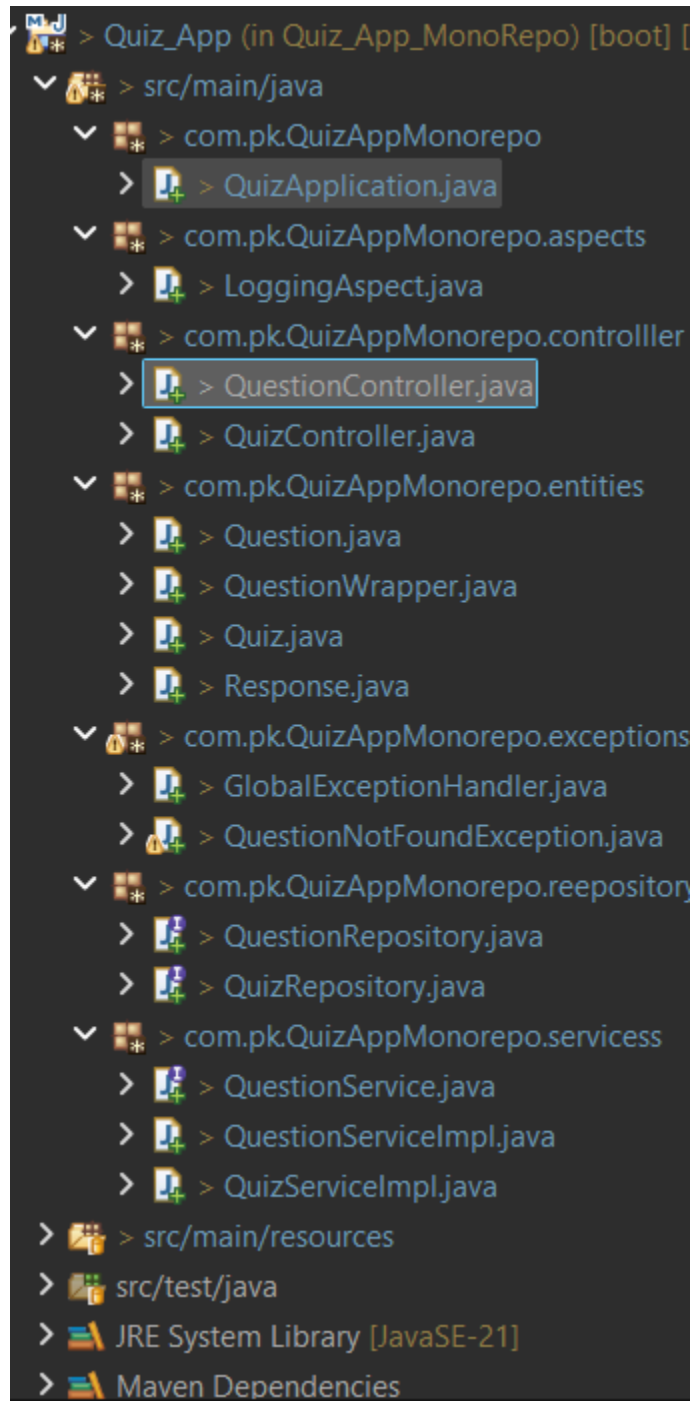


Project Structure:



For Question Control

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8080/getQuestionsById/2`
- Method:** `GET`
- Params:** One parameter with `Key` and `Value`.
- Status:** `200 OK`, `Time: 303 ms`, `Size: 470 B`
- Response Body (JSON):**

```
{  "id": 2,  "questionTitle": "What is the correct main method signature in Java?",  "option1": "public static void main",  "option2": "main void public static",  "option3": "void static public main",  "option4": "public void static main",  "correctAnswer": "public static void main",  "difficultyLevel": "EASY",  "category": "JAVA"}
```

GET http://localhost:8080/getAllQuestions

GET http://localhost:8080/getAllQuestions

Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results Status: 200 OK Time: 226 ms Size: 2.43 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "questionTitle": "Which keyword is used to define a class in Java?",
4   "option1": "class",
5   "option2": "method",
6   "option3": "object",
7   "option4": "package",
8   "correctAnswer": "class",
9   "difficultyLevel": "HARD",
10  "category": "JAVA"
11 },
12 {
13   "id": 2,
14   "questionTitle": "What is the correct main method signature in Java?",
15   "option1": "public static void main",
16   "option2": "main void public static",
17   "option3": "void static public main",
18   "option4": "public void static main",
19   "correctAnswer": "public static void main",
20   "difficultyLevel": "EASY",
21   "category": "JAVA"
22 },
23 {
24   "id": 3,
25   "questionTitle": "Which keyword is used to declare an integer variable in Java?",
26   "option1": "integer"
```

POST http://localhost:8080/SaveQuestions

POST http://localhost:8080/SaveQuestions

Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "id": 1,
3   "questionTitle": "Which keyword is used to define a class in python?",
4   "option1": "class",
5   "option2": "method",
6   "option3": "object",
7   "option4": "package",
8   "correctAnswer": "class",
9   "difficultyLevel": "HARD",
10  "category": "JAVA"
11 }
```

Body Cookies Headers (5) Test Results Status: 200 OK Time: 142 ms Size: 384 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "questionTitle": "Which keyword is used to define a class in python?",
4   "option1": "class",
5   "option2": "method",
6   "option3": "object",
7   "option4": "package",
8   "correctAnswer": "class",
9   "difficultyLevel": "HARD",
10  "category": "JAVA"
11 }
```

http://localhost:8080/updateQuestion/1

PATCH http://localhost:8080/updateQuestion/1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "id": 1,
3   "questionTitle": "Which keyword is used to define a class in Java ?",
4   "option1": "class",
5   "option2": "method",
6   "option3": "object",
7   "option4": "package",
8   "correctAnswer": "class",
9   "difficultyLevel": "HARD",
10  "category": "JAVA"
11 }
```

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 59 ms Size: 383 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "questionTitle": "Which keyword is used to define a class in Java ?",
4   "option1": "class",
5   "option2": "method",
6   "option3": "object",
7   "option4": "package",
8   "correctAnswer": "class",
9   "difficultyLevel": "HARD",
10  "category": "JAVA"
11 }
```

http://localhost:8080/deleteQuestionById/1

DELETE http://localhost:8080/deleteQuestionById/1

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary JSON

1

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 682 ms Size: 184 B Save Response

Pretty Raw Preview Visualize Text

```
1 Deleted Successfully
```

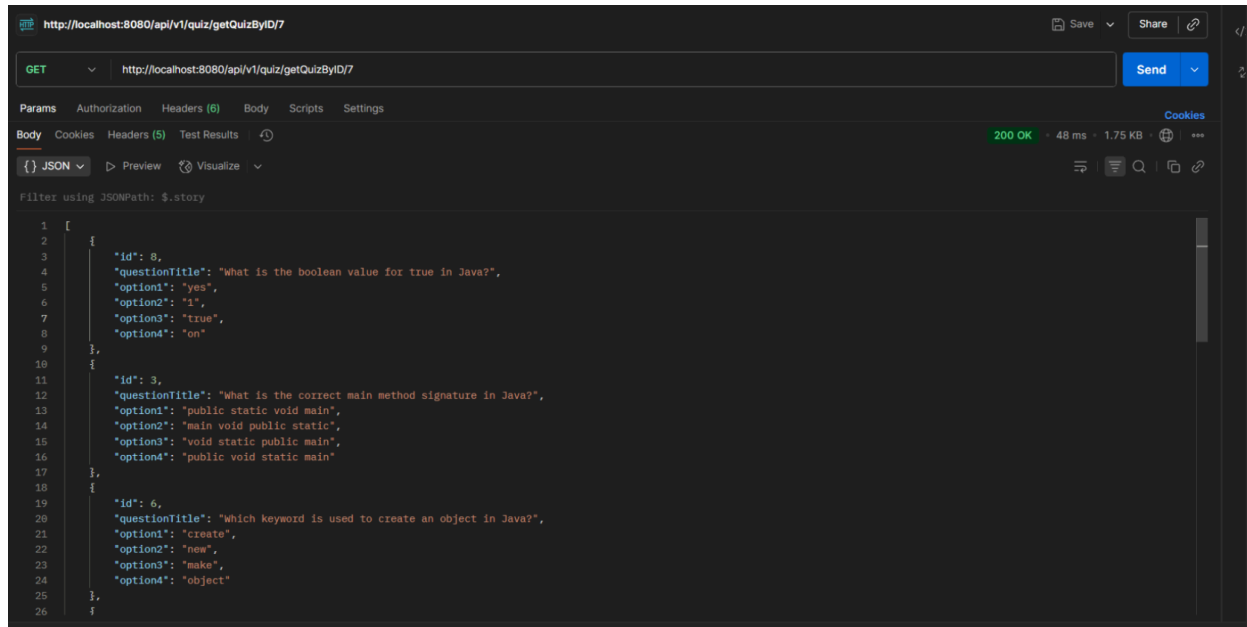
For Quiz control:

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8080/ap/v1/quiz/create?category=Java&level=Easy&title=Quiz on JAVA`
- Method:** `POST`
- Query Params:**

Key	Value	Description
<input checked="" type="checkbox"/> category	Java	
<input checked="" type="checkbox"/> level	Easy	
<input checked="" type="checkbox"/> title	Quiz on JAVA	
- Body:** JSON format, containing:

```
{  "id": 7,  "questions": [    {      "level": "EASY",      "category": "JAVA",      "id": 8,      "questionTitle": "What is the boolean value for true in Java?",      "correctAnswer": "true",      "option2": "1",      "option4": "on",      "option3": "true",      "option1": "yes"    },    {      "level": "EASY",      "category": "JAVA",      "id": 9,      "questionTitle": "What is the boolean value for false in Java?",      "correctAnswer": "false",      "option2": "1",      "option4": "on",      "option3": "true",      "option1": "yes"    }  ]  }
```
- Status:** `200 OK`, 228 ms, 2.38 KB
- Response Body:** JSON (expanded view)



http://localhost:8080/api/v1/quiz/getQuizById/7

GET http://localhost:8080/api/v1/quiz/getQuizById/7

Params Authorization Headers (6) Body Scripts Settings

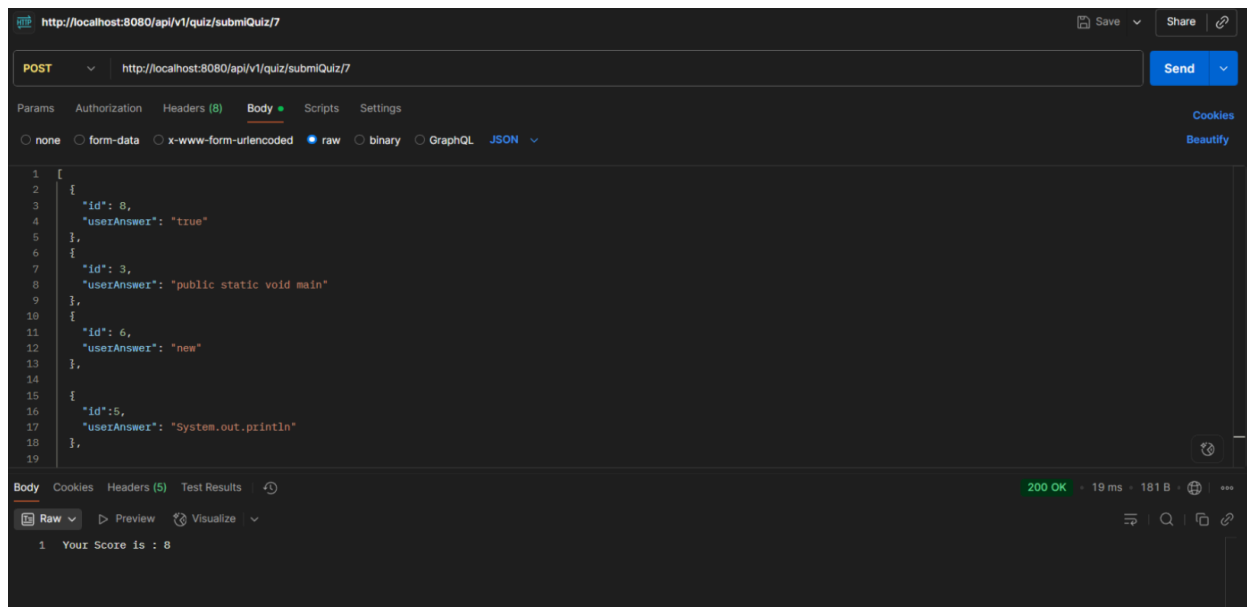
Body Cookies Headers (5) Test Results

JSON Preview Visualize

Filter using JSONPath: \$.story

```
1 {
2   {
3     "id": 8,
4     "questionTitle": "What is the boolean value for true in Java?",
5     "option1": "yes",
6     "option2": "1",
7     "option3": "true",
8     "option4": "on"
9   },
10  {
11    "id": 3,
12    "questionTitle": "What is the correct main method signature in Java?",
13    "option1": "public static void main",
14    "option2": "main void public static",
15    "option3": "void static public main",
16    "option4": "public void static main"
17  },
18  {
19    "id": 6,
20    "questionTitle": "Which keyword is used to create an object in Java?",
21    "option1": "create",
22    "option2": "new",
23    "option3": "make",
24    "option4": "object"
25  },
26 }
```

200 OK · 48 ms · 1.75 KB



http://localhost:8080/api/v1/quiz/submitQuiz/7

POST http://localhost:8080/api/v1/quiz/submitQuiz/7

Params Authorization Headers (8) Body Scripts Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Body Cookies Headers (5) Test Results

Raw Preview Visualize

```
1 {
2   {
3     "id": 8,
4     "userAnswer": "true"
5   },
6   {
7     "id": 3,
8     "userAnswer": "public static void main"
9   },
10  {
11    "id": 6,
12    "userAnswer": "new"
13  },
14  {
15    "id": 5,
16    "userAnswer": "System.out.println"
17  },
18 }
```

Body Cookies Headers (5) Test Results

Raw Preview Visualize

```
1 Your Score is : 8
```

200 OK · 19 ms · 181 B

DataBase:-

SCHEMAS

Filter objects

- quizdb
 - Tables
 - question
 - quiz
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - quiz_questions
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
 - quizapp
 - quizserviceapp
 - quiz_service_db
 - sakila
 - school_db

Limit to 1000 rows

1 • SELECT * FROM quizdb.question;

Result Grid

id	category	correct_answer	difficulty_level	option1	option2	option3	option4	question_title
2	JAVA	public static void main	EASY	public static void main	main void public static	void static public main	public void static main	What is the correct main method signature in Java?
3	JAVA	int	EASY	integer	number	int	num	Which keyword is used to declare an integer variable?
4	JAVA	System.out.println	EASY	echo	System.out.print	System.out.println	print()	Which statement is used to print text in Java?
5	JAVA	new	EASY	create	new	make	object	Which keyword is used to create an object in Java?
6	JAVA	extends	EASY	implements	inherits	extends	includes	Which keyword is used for inheritance in Java?
7	JAVA	true	EASY	yes	1	true	on	What is the boolean value for true in Java?
8	JAVA	null	EASY	none	void	null	empty	What is the default value of a reference variable?
9	JAVA	if	EASY	if	when	check	compare	Which keyword is used for conditional statements?
10	JAVA	for	EASY	loop	iterate	for	while	Which keyword is used to write a loop that repeats?

Logging:

```

2025-08-09T09:05:20.661+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] com.pk.QuizAppMonorepo.QuizApplication : Starting QuizApplication using Java 21.0.8 with PID 19200 (D:\avulap1@gmail.com\workspace\QuizApp-Monorepo\QuizAppMonorepo\build\libs\QuizAppMonorepo-0.0.1-SNAPSHOT.jar)
2025-08-09T09:05:20.664+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] com.pk.QuizAppMonorepo.QuizApplication : No active profile set, falling back to 1 default profile: "default"
2025-08-09T09:05:20.711+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.add-properties' to 'false' to disable.
2025-08-09T09:05:20.712+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.web' property.
2025-08-09T09:05:21.366+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2025-08-09T09:05:21.425+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 48 ms. Found 2 JPA repository interfaces.
2025-08-09T09:05:22.050+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-08-09T09:05:22.063+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-08-09T09:05:22.063+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.43]
2025-08-09T09:05:22.144+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-08-09T09:05:22.144+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1432 ms
2025-08-09T09:05:22.380+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.hibernate.jpa.internal.util.LogHelper : HHH0000204: Processing PersistenceUnitInfo [name: default]
2025-08-09T09:05:22.426+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] org.hibernate.Version : HHH0000412: Hibernate ORM core version 6.6.22.Final
2025-08-09T09:05:22.457+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.h.c.internal.RegionFactoryInitiator : HHH0000206: Second-level cache disabled
2025-08-09T09:05:22.689+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup: ignoring JPA class transformer
2025-08-09T09:05:22.713+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2025-08-09T09:05:23.040+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@2c9fa211
2025-08-09T09:05:23.042+05:30 INFO 19200 --- [QuizApp-Monorepo] [ restartedMain] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
  
```