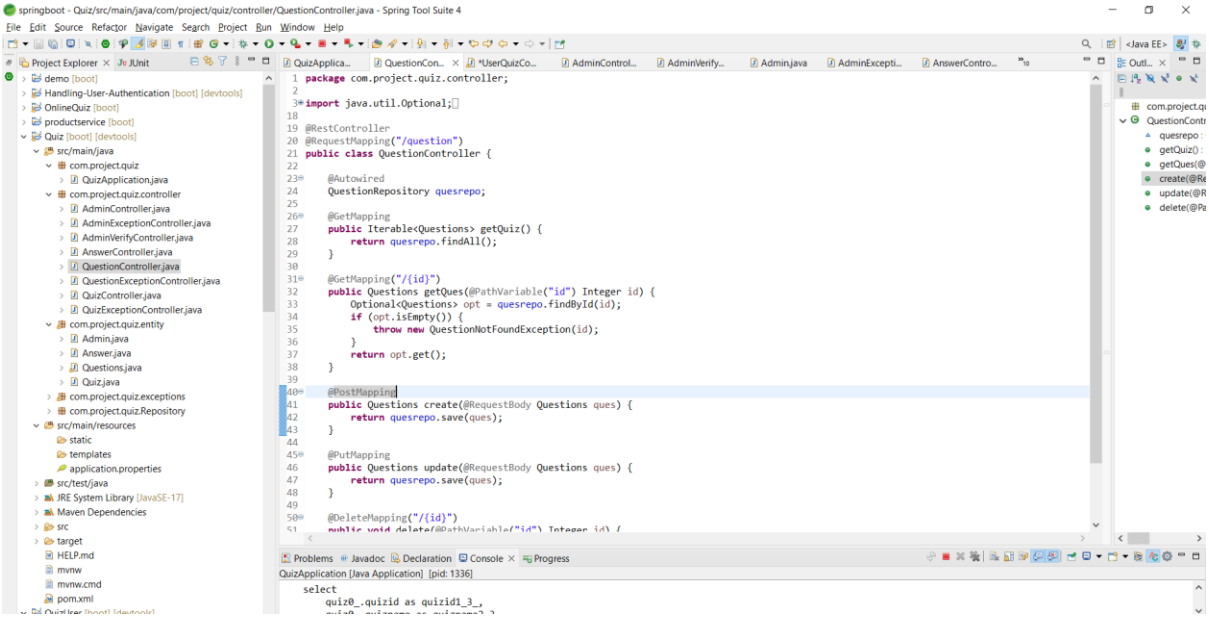

springboot - Quiz/src/main/java/com/project/quiz/entity/Answer.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
QuestionCon... Answer.java QuizControll... AdminVerify... Admin.java AnswerContro... QuestionExce... QuizExceptio...
28 private Questions ques;
30 public Answer() {
31 super();
33 }
35 public int getId() {
36 return id;
37 }
39 public void setId(int id) {
40 this.id = id;
41 }
43 public String getAns() {
44 return ans;
45 }
47 public void setAns(String ans) {
48 this.ans = ans;
49 }
51 public Questions getQues() {
52 return ques;
53 }
55 public void setQues(Questions ques) {
56 this.ques = ques;
57 }
59 @Override
60 public String toString() {
61 return "Answer [id=" + id + ", ans=" + ans + ", ques=" + ques + "]";
62 }
64 }
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,
<Java EE>
Outl...
com.project.q
Answer
id : int
ans : String
ques : Ques
Answer()
getId() : int
setId(int) :
getAns() : S
setAns(Strin
getQues() :
setQues(Qu
toString() :

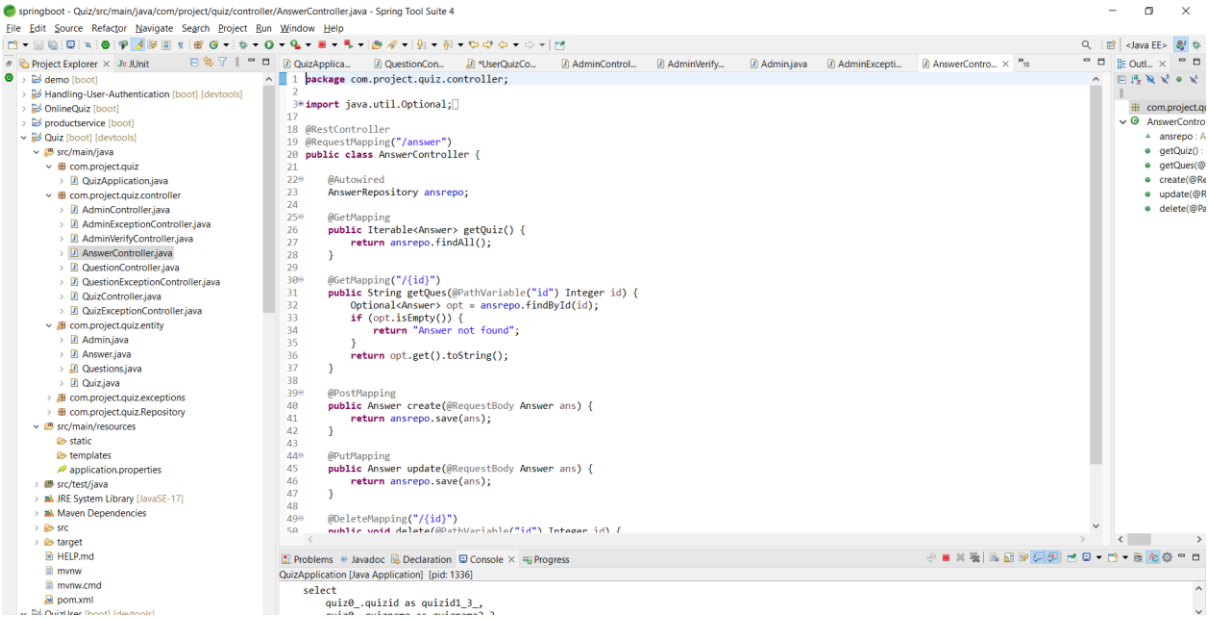

springboot - Quiz/src/main/java/com/project/quiz/entity/Admin.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
Admin.java
package com.project.quiz.entity;
import javax.persistence.Entity;
@Entity
@Table(name="admin")
public class Admin {
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private int adminid;
private String adminname;
private String password;
public int getAdminid() {
return adminid;
}
public void setAdminid(int adminid) {
this.adminid = adminid;
}
public String getAdminname() {
return adminname;
}
public void setAdminname(String adminname) {
this.adminname = adminname;
}
public String getPassword() {
return password;
}
public void setPassword(String password) {
this.password = password;
}
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,


springboot - Quiz/src/main/java/com/project/quiz/controller/QuizExceptionController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
package com.project.quiz.controller;
import org.springframework.http.HttpStatus;
@ControllerAdvice
public class QuizExceptionController {
@ExceptionHandler(value = QuizNotFoundException.class)
public ResponseEntity<Object> handleException(QuizNotFoundException ex) {
return new ResponseEntity<Object>(ex.getMessage(), HttpStatus.NOT_FOUND);
}
}
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,


springboot - Quiz/src/main/java/com/project/quiz/controller/QuizController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
@RestController
@RequestMapping("/quiz")
public class QuizController {
@Autowired
QuizRepository quizrepo;
@GetMapping
public Iterable<Quiz> getQuiz() {
return quizrepo.findAll();
}
@GetMapping("/{id}")
public Quiz getQuiz(@PathVariable("id") Integer id) {
Optional<Quiz> opt = quizrepo.findById(id);
if (opt.isEmpty()) {
throw new QuizNotFoundException(id);
}
return opt.get();
}
@PostMapping
public Quiz create(@RequestBody Quiz quiz) {
return quizrepo.save(quiz);
}
@PutMapping
public Quiz update(@RequestBody Quiz quiz) {
return quizrepo.save(quiz);
}
@DeleteMapping("/{id}")
public void delete(@PathVariable("id") Integer id) {
quizrepo.deleteById(id);
}
}
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

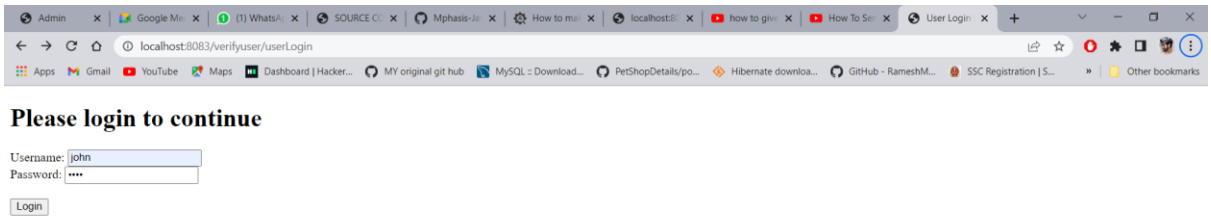

springboot - Quiz/src/main/java/com/project/quiz/controller/QuestionExceptionController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
package com.project.quiz.controller;
import org.springframework.http.HttpStatus;
@ControllerAdvice
public class QuestionExceptionController {
@ExceptionHandler(value = QuestionNotFoundException.class)
public ResponseEntity<Object> handleException(QuestionNotFoundException ex) {
return new ResponseEntity<Object>(ex.getMessage(), HttpStatus.NOT_FOUND);
}
}
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

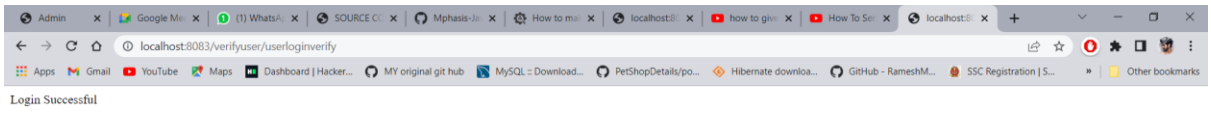

springboot - Quiz/src/main/java/com/project/quiz/controller/QuestionController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
package com.project.quiz.controller;
import java.util.Optional;
@RestController
@RequestMapping("/question")
public class QuestionController {
@Autowired
QuestionRepository quesrepo;
@GetMapping
public Iterable<Questions> getQuiz() {
return quesrepo.findAll();
}
@GetMapping("/{id}")
public Questions getQues(@PathVariable("id") Integer id) {
Optional<Questions> opt = quesrepo.findById(id);
if (opt.isEmpty()) {
throw new QuestionNotFoundException(id);
}
return opt.get();
}
@PostMapping
public Questions create(@RequestBody Questions ques) {
return quesrepo.save(ques);
}
@PutMapping
public Questions update(@RequestBody Questions ques) {
return quesrepo.save(ques);
}
@DeleteMapping("/{id}")
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

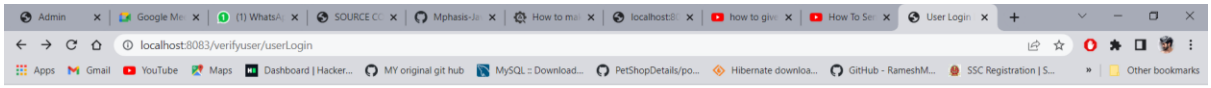

springboot - Quiz/src/main/java/com/project/quiz/controller/AnswerController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
demo [boot]
Handling-User-Authentication [boot] [devtools]
OnlineQuiz [boot]
productservice [boot]
Quiz [boot] [devtools]
src/main/java
com.project.quiz
QuizApplication.java
com.project.quiz.controller
AdminController.java
AdminExceptionController.java
AdminVerifyController.java
AnswerController.java
QuestionController.java
QuestionExceptionController.java
QuizController.java
QuizExceptionController.java
com.project.quiz.entity
Admin.java
Answer.java
Questions.java
Quiz.java
com.project.quiz.exceptions
com.project.quiz.Repository
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
package com.project.quiz.controller;
import java.util.Optional;
@RestController
@RequestMapping("/answer")
public class AnswerController {
@Autowired
AnswerRepository ansrepo;
@GetMapping
public Iterable<Answer> getQuiz() {
return ansrepo.findAll();
}
@GetMapping("/{id}")
public String getQues(@PathVariable("id") Integer id) {
Optional<Answer> opt = ansrepo.findById(id);
if (opt.isEmpty()) {
return "Answer not found";
}
return opt.get().toString();
}
@PostMapping
public Answer create(@RequestBody Answer ans) {
return ansrepo.save(ans);
}
@PutMapping
public Answer update(@RequestBody Answer ans) {
return ansrepo.save(ans);
}
@DeleteMapping("/{id}")
Problems Javadoc Declaration Console Progress
QuizApplication [Java Application] [pid: 1336]
select
quiz0_.quizid as quizid1_3_,

Here , adding Screenshots of 2.QuizUser

Postman&Browser:



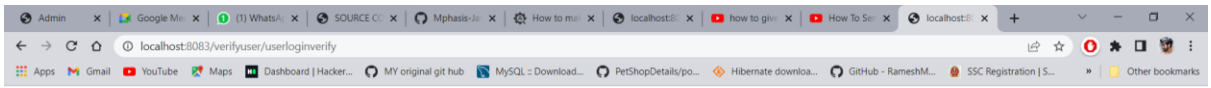




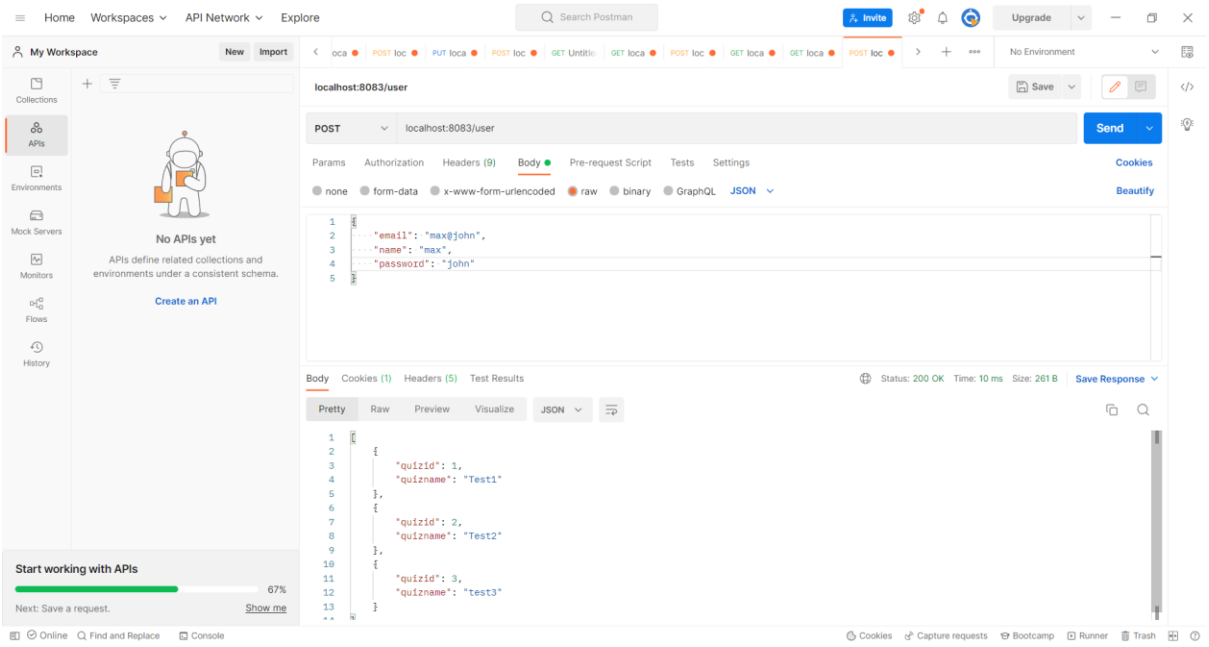
Please login to continue

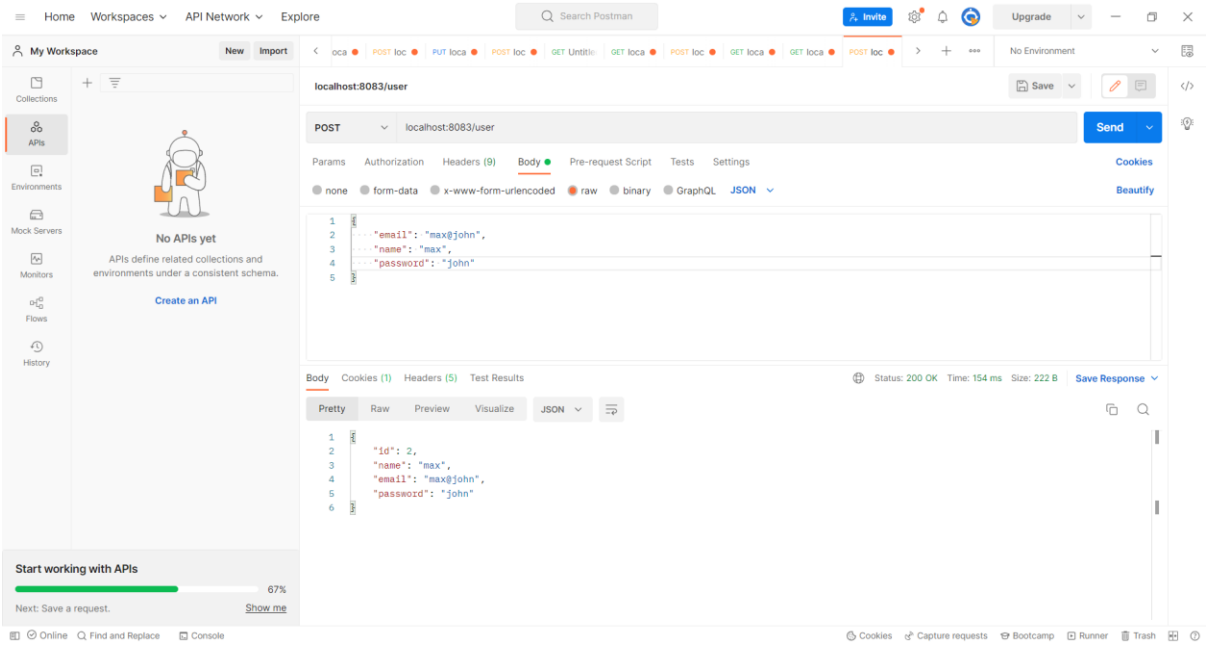
Username: yty
Password: ••••

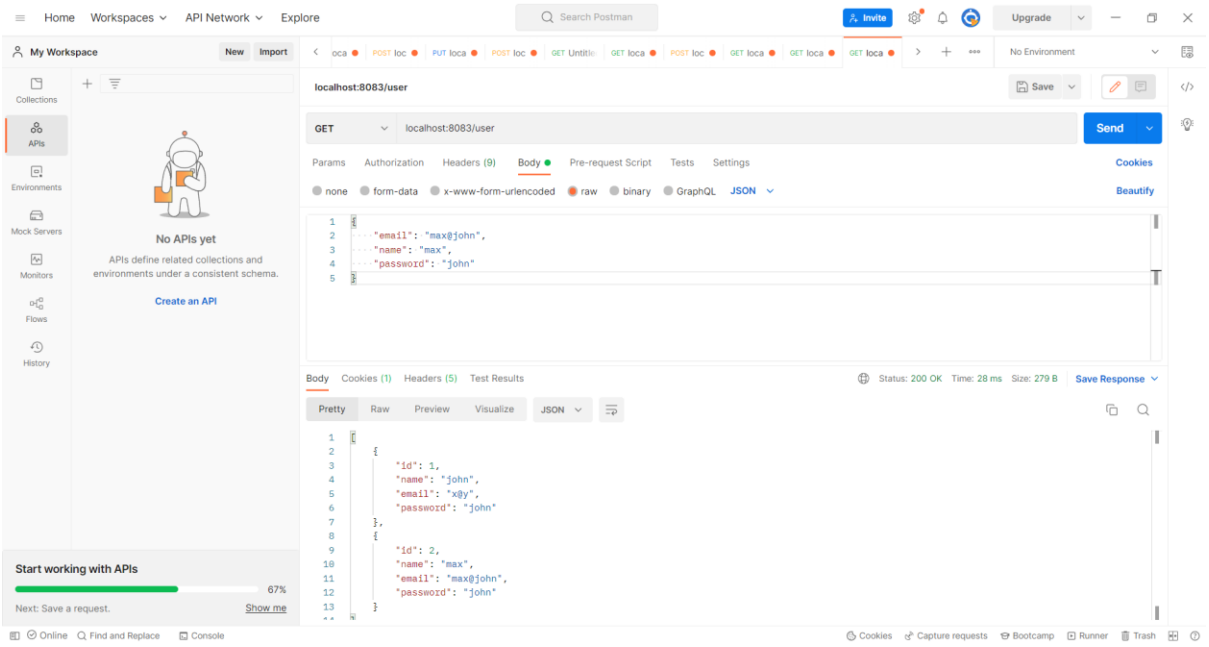
Login



Admin with Username: yty password john not found.

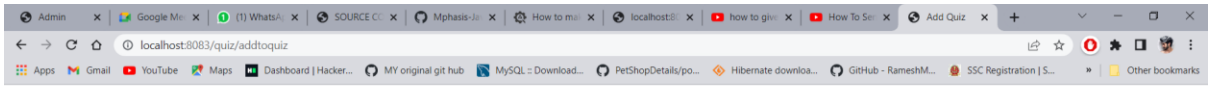

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8083/user
Save
POST
localhost:8083/user
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"email": "max@john",
"name": "max",
"password": "john"
}
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 10 ms
Size: 261 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
[
{
"quizid": 1,
"quizname": "Test1"
},
{
"quizid": 2,
"quizname": "Test2"
},
{
"quizid": 3,
"quizname": "test3"
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash


Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
My Workspace
New
Import
No Environment
Collections
APIs
Environments
Mock Servers
Monitors
Flows
History
No APIs yet
APIs define related collections and environments under a consistent schema.
Create an API
Start working with APIs
67%
Next: Save a request.
Show me
localhost:8083/user
Save
POST
localhost:8083/user
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"email": "max@john",
"name": "max",
"password": "john"
}
Body
Cookies (1)
Headers (5)
Test Results
Status: 200 OK
Time: 154 ms
Size: 222 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"id": 2,
"name": "max",
"email": "max@john",
"password": "john"
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash



-->

Here , Using DTO (data transfer object) & Using microservices connection: We can Use the Quiz App portal data in QuizUser Portal:given Below

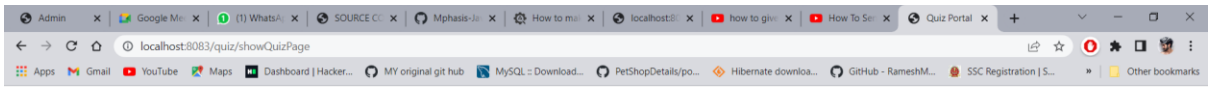


Add Quiz

QuizID 3

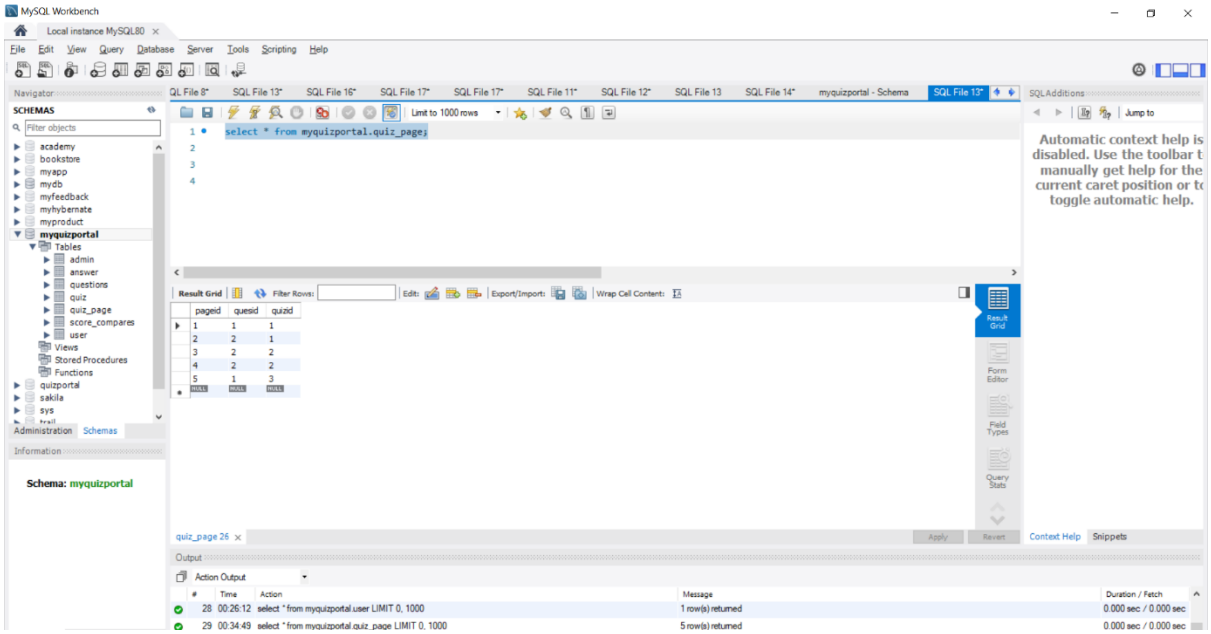
QuesID 1

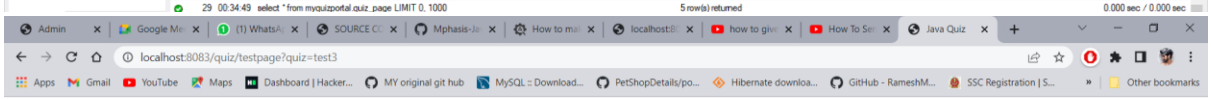
Add



Search for the quiz: Test1

start





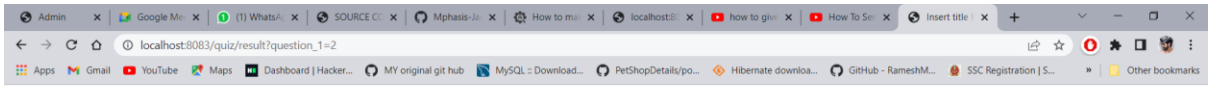
how many days in a week?

- ○ seven
- ○ 366

how many days in a leap-year?

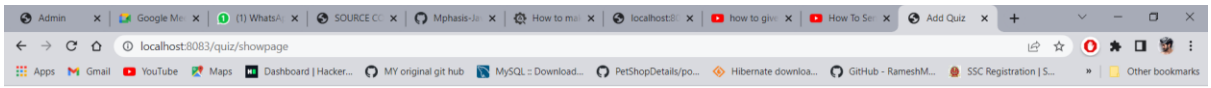
- ○ 31

submit



Your Final Result is 1

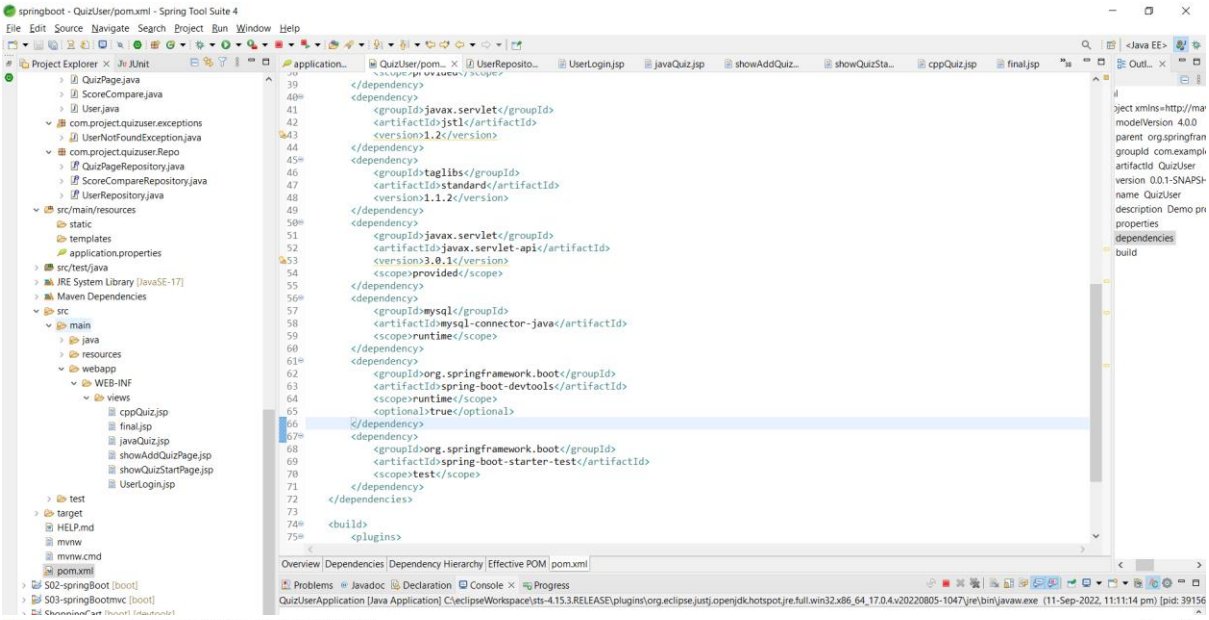
<

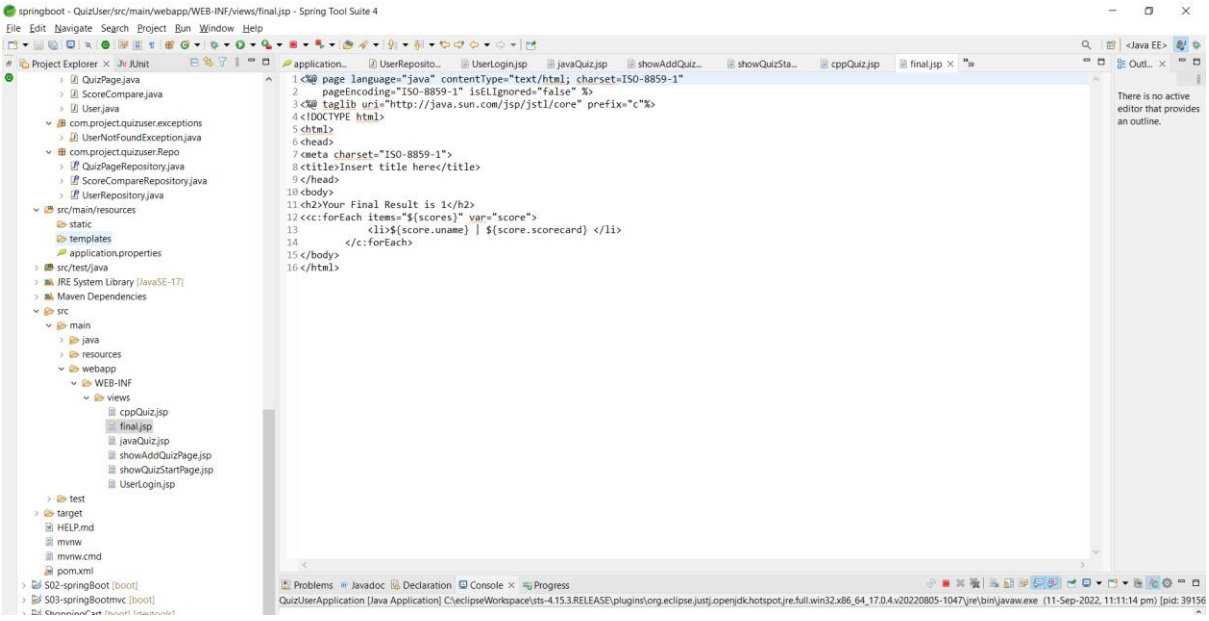


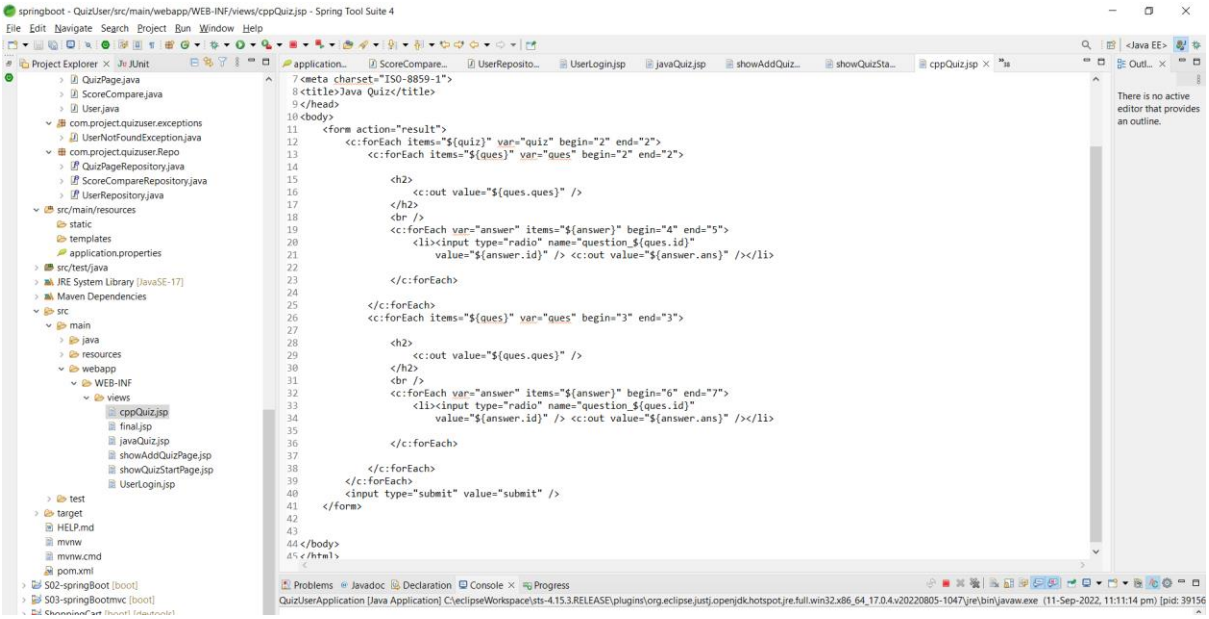
Add Quiz

QuizID 2
QuesID 1
Add

Here , I added the Screenshots of Project Structure and other code pics of 2.QuizUser portal:

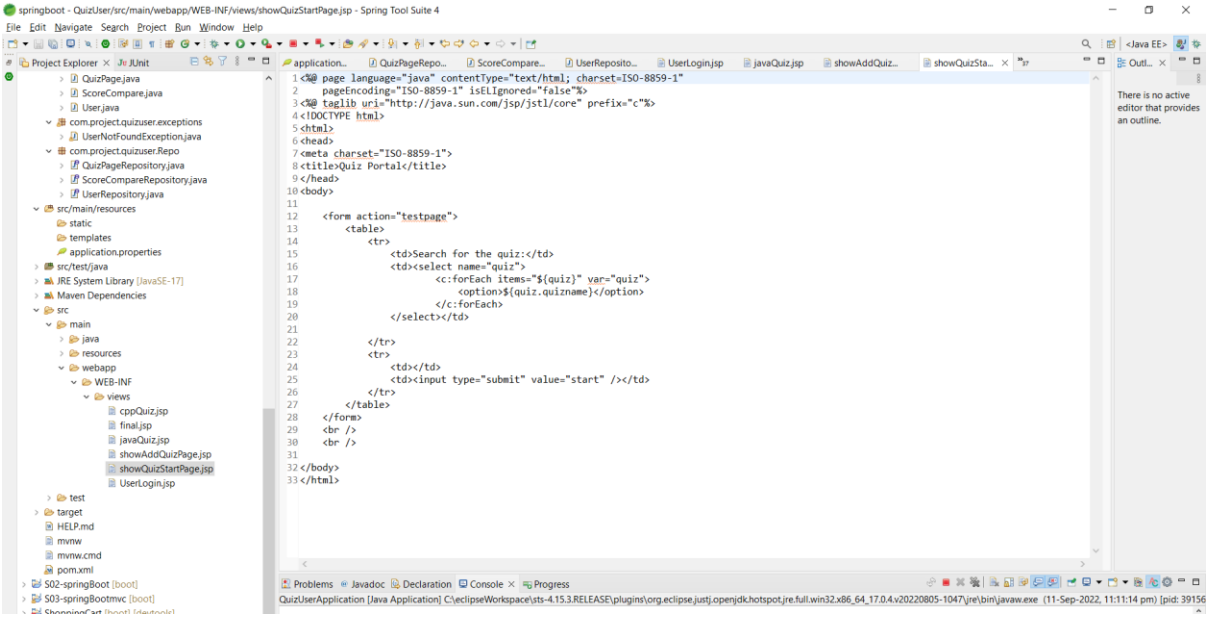




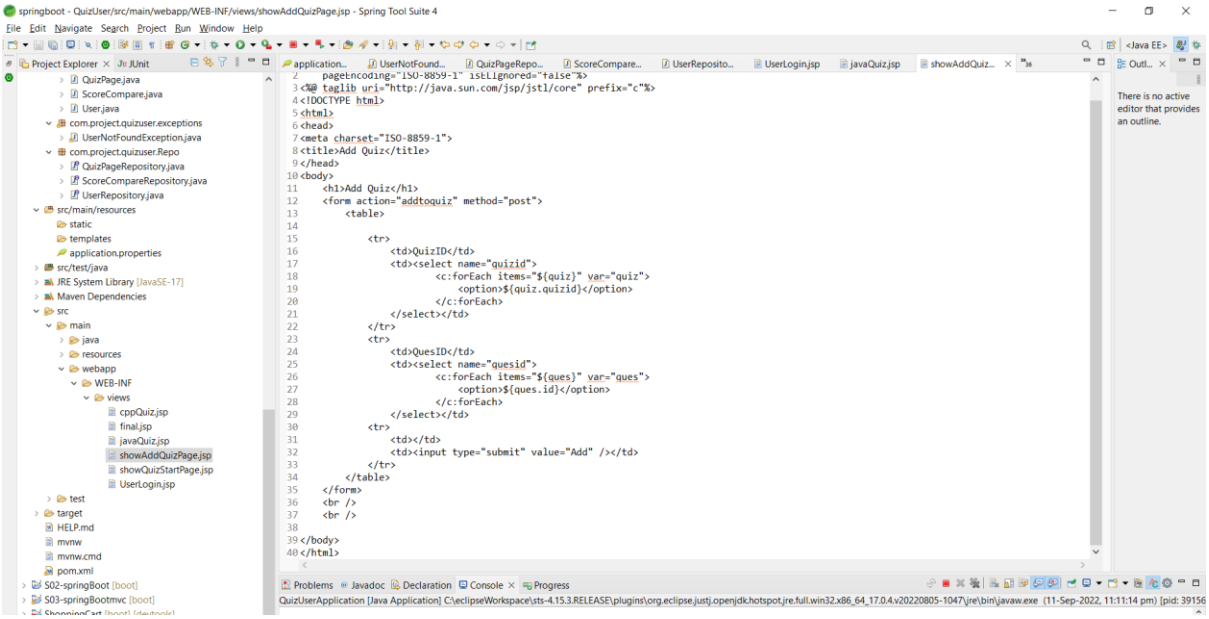

springboot - QuizUser/src/main/webapp/WEB-INF/views/cppQuiz.jsp - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
WEB-INF
views
cppQuiz.jsp
final.jsp
javaQuiz.jsp
showAddQuizPage.jsp
showQuizStartPage.jsp
UserLogin.jsp
test
target
HELP.md
mvnw
mvnw.cmd
pom.xml
S02-springBoot [boot]
S03-springBootmvc [boot]
application... ScoreCompare... UserReposito... UserLogin.jsp javaQuiz.jsp showAddQuiz... showQuizSta... cppQuiz.jsp
<meta charset="ISO-8859-1">
<title>Java Quiz</title>
</head>
<body>
<form action="result">
<c:forEach items="${quiz}" var="quiz" begin="2" end="2">
<c:forEach items="${ques}" var="ques" begin="2" end="2">
<h2>
<c:out value="${ques.ques}" />
</h2>

<c:forEach var="answer" items="${answer}" begin="4" end="5">
<input type="radio" name="question_${ques.id}"
value="${answer.id}" /> <c:out value="${answer.ans}" />
</c:forEach>
</c:forEach>
<c:forEach items="${ques}" var="ques" begin="3" end="3">
<h2>
<c:out value="${ques.ques}" />
</h2>

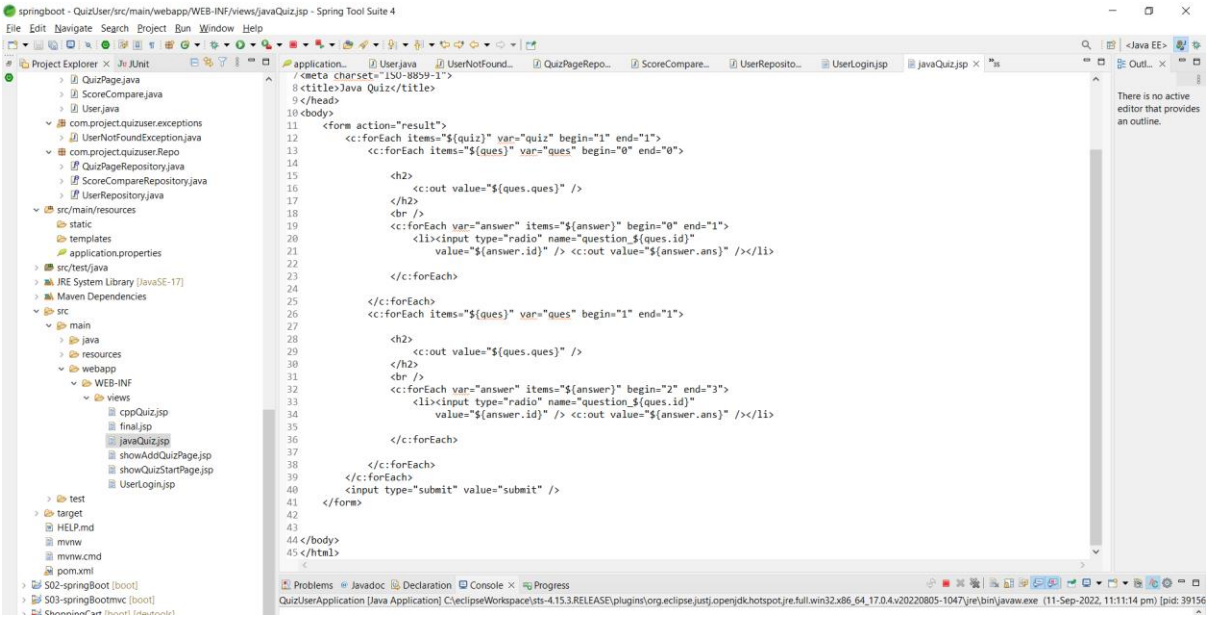
<c:forEach var="answer" items="${answer}" begin="6" end="7">
<input type="radio" name="question_${ques.id}"
value="${answer.id}" /> <c:out value="${answer.ans}" />
</c:forEach>
</c:forEach>
</c:forEach>
<input type="submit" value="submit" />
</form>
</body>
</html>
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
There is no active editor that provides an outline.


springboot - QuizUser/src/main/webapp/WEB-INF/views/showQuizStartPage.jsp - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
WEB-INF
views
cppQuiz.jsp
final.jsp
javaQuiz.jsp
showAddQuizPage.jsp
showQuizStartPage.jsp
UserLogin.jsp
test
target
HELP.md
mvnw
mvnw.cmd
pom.xml
S02-springBoot [boot]
S03-springBootmvc [boot]
application... QuizPageRepo... ScoreCompare... UserReposito... UserLogin.jsp javaQuiz.jsp showAddQuiz... showQuizSta...
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1" isELIgnored="false"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Quiz Portal</title>
</head>
<body>
<form action="testpage">
<table>
<tr>
<td>Search for the quiz:</td>
<td><select name="quiz">
<c:forEach items="${quiz}" var="quiz">
<option>${quiz.quizname}</option>
</c:forEach>
</select></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="start" /></td>
</tr>
</table>
</form>

</body>
</html>
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
There is no active editor that provides an outline.

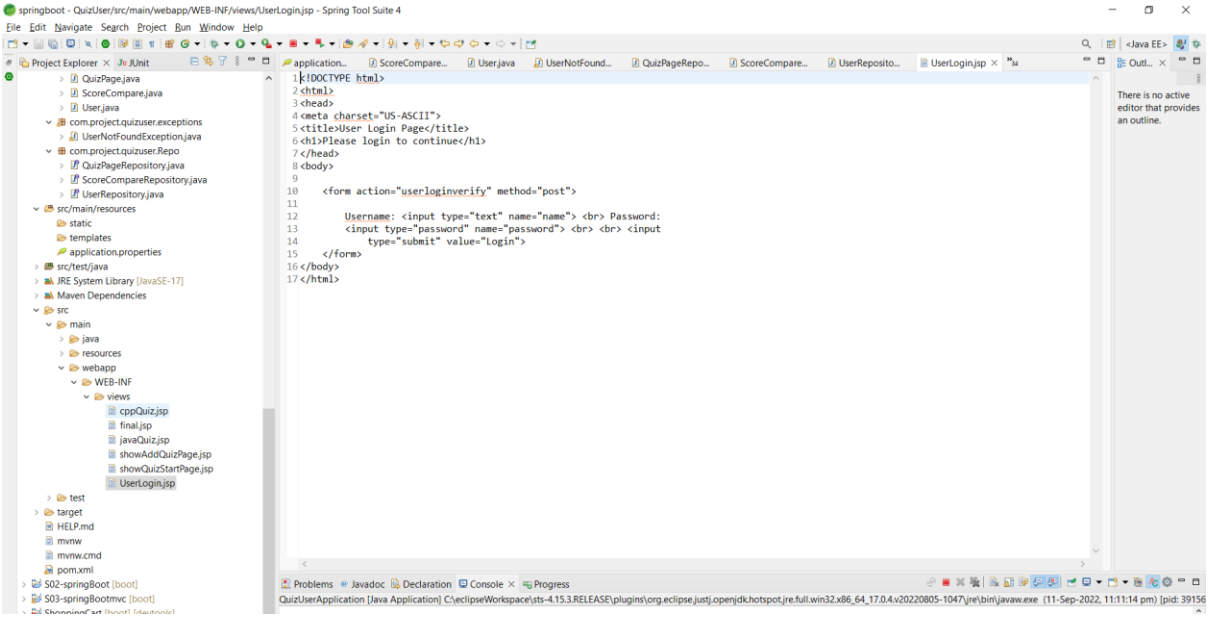

springboot - QuizUser/src/main/webapp/WEB-INF/views/showAddQuizPage.jsp - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
WEB-INF
views
cppQuiz.jsp
final.jsp
javaQuiz.jsp
showAddQuizPage.jsp
showQuizStartPage.jsp
UserLogin.jsp
test
target
HELP.md
mvnw
mvnw.cmd
pom.xml
S02-springBoot [boot]
S03-springBootmvc [boot]
application... UserNotFound... QuizPageRepo... ScoreCompare... UserReposito... UserLogin.jsp javaQuiz.jsp showAddQuiz...
pageEncoding="ISO-8859-1" isELIgnored="false"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Add Quiz</title>
</head>
<body>
<h1>Add Quiz</h1>
<form action="addtoquiz" method="post">
<table>
<tr>
<td>QuizID</td>
<td><select name="quizid">
<c:forEach items="${quiz}" var="quiz">
<option>${quiz.quizid}</option>
</c:forEach>
</select></td>
</tr>
<tr>
<td>QuesID</td>
<td><select name="quesid">
<c:forEach items="${ques}" var="ques">
<option>${ques.id}</option>
</c:forEach>
</select></td>
<tr>
<td></td>
<td><input type="submit" value="Add" /></td>
</tr>
</table>
</form>

</body>
</html>
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
There is no active editor that provides an outline.

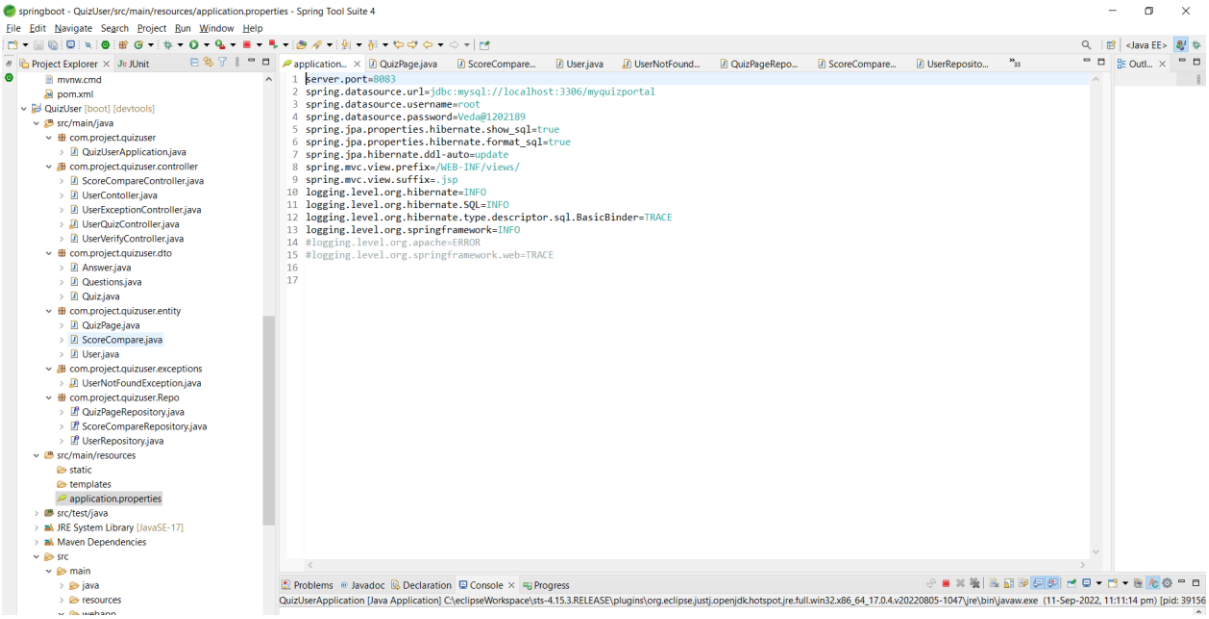

springboot - QuizUser/src/main/webapp/WEB-INF/views/javaQuiz.jsp - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
WEB-INF
views
cppQuiz.jsp
final.jsp
javaQuiz.jsp
showAddQuizPage.jsp
showQuizStartPage.jsp
UserLogin.jsp
test
target
HELP.md
mvnw
mvnw.cmd
pom.xml
S02-springBoot [boot]
S03-springBootmvc [boot]
application... User.java UserNotFound... QuizPageRepo... ScoreCompare... UserReposito... UserLogin.jsp javaQuiz.jsp
<meta charset="ISO-8859-1">
<title>Java Quiz</title>
</head>
<body>
<form action="result">
<c:forEach items="${quiz}" var="quiz" begin="1" end="1">
<c:forEach items="${ques}" var="ques" begin="0" end="0">
<h2>
<c:out value="${ques.ques}" />
</h2>

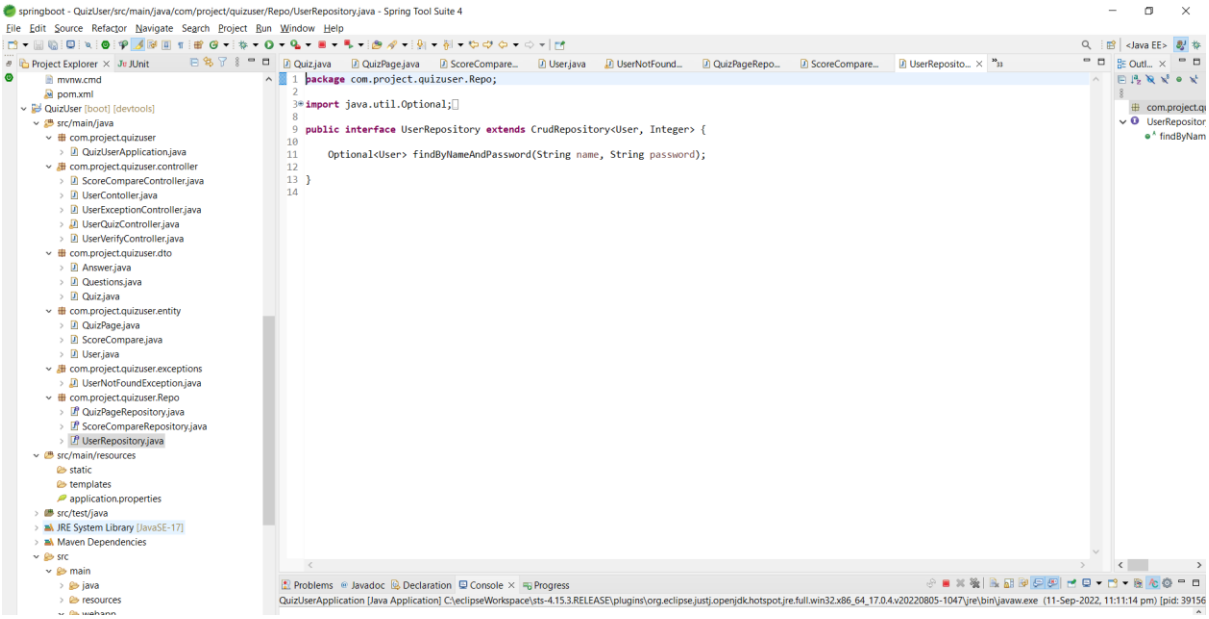
<c:forEach var="answer" items="${answer}" begin="0" end="1">
<input type="radio" name="question_${ques.id}"
value="${answer.id}" /> <c:out value="${answer.ans}" />
</c:forEach>
</c:forEach>
<c:forEach items="${ques}" var="ques" begin="1" end="1">
<h2>
<c:out value="${ques.ques}" />
</h2>

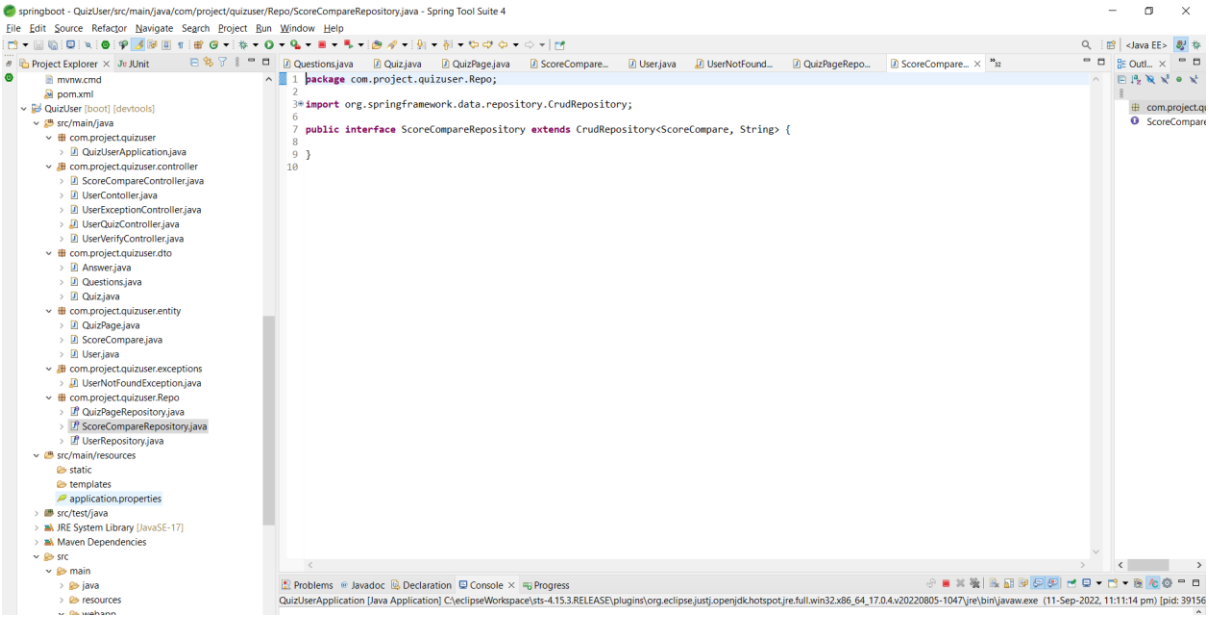
<c:forEach var="answer" items="${answer}" begin="2" end="3">
<input type="radio" name="question_${ques.id}"
value="${answer.id}" /> <c:out value="${answer.ans}" />
</c:forEach>
</c:forEach>
</c:forEach>
<input type="submit" value="submit" />
</form>
</body>
</html>
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
There is no active editor that provides an outline.

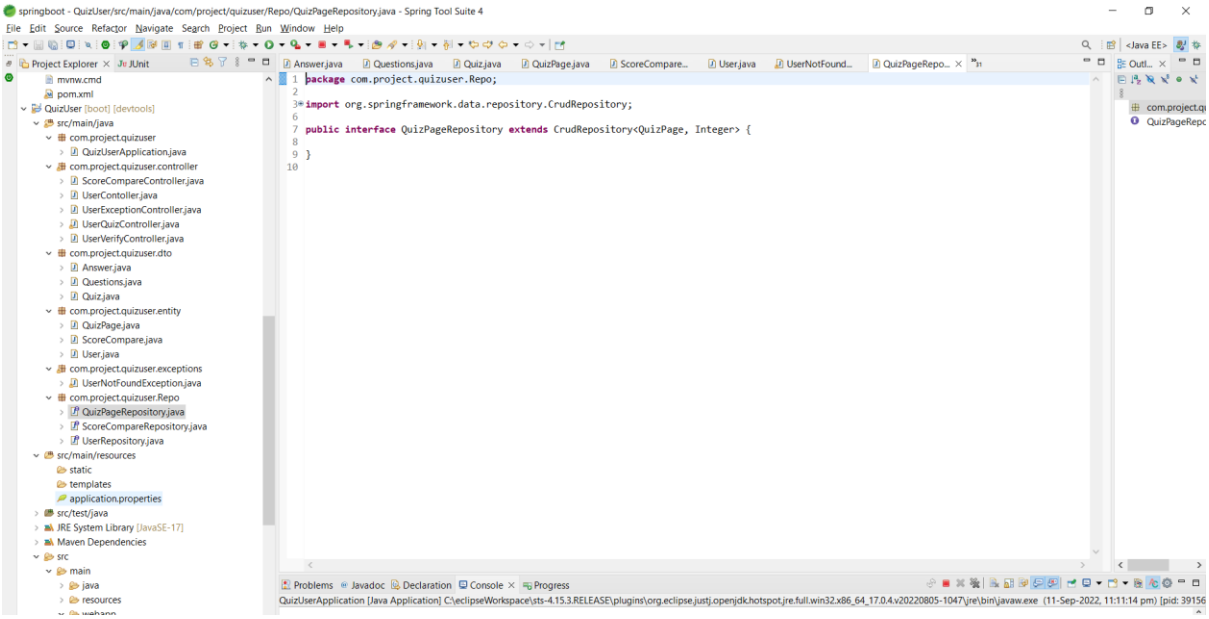

springboot - QuizUser/src/main/webapp/WEB-INF/views/UserLogin.jsp - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
WEB-INF
views
cppQuiz.jsp
final.jsp
javaQuiz.jsp
showAddQuizPage.jsp
showQuizStartPage.jsp
UserLogin.jsp
test
target
HELP.md
mvnw
mvnw.cmd
pom.xml
S02-springBoot [boot]
S03-springBootmvc [boot]
application... ScoreCompare... User.java UserNotFound... QuizPageRepo... ScoreCompare... UserReposito... UserLogin.jsp
<!DOCTYPE html>
<html>
<head>
<meta charset="US-ASCII">
<title>User Login Page</title>
<h1>Please login to continue</h1>
</head>
<body>
<form action="userloginverify" method="post">
Username: <input type="text" name="name">
 Password:
<input type="password" name="password">

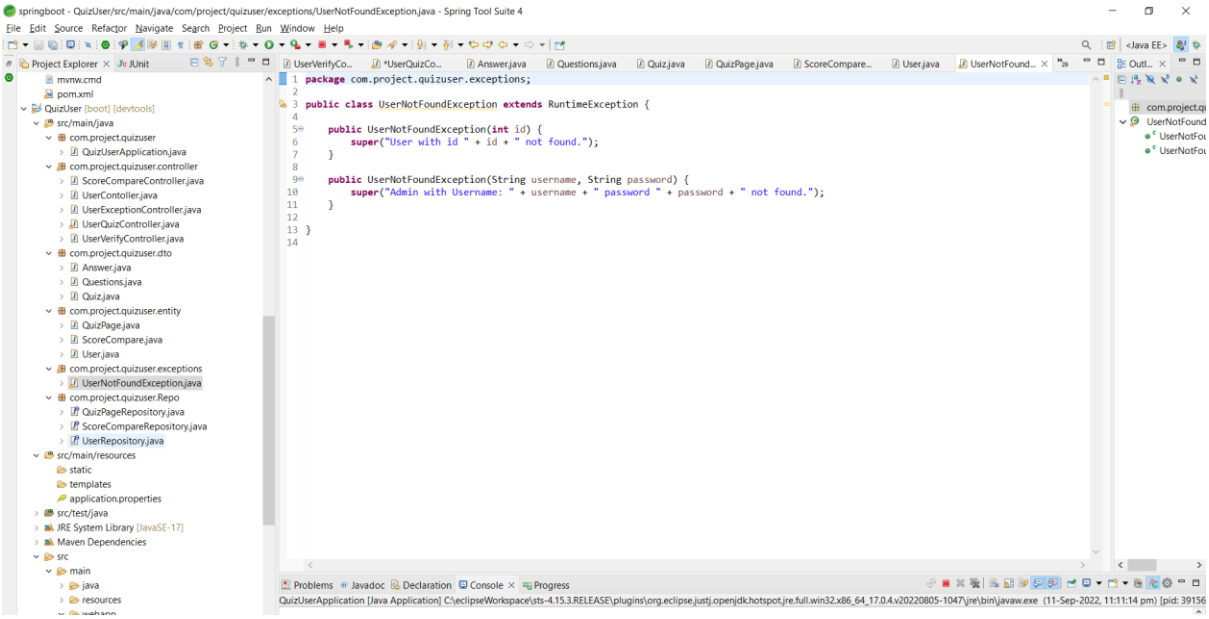
 <input
type="submit" value="Login">
</form>
</body>
</html>
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
There is no active editor that provides an outline.

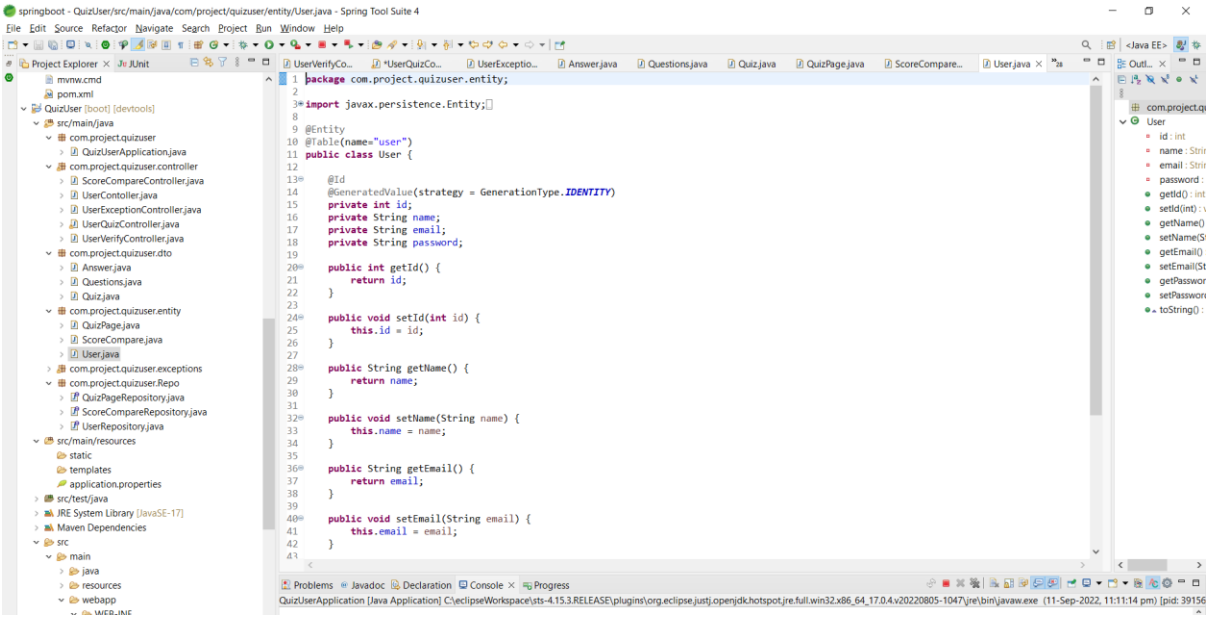

springboot - QuizUser/src/main/resources/application.properties - Spring Tool Suite 4
File Edit Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
application... QuizPage.java ScoreCompare... User.java UserNotFound... QuizPageRepo... ScoreCompare... UserReposito...
server.port=8083
spring.datasource.url=jdbc:mysql://localhost:3306/myquizportal
spring.datasource.username=root
spring.datasource.password=Veda@1202189
spring.jpa.properties.hibernate.show_sql=true
spring.jpa.properties.hibernate.format_sql=true
spring.jpa.hibernate.ddl-auto=update
spring.mvc.view.prefix=/WEB-INF/views/
spring.mvc.view.suffix=.jsp
logging.level.org.hibernate=INFO
logging.level.org.hibernate.SQL=INFO
logging.level.org.hibernate.type.descriptor.sql.BasicBinder=TRACE
logging.level.org.springframework=INFO
#logging.level.org.apache=ERROR
#logging.level.org.springframework.web=TRACE
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

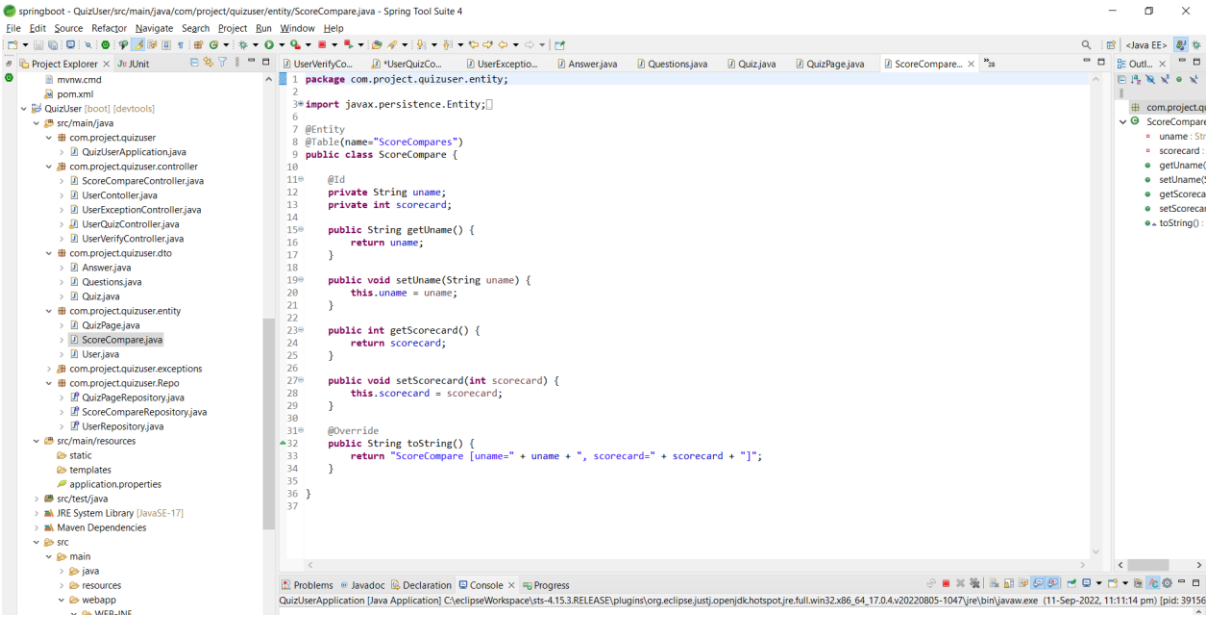

springboot - QuizUser/src/main/java/com/project/quizuser/Repo/UserRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
Quiz.java
QuizPage.java
ScoreCompare...
User.java
UserNotFound...
QuizPageRepo...
UserReposito...
1 package com.project.quizuser.Repo;
2
3 import java.util.Optional;
8
9 public interface UserRepository extends CrudRepository<User, Integer> {
10
11 Optional<User> findByNameAndPassword(String name, String password);
12
13 }
14
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

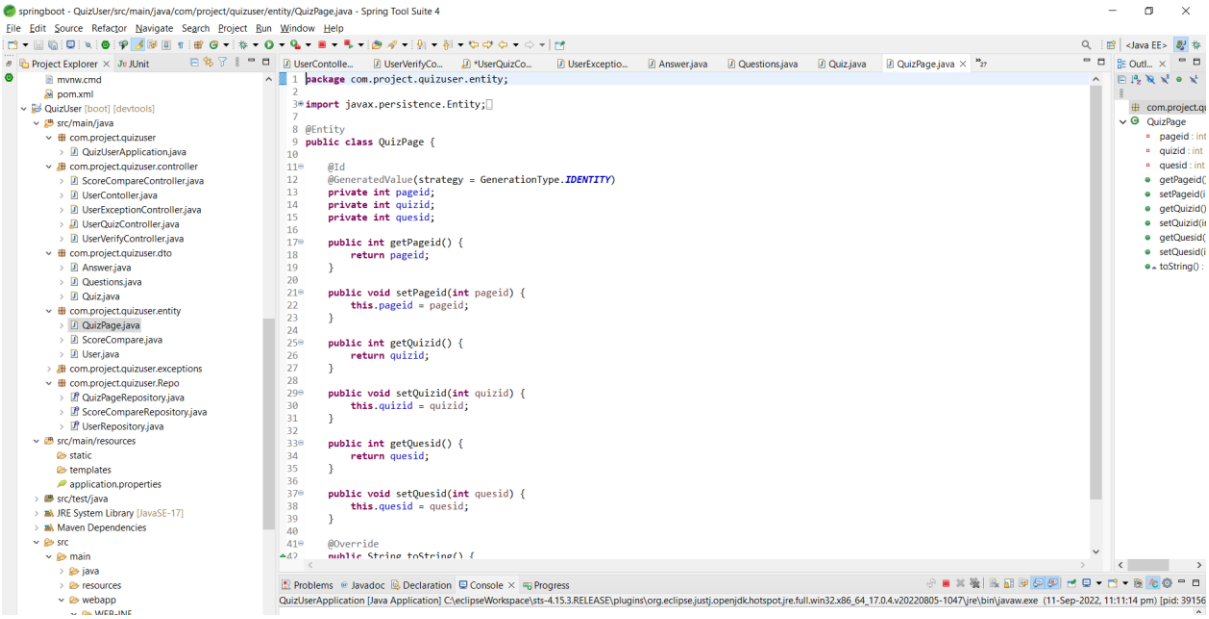

springboot - QuizUser/src/main/java/com/project/quizuser/Repo/ScoreCompareRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
Questions.java
Quiz.java
QuizPage.java
ScoreCompare...
User.java
UserNotFound...
QuizPageRepo...
ScoreCompare...
1 package com.project.quizuser.Repo;
2
3 import org.springframework.data.repository.CrudRepository;
6
7 public interface ScoreCompareRepository extends CrudRepository<ScoreCompare, String> {
8
9 }
10
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

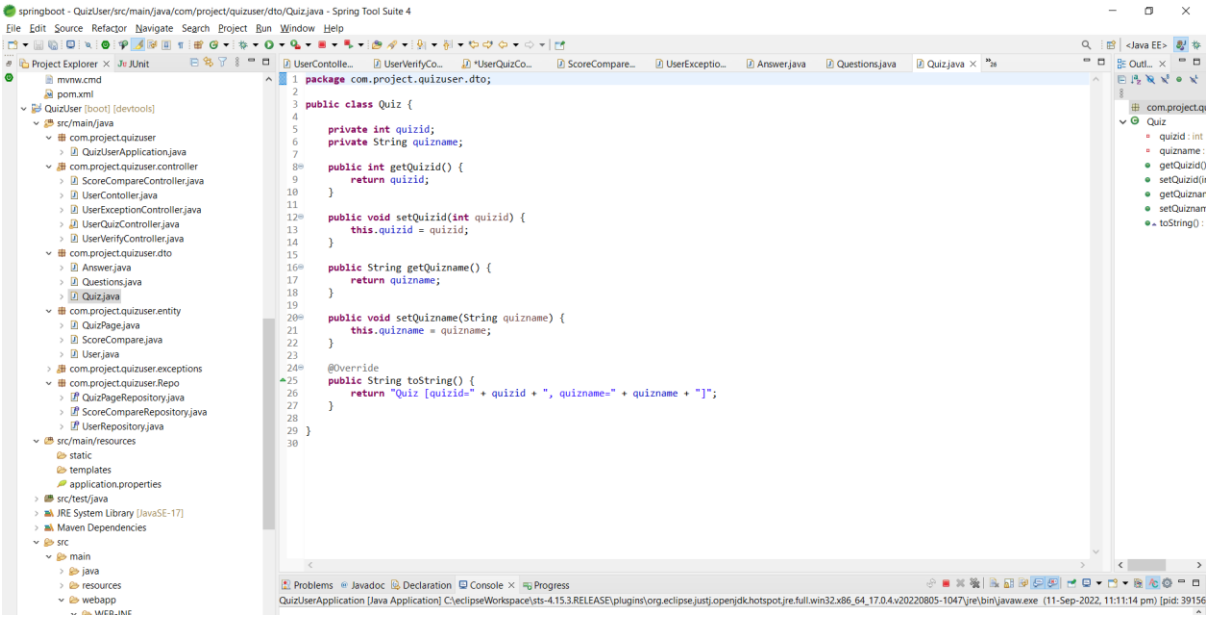

springboot - QuizUser/src/main/java/com/project/quizuser/Repo/QuizPageRepository.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
Answer.java
Questions.java
Quiz.java
QuizPage.java
ScoreCompare...
User.java
UserNotFound...
QuizPageRepo...
1 package com.project.quizuser.Repo;
2
3 import org.springframework.data.repository.CrudRepository;
6
7 public interface QuizPageRepository extends CrudRepository<QuizPage, Integer> {
8
9 }
10
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

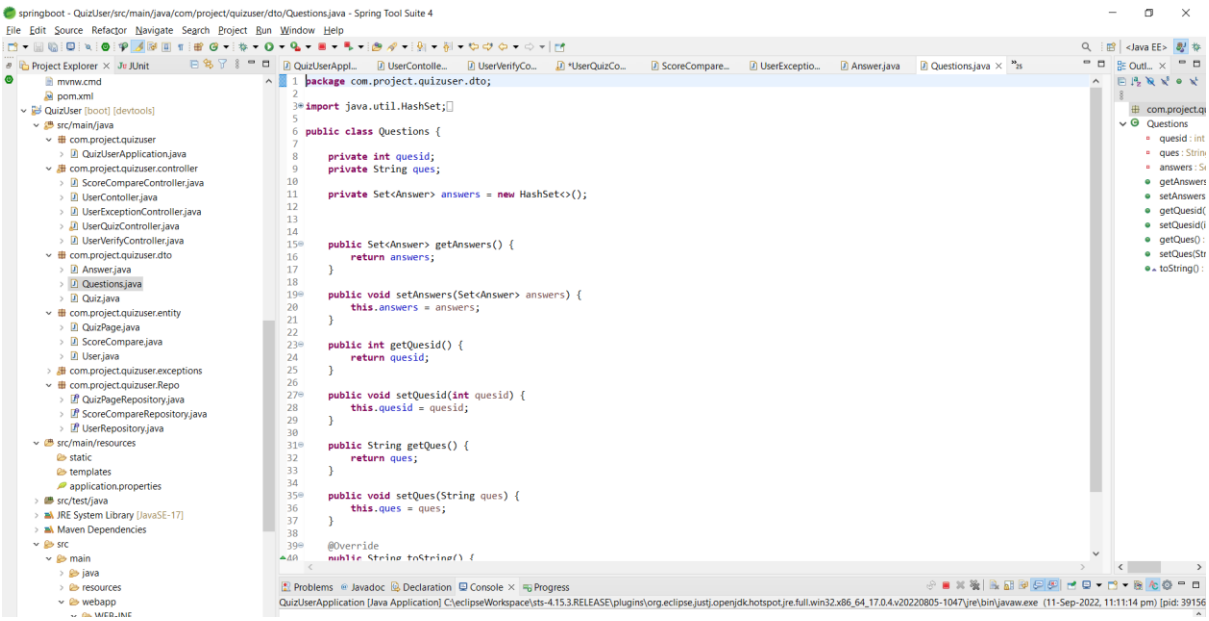

springboot - QuizUser/src/main/java/com/project/quizuser/exceptions/UserNotFoundException.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
UserNotFoundException.java
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
UserVerifyCo...
*UserQuizCo...
Answer.java
Questions.java
Quiz.java
QuizPage.java
ScoreCompare...
User.java
UserNotFound...
1 package com.project.quizuser.exceptions;
2
3 public class UserNotFoundException extends RuntimeException {
4
5 public UserNotFoundException(int id) {
6 super("User with id " + id + " not found.");
7 }
8
9 public UserNotFoundException(String username, String password) {
10 super("Admin with Username: " + username + " password " + password + " not found.");
11 }
12
13 }
14
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

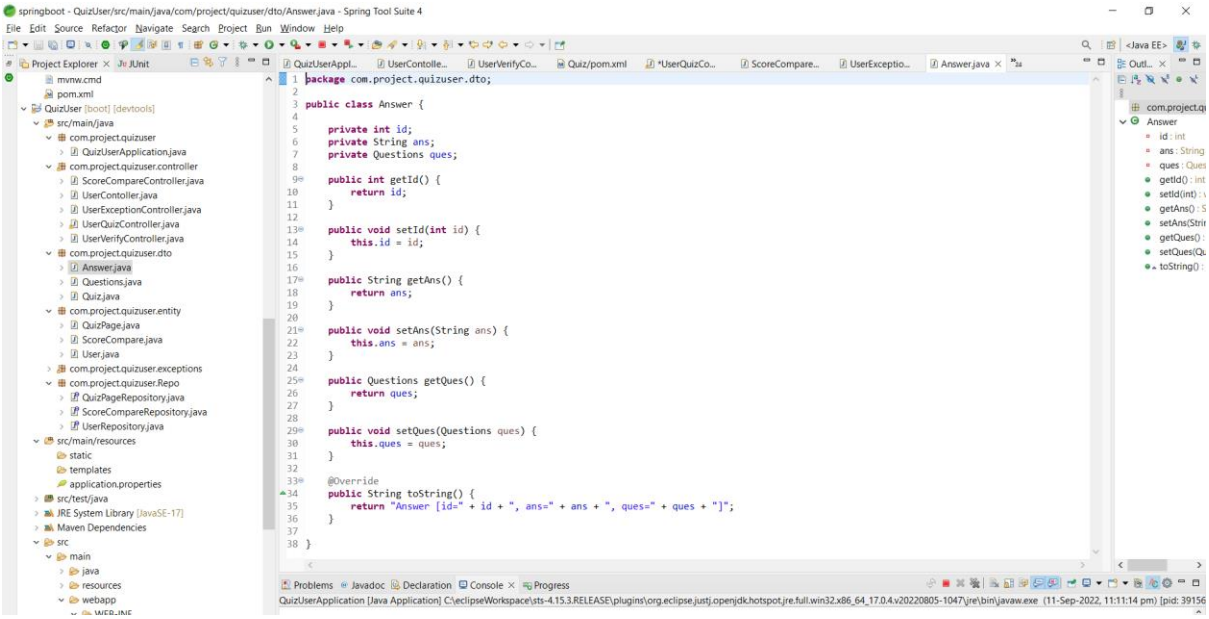

springboot - QuizUser/src/main/java/com/project/quizuser/entity/User.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
UserVerifyCo...
*UserQuizCo...
UserExceptio...
Answer.java
Questions.java
Quiz.java
QuizPage.java
ScoreCompare...
User.java
1 package com.project.quizuser.entity;
2
3 import javax.persistence.Entity;
8
9 @Entity
10 @Table(name="user")
11 public class User {
12
13 @Id
14 @GeneratedValue(strategy = GenerationType.IDENTITY)
15 private int id;
16 private String name;
17 private String email;
18 private String password;
19
20 public int getId() {
21 return id;
22 }
23
24 public void setId(int id) {
25 this.id = id;
26 }
27
28 public String getName() {
29 return name;
30 }
31
32 public void setName(String name) {
33 this.name = name;
34 }
35
36 public String getEmail() {
37 return email;
38 }
39
40 public void setEmail(String email) {
41 this.email = email;
42 }
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

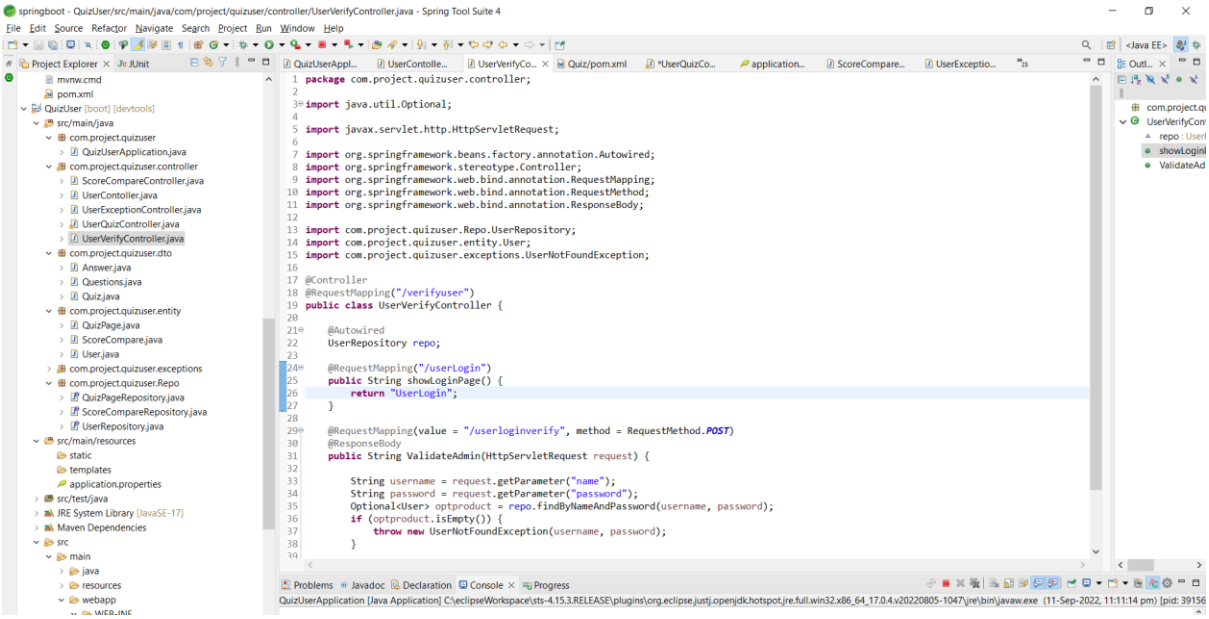

springboot - QuizUser/src/main/java/com/project/quizuser/entity/ScoreCompare.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
UserVerifyCo...
*UserQuizCo...
UserExceptio...
Answer.java
Questions.java
Quiz.java
QuizPage.java
ScoreCompare...
1 package com.project.quizuser.entity;
2
3 import javax.persistence.Entity;
6
7 @Entity
8 @Table(name="ScoreCompares")
9 public class ScoreCompare {
10
11 @Id
12 private String uname;
13 private int scorecard;
14
15 public String getUname() {
16 return uname;
17 }
18
19 public void setUname(String uname) {
20 this.uname = uname;
21 }
22
23 public int getScorecard() {
24 return scorecard;
25 }
26
27 public void setScorecard(int scorecard) {
28 this.scorecard = scorecard;
29 }
30
31 @Override
32 public String toString() {
33 return "ScoreCompare [uname=" + uname + ", scorecard=" + scorecard + "]";
34 }
35
36 }
37
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

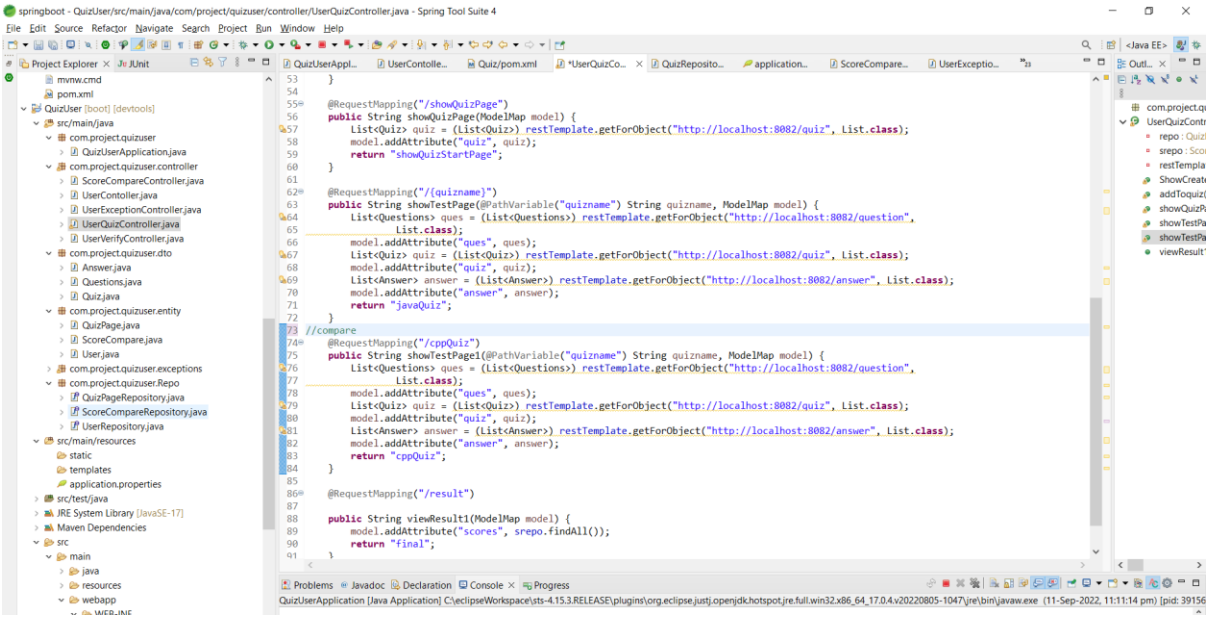

springboot - QuizUser/src/main/java/com/project/quizuser/entity/QuizPage.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
UserContolle... UserVerifyCo... *UserQuizCo... UserExceptio... Answer.java Questions.java Quiz.java QuizPage.java
1 package com.project.quizuser.entity;
3 import javax.persistence.Entity;
8 @Entity
9 public class QuizPage {
11 @Id
12 @GeneratedValue(strategy = GenerationType.IDENTITY)
13 private int pageid;
14 private int quizid;
15 private int quesid;
17 public int getPageid() {
18 return pageid;
19 }
21 public void setPageid(int pageid) {
22 this.pageid = pageid;
23 }
25 public int getQuizid() {
26 return quizid;
27 }
29 public void setQuizid(int quizid) {
30 this.quizid = quizid;
31 }
33 public int getQuesid() {
34 return quesid;
35 }
37 public void setQuesid(int quesid) {
38 this.quesid = quesid;
39 }
41 @Override
42 public String toString() {
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
<Java EE>
Outl...
com.project.q
QuizPage
pageid : int
quizid : int
quesid : int
getPageid(
setPageid(i
getQuizid()
setQuizid(i
getQuesid(
setQuesid(i
toString() :

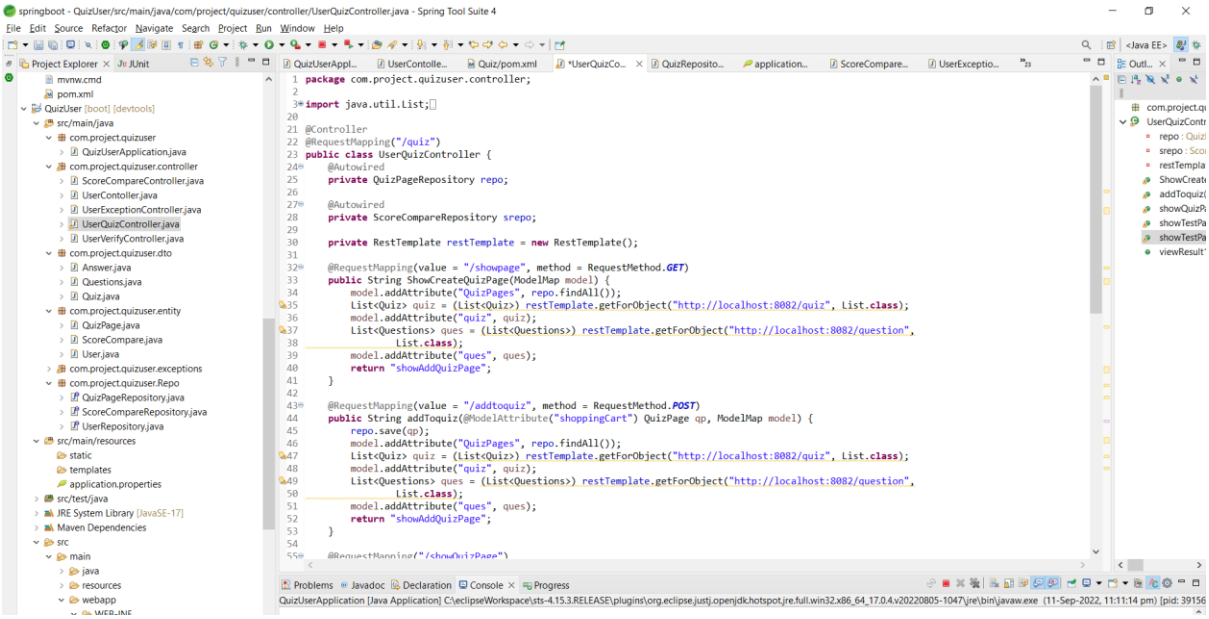

springboot - QuizUser/src/main/java/com/project/quizuser/dto/Quiz.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
UserContolle... UserVerifyCo... *UserQuizCo... ScoreCompare... UserExceptio... Answer.java Questions.java Quiz.java
1 package com.project.quizuser.dto;
3 public class Quiz {
5 private int quizid;
6 private String quizname;
8 public int getQuizid() {
9 return quizid;
10 }
12 public void setQuizid(int quizid) {
13 this.quizid = quizid;
14 }
16 public String getQuizname() {
17 return quizname;
18 }
20 public void setQuizname(String quizname) {
21 this.quizname = quizname;
22 }
24 @Override
25 public String toString() {
26 return "Quiz [quizid=" + quizid + ", quizname=" + quizname + "]";
27 }
29 }
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
<Java EE>
Outl...
com.project.q
Quiz
quizid : int
quizname :
getQuizid()
setQuizid(i
getQuizna
setQuizna
toString() :


springboot - QuizUser/src/main/java/com/project/quizuser/dto/Questions.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl... UserContolle... UserVerifyCo... *UserQuizCo... ScoreCompare... UserExceptio... Answer.java Questions.java
1 package com.project.quizuser.dto;
3 import java.util.HashSet;
6 public class Questions {
8 private int quesid;
9 private String ques;
11 private Set<Answer> answers = new HashSet<>();
15 public Set<Answer> getAnswers() {
16 return answers;
17 }
19 public void setAnswers(Set<Answer> answers) {
20 this.answers = answers;
21 }
23 public int getQuesid() {
24 return quesid;
25 }
27 public void setQuesid(int quesid) {
28 this.quesid = quesid;
29 }
31 public String getQues() {
32 return ques;
33 }
35 public void setQues(String ques) {
36 this.ques = ques;
37 }
39 @Override
40 public String toString() {
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
<Java EE>
Outl...
com.project.q
Questions
quesid : int
ques : Strin
answers : S
getAnswers
setAnswers
getQuesid(
setQuesid(i
getQues() :
setQues(Str
toString() :

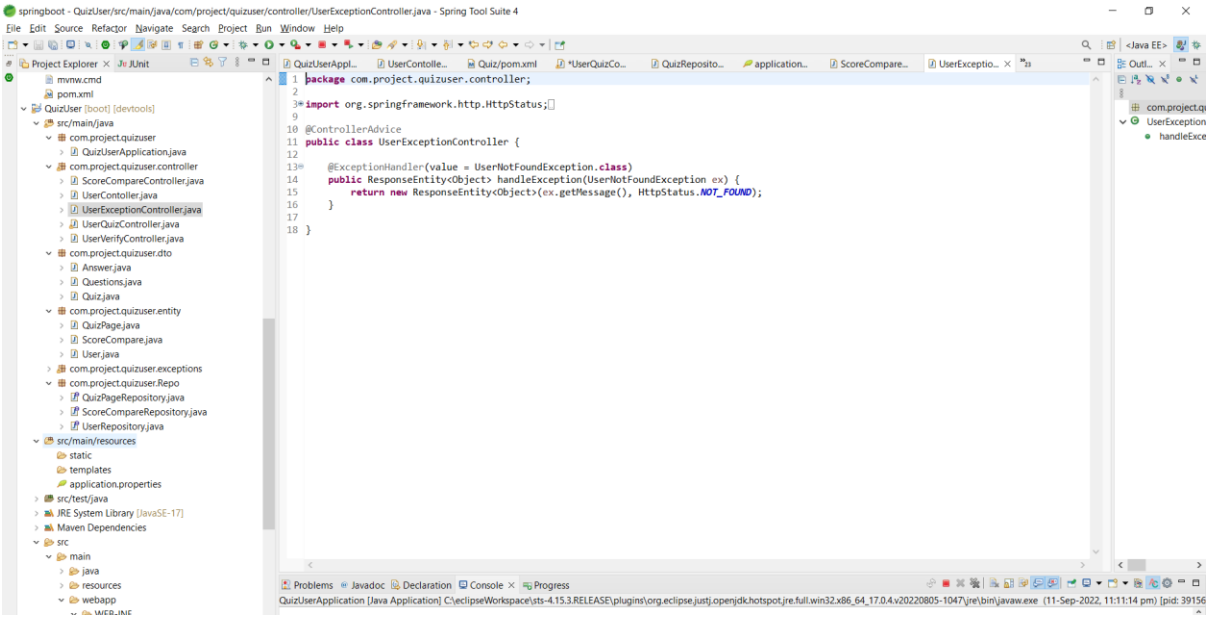

springboot - QuizUser/src/main/java/com/project/quizuser/dto/Answer.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl... UserContolle... UserVerifyCo... Quiz/pom.xml *UserQuizCo... ScoreCompare... UserExceptio... Answer.java
1 package com.project.quizuser.dto;
3 public class Answer {
5 private int id;
6 private String ans;
7 private Questions ques;
9 public int getId() {
10 return id;
11 }
13 public void setId(int id) {
14 this.id = id;
15 }
17 public String getAns() {
18 return ans;
19 }
21 public void setAns(String ans) {
22 this.ans = ans;
23 }
25 public Questions getQues() {
26 return ques;
27 }
29 public void setQues(Questions ques) {
30 this.ques = ques;
31 }
33 @Override
34 public String toString() {
35 return "Answer [id=" + id + ", ans=" + ans + ", ques=" + ques + "]";
36 }
38 }
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156


springboot - QuizUser/src/main/java/com/project/quizuser/controller/UserVerifyController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl... UserContolle... UserVerifyCo... Quiz/pom.xml *UserQuizCo... application... ScoreCompare... UserExceptio...
1 package com.project.quizuser.controller;
3 import java.util.Optional;
5 import javax.servlet.http.HttpServletRequest;
7 import org.springframework.beans.factory.annotation.Autowired;
8 import org.springframework.stereotype.Controller;
9 import org.springframework.web.bind.annotation.RequestMapping;
10 import org.springframework.web.bind.annotation.RequestMethod;
11 import org.springframework.web.bind.annotation.ResponseBody;
13 import com.project.quizuser.Repo.UserRepository;
14 import com.project.quizuser.entity.User;
15 import com.project.quizuser.exceptions.UserNotFoundException;
17 @Controller
18 @RequestMapping("/verifyuser")
19 public class UserVerifyController {
21 @Autowired
22 UserRepository repo;
24 @RequestMapping("/userLogin")
25 public String showLoginPage() {
26 return "UserLogin";
27 }
29 @RequestMapping(value = "/userloginverify", method = RequestMethod.POST)
30 @ResponseBody
31 public String ValidateAdmin(HttpServletRequest request) {
33 String username = request.getParameter("name");
34 String password = request.getParameter("password");
35 Optional<User> optproduct = repo.findByNameAndPassword(username, password);
36 if (optproduct.isEmpty()) {
37 throw new UserNotFoundException(username, password);
38 }
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156

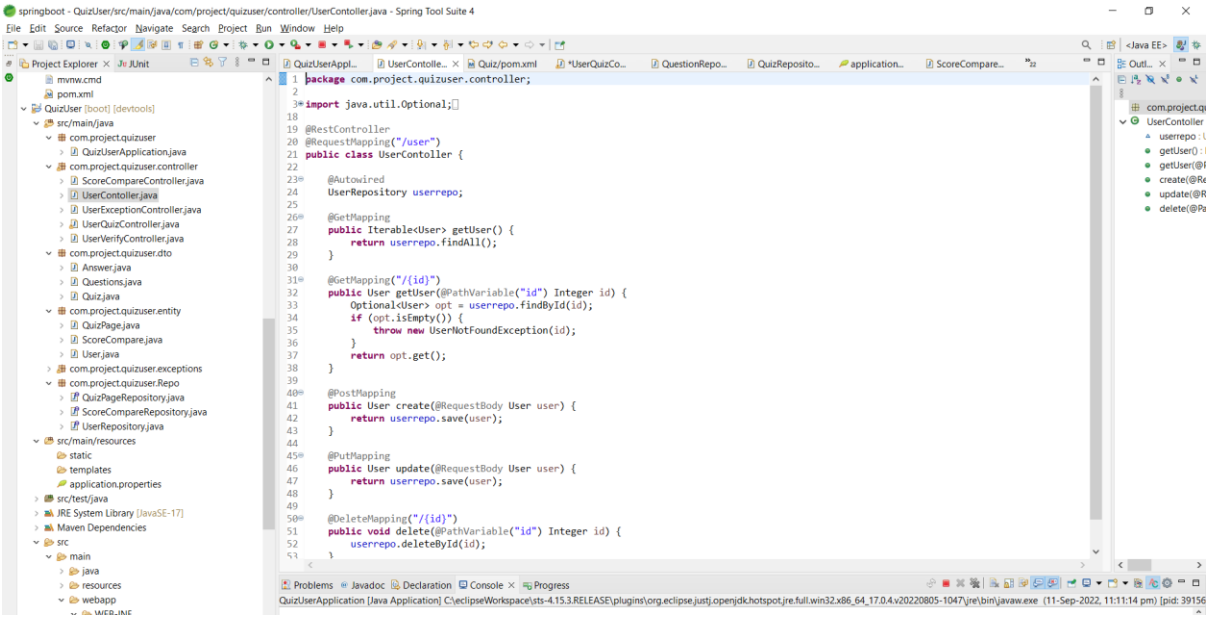

springboot - QuizUser/src/main/java/com/project/quizuser/controller/UserQuizController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl... UserContolle... Quiz/pom.xml *UserQuizCo... QuizReposito... application... ScoreCompare... UserExceptio...
53 }
55 @RequestMapping("/showQuizPage")
56 public String showQuizPage(ModelMap model) {
57 List<Quiz> quiz = (List<Quiz>) restTemplate.getForObject("http://localhost:8082/quiz", List.class);
58 model.addAttribute("quiz", quiz);
59 return "showQuizStartPage";
60 }
62 @RequestMapping("/{quizname}")
63 public String showTestPage(@PathVariable("quizname") String quizname, ModelMap model) {
64 List<Questions> ques = (List<Questions>) restTemplate.getForObject("http://localhost:8082/question",
65 List.class);
66 model.addAttribute("ques", ques);
67 List<Quiz> quiz = (List<Quiz>) restTemplate.getForObject("http://localhost:8082/quiz", List.class);
68 model.addAttribute("quiz", quiz);
69 List<Answer> answer = (List<Answer>) restTemplate.getForObject("http://localhost:8082/answer", List.class);
70 model.addAttribute("answer", answer);
71 return "javaQuiz";
72 }
73 //compare
74 @RequestMapping("/cppQuiz")
75 public String showTestPage1(@PathVariable("quizname") String quizname, ModelMap model) {
76 List<Questions> ques = (List<Questions>) restTemplate.getForObject("http://localhost:8082/question",
77 List.class);
78 model.addAttribute("ques", ques);
79 List<Quiz> quiz = (List<Quiz>) restTemplate.getForObject("http://localhost:8082/quiz", List.class);
80 model.addAttribute("quiz", quiz);
81 List<Answer> answer = (List<Answer>) restTemplate.getForObject("http://localhost:8082/answer", List.class);
82 model.addAttribute("answer", answer);
83 return "cppQuiz";
84 }
86 @RequestMapping("/result")
88 public String viewResult1(ModelMap model) {
89 model.addAttribute("scores", srepo.findAll());
90 return "final";
Problems Javadoc Declaration Console Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156



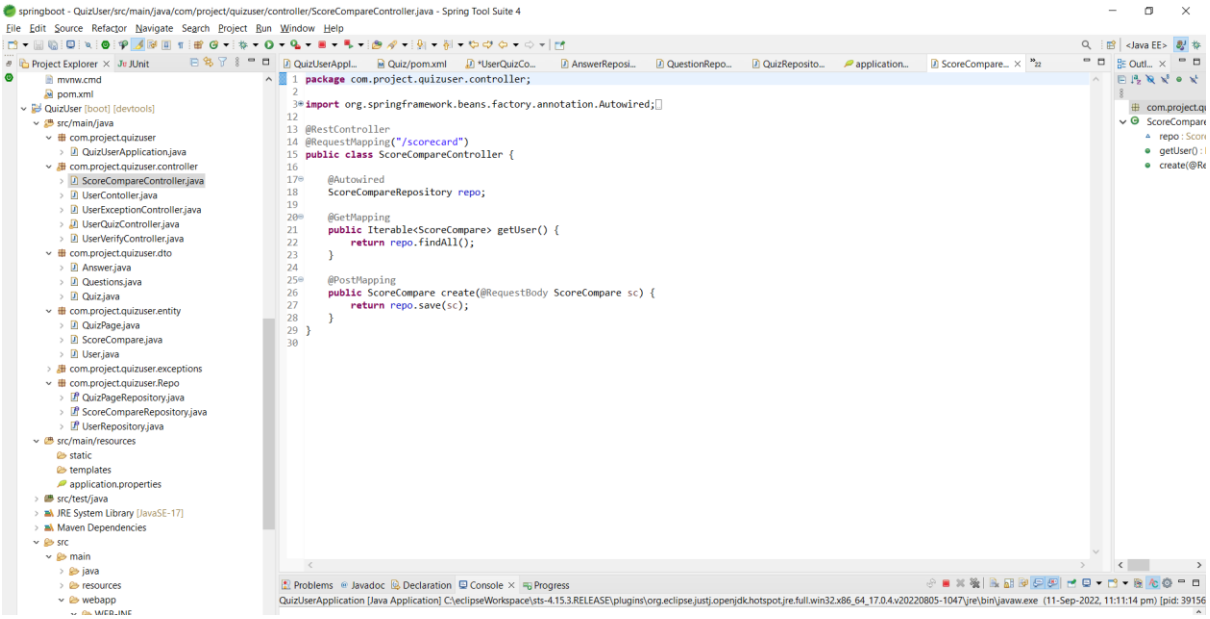

```java
package com.project.quizuser.controller;

import java.util.List;

@Controller
@RequestMapping("/quiz")
public class UserQuizController {
    @Autowired
    private QuizPageRepository repo;

    @Autowired
    private ScoreCompareRepository srepo;

    private RestTemplate restTemplate = new RestTemplate();

    @RequestMapping(value = "/showpage", method = RequestMethod.GET)
    public String ShowCreateQuizPage(ModelMap model) {
        model.addAttribute("QuizPages", repo.findAll());
        List<Quiz> quiz = (List<Quiz>) restTemplate.getForObject("http://localhost:8082/quiz", List.class);
        model.addAttribute("quiz", quiz);
        List<Questions> ques = (List<Questions>) restTemplate.getForObject("http://localhost:8082/question",
                List.class);
        model.addAttribute("ques", ques);
        return "showAddQuizPage";
    }

    @RequestMapping(value = "/addtoquiz", method = RequestMethod.POST)
    public String addToquiz(@ModelAttribute("shoppingCart") QuizPage qp, ModelMap model) {
        repo.save(qp);
        model.addAttribute("QuizPages", repo.findAll());
        List<Quiz> quiz = (List<Quiz>) restTemplate.getForObject("http://localhost:8082/quiz", List.class);
        model.addAttribute("quiz", quiz);
        List<Questions> ques = (List<Questions>) restTemplate.getForObject("http://localhost:8082/question",
                List.class);
        model.addAttribute("ques", ques);
        return "showAddQuizPage";
    }
```

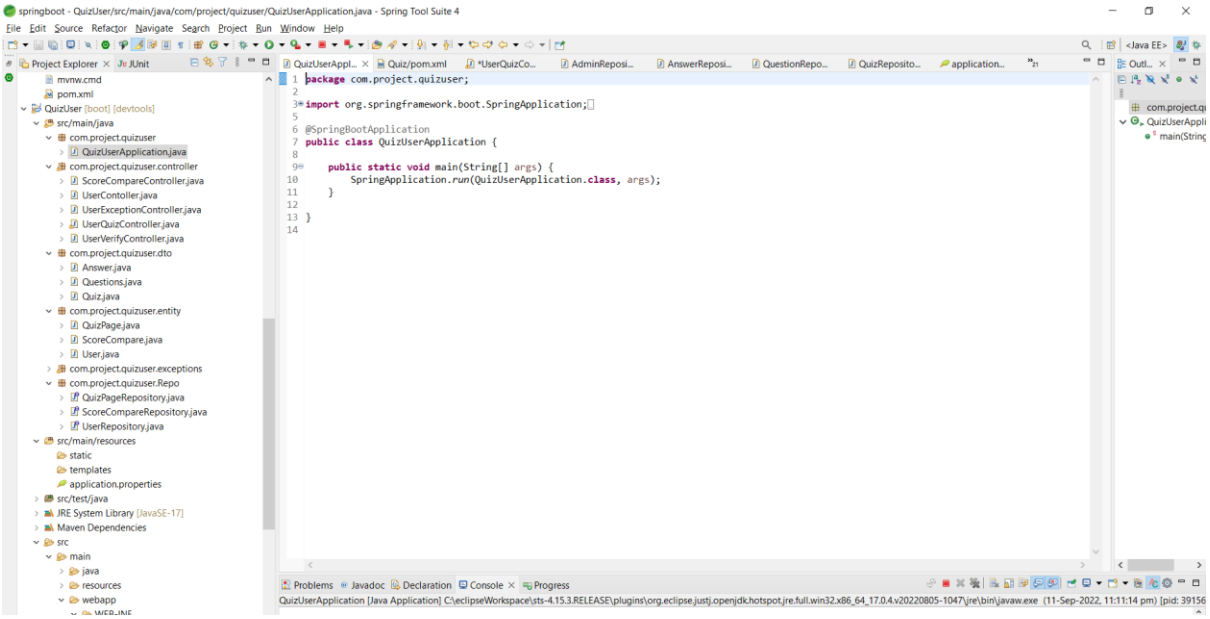


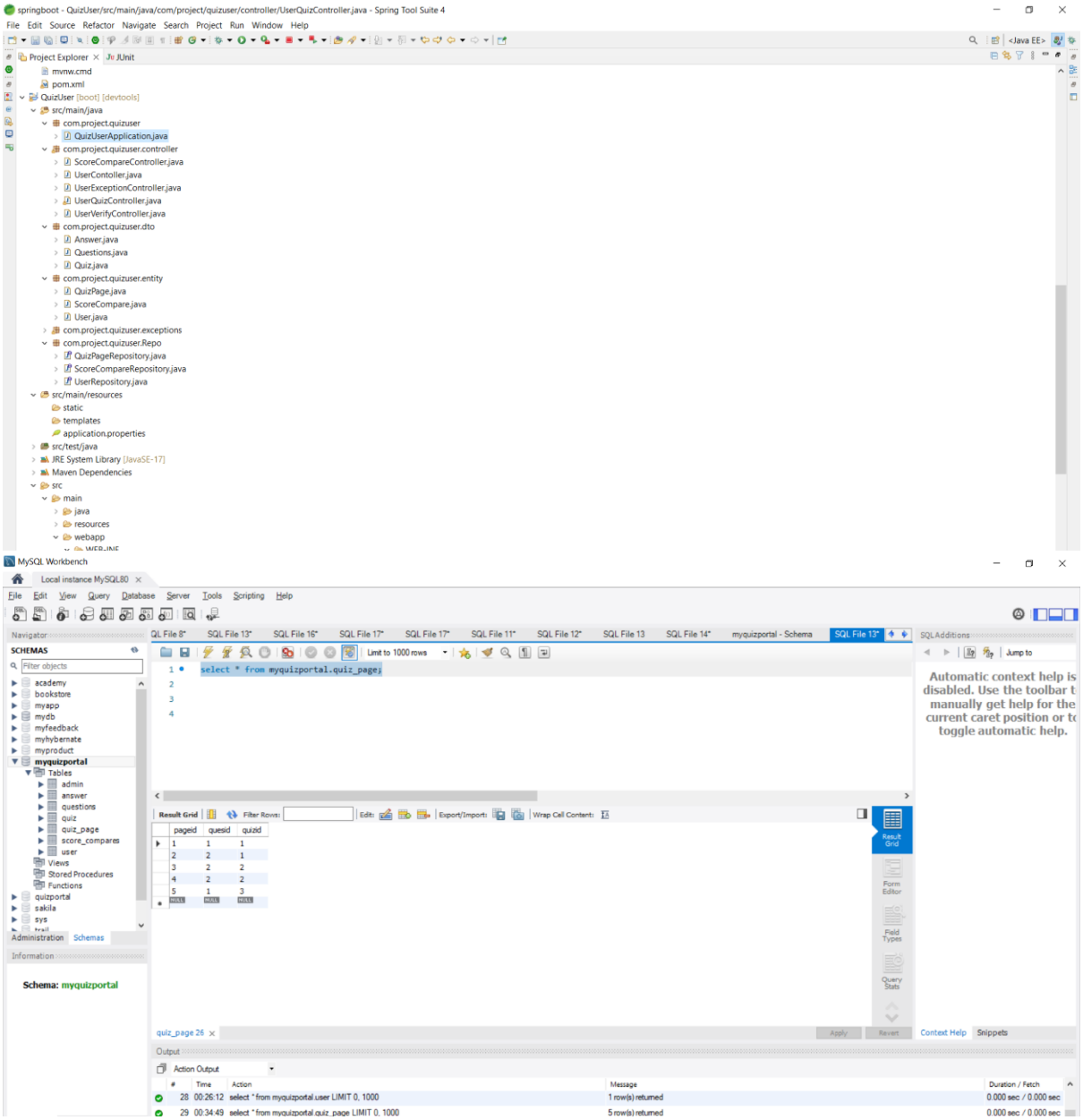

```java
package com.project.quizuser.controller;

import org.springframework.http.HttpStatus;

@ControllerAdvice
public class UserExceptionController {

    @ExceptionHandler(value = UserNotFoundException.class)
    public ResponseEntity<Object> handleException(UserNotFoundException ex) {
        return new ResponseEntity<Object>(ex.getMessage(), HttpStatus.NOT_FOUND);
    }

}
```




```java
package com.project.quizuser.controller;

import java.util.Optional;

@RestController
@RequestMapping("/user")
public class UserContoller {

    @Autowired
    UserRepository userrepo;

    @GetMapping
    public Iterable<User> getUser() {
        return userrepo.findAll();
    }

    @GetMapping("/{id}")
    public User getUser(@PathVariable("id") Integer id) {
        Optional<User> opt = userrepo.findById(id);
        if (opt.isEmpty()) {
            throw new UserNotFoundException(id);
        }
        return opt.get();
    }

    @PostMapping
    public User create(@RequestBody User user) {
        return userrepo.save(user);
    }

    @PutMapping
    public User update(@RequestBody User user) {
        return userrepo.save(user);
    }

    @DeleteMapping("/{id}")
    public void delete(@PathVariable("id") Integer id) {
        userrepo.deleteById(id);
    }
```


springboot - QuizUser/src/main/java/com/project/quizuser/controller/ScoreCompareController.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl...
Quiz/pom.xml
*UserQuizCo...
AnswerReposi...
QuestionRepo...
QuizReposito...
application...
ScoreCompare...
22
1 package com.project.quizuser.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
12
13 @RestController
14 @RequestMapping("/scorecard")
15 public class ScoreCompareController {
16
17 @Autowired
18 ScoreCompareRepository repo;
19
20 @GetMapping
21 public Iterable<ScoreCompare> getUser() {
22 return repo.findAll();
23 }
24
25 @PostMapping
26 public ScoreCompare create(@RequestBody ScoreCompare sc) {
27 return repo.save(sc);
28 }
29 }
30
Problems
Javadoc
Declaration
Console
Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
<Java EE>
Outl...
com.project.qu
ScoreCompare
repo : Score
getUser() : I
create(@Re


springboot - QuizUser/src/main/java/com/project/quizuser/QuizUserApplication.java - Spring Tool Suite 4
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
JUnit
mvnw.cmd
pom.xml
QuizUser [boot] [devtools]
src/main/java
com.project.quizuser
QuizUserApplication.java
com.project.quizuser.controller
ScoreCompareController.java
UserContoller.java
UserExceptionController.java
UserQuizController.java
UserVerifyController.java
com.project.quizuser.dto
Answer.java
Questions.java
Quiz.java
com.project.quizuser.entity
QuizPage.java
ScoreCompare.java
User.java
com.project.quizuser.exceptions
com.project.quizuser.Repo
QuizPageRepository.java
ScoreCompareRepository.java
UserRepository.java
src/main/resources
static
templates
application.properties
src/test/java
JRE System Library [JavaSE-17]
Maven Dependencies
src
main
java
resources
webapp
QuizUserAppl...
Quiz/pom.xml
*UserQuizCo...
AdminReposi...
AnswerReposi...
QuestionRepo...
QuizReposito...
application...
21
1 package com.project.quizuser;
2
3 import org.springframework.boot.SpringApplication;
5
6 @SpringBootApplication
7 public class QuizUserApplication {
8
9 public static void main(String[] args) {
10 SpringApplication.run(QuizUserApplication.class, args);
11 }
12
13 }
14
Problems
Javadoc
Declaration
Console
Progress
QuizUserApplication [Java Application] C:\eclipseWorkspace\sts-4.15.3.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (11-Sep-2022, 11:11:14 pm) [pid: 39156
<Java EE>
Outl...
com.project.qu
QuizUserAppli
main(String



If the Screenshots are not clear , I also added their code in PDF format:

Please go through them .As the Storage is limited for submission, I found it difficult to add clear images.