

# **USER GUIDE DOCUMENT**

## **Fundamental Java Project – Quiz Manager**

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## Roles:

### Admin Role

1. Login as Admin to perform create, update, and delete operations with following credentials
  - o Username: **ADM**
  - o Password: **ADM**
2. After login, below options are displayed:
  - Create Quiz
  - Search Quiz
  - Delete Quiz
  - Export Quiz

Select any option by entering and proceed.

For Create Quiz, Admin can add the Questions with their Multiple-Choice Options and the correct answer and then create with Difficulty and the Topic Selected.

For Search Quiz, Admin can search Quiz based on the Quiz and then select the Question from the List and then update the fields accordingly.

For Delete quiz, Admin can delete the Entire quiz based on the Quiz.

For Export Quiz, Admin can export the Quiz into PDF format with list of Questions and Answers

3. Each option will have respective function which will be affected in database.
4. Admin will only have the access create, search, delete and export options whereas student will have access to attempt the quiz.

### Candidate Role

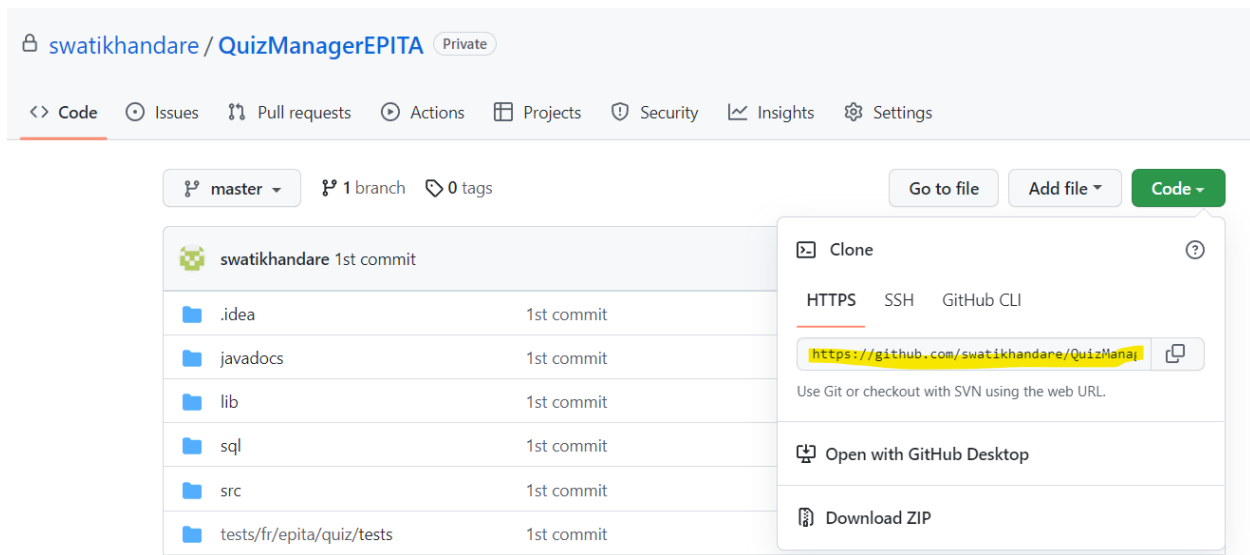
1. If Candidate is new User, then he/she can register with his/her details, then enter the name as username and password.
2. After login, Candidate can choose the Quiz based on the Topic and Difficulty
3. Candidate can select the level of difficulty:
  - Easy as 1
  - Medium as 2
  - Difficult as 3

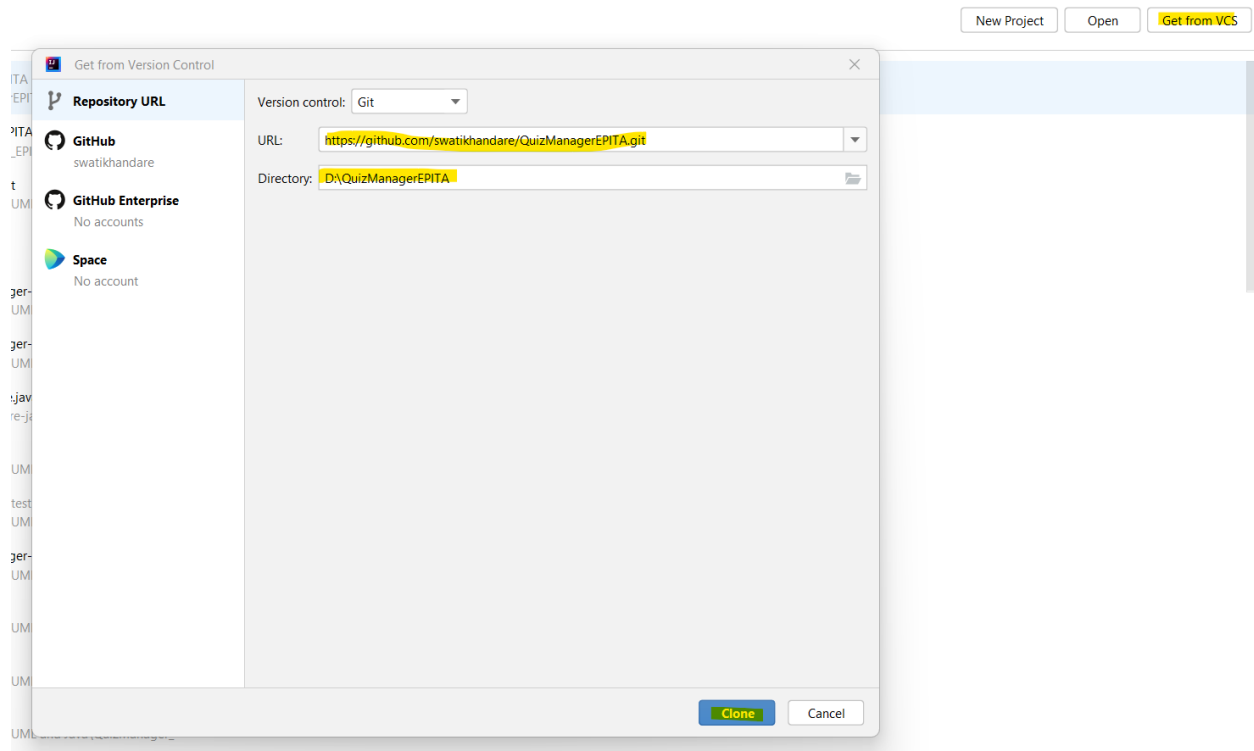
4. Candidate will now be able to see quiz screen where sequence of questions will be displayed one by one after you answer questions.
5. Candidate can select the correct answer for each question and then record to save the input, then go to Next.
6. Once Quiz has ended, the Score will be displayed at the end of the quiz.

## Compilation and Installation Steps:

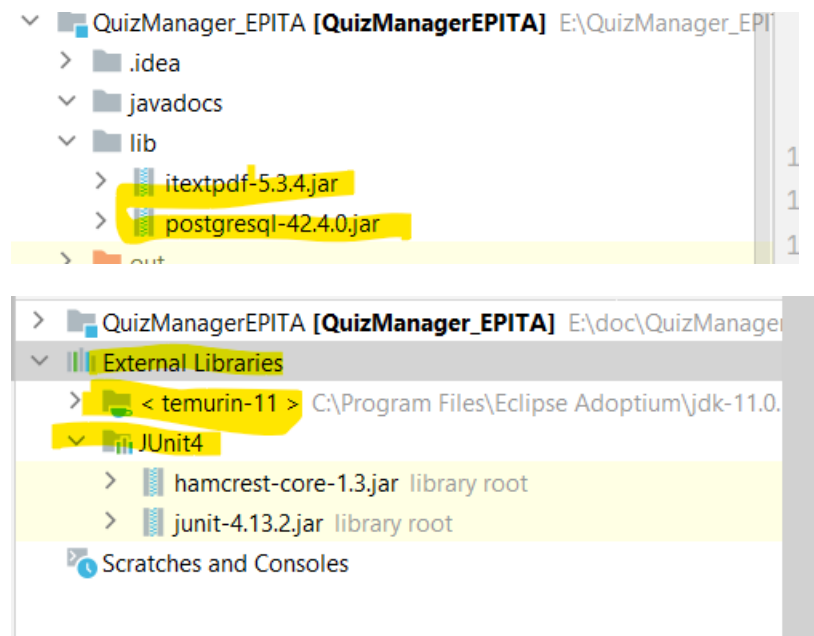
1. Copy the URL link and clone the project in IntelliJ.

URL: <https://github.com/swatikhandare/QuizManagerEPITA.git>





2. Make sure that the project has the below jars and extended libraries



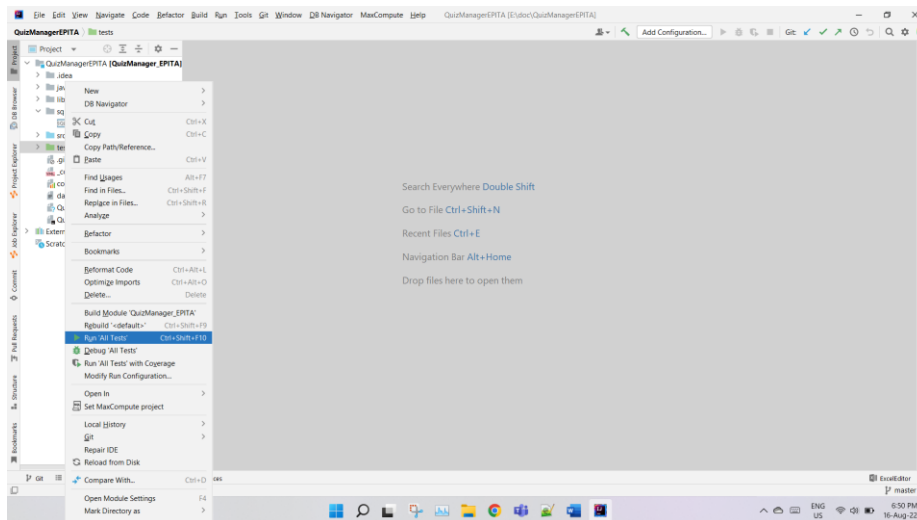
3. Run all the queries from commands.sql file in PostgreSQL

```

1 CREATE TABLE IF NOT EXISTS QUIZ(id serial PRIMARY KEY, name varchar(255));
2 CREATE TABLE IF NOT EXISTS ADMIN(UNAME VARCHAR(255), PASSWD VARCHAR(255));
3 CREATE TABLE IF NOT EXISTS CANDIDATE(NAME VARCHAR(255), UNAME VARCHAR(255), PASSWD VARCHAR(255));
4 CREATE TABLE IF NOT EXISTS QUESTION(id int, qid serial, content varchar(255), topics varchar(255), difficulty int,
5 ANSWER varchar(255), CHOICEA varchar(255), CHOICEB varchar(255), CHOICEC varchar(255), CHOICED varchar(255), CONSTRAINT id_fk FOREIGN KEY (id) RE
6
7
8 INSERT INTO QUIZ (name) values ('Java');
9 INSERT INTO QUIZ (name) values ('Python');
10 INSERT INTO QUIZ (name) values ('SQL');
11 INSERT INTO QUIZ (name) values ('SAP');
12 INSERT INTO QUIZ (name) values ('Angular');
13 INSERT INTO QUIZ (name) values ('Unix');
14 INSERT INTO QUIZ (name) values ('Test Quiz');
15 INSERT INTO ADMIN VALUES('ADM', 'ADM');
16
17
18
19 INSERT INTO CANDIDATE (name, uname, passwd) values ('Swati', 'Swati', 'Swati');
20
21
22 INSERT INTO QUESTION(id,content,topics,difficulty,answer,choicea,choiceb,choicec,choiced) VALUES
23 (1,'Which component is used to compile, debug and execute the java programs?','Java',1,'JDK','JRE','JIT','JDK','JVM'),
24 (1,'What is the extension of java code files?','Java',2,'.java','.js','.txt','.class','.java'),
25 (1,'Which one of the following is not a Java feature?','Java',3,'Use of pointers','Object-oriented','Use of pointers','Portable','Dynamic an
(2,'Who developed Python Programming Language?','Python',1,'Guido van Rossum','Wick van Rossum','Rasmus Lerdorf','Guido van Rossum','Niene S
(2,'Which type of Programming does Python support?','Python',2,'all of the mentioned','object-oriented programming','structured programming'
(2,'Which of the following is the correct extension of the Python file?','Python',3,'.py','.python','.pl','.py','.p');

```

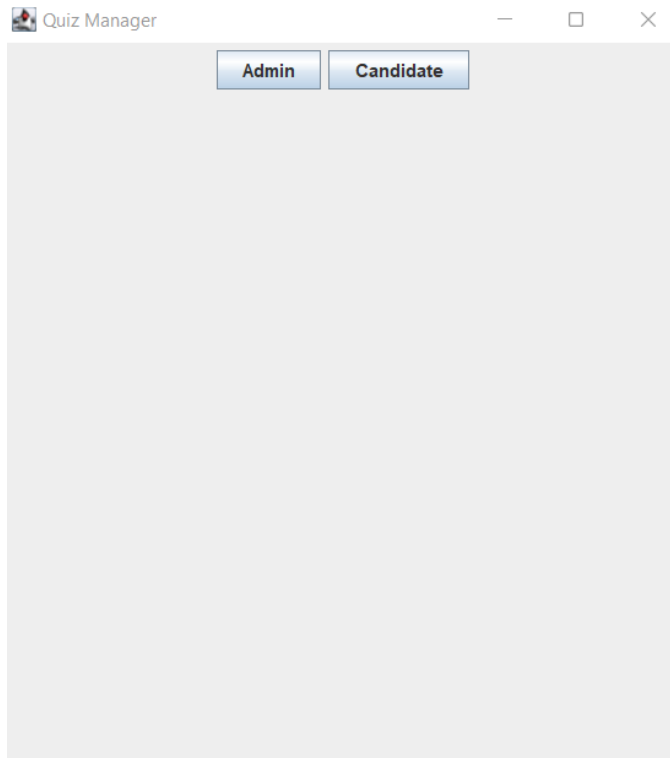
4. Run all the tests from the \QuizManagerEPITA\tests directories



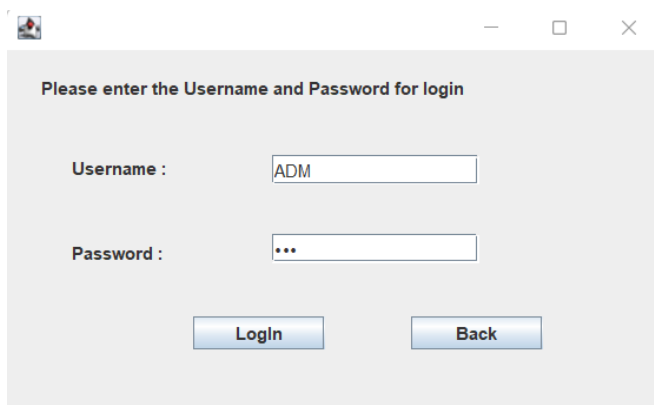
## Execution Modules:

### Admin Module

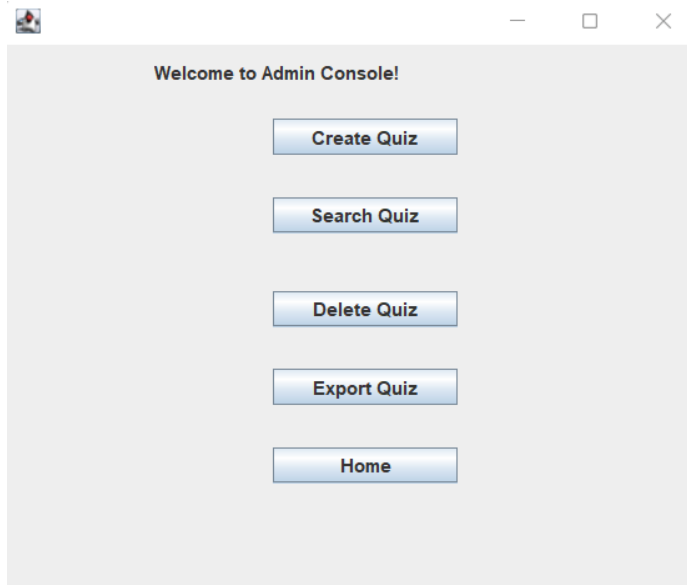
1. Run Main(). It has Admin and Candidate Buttons



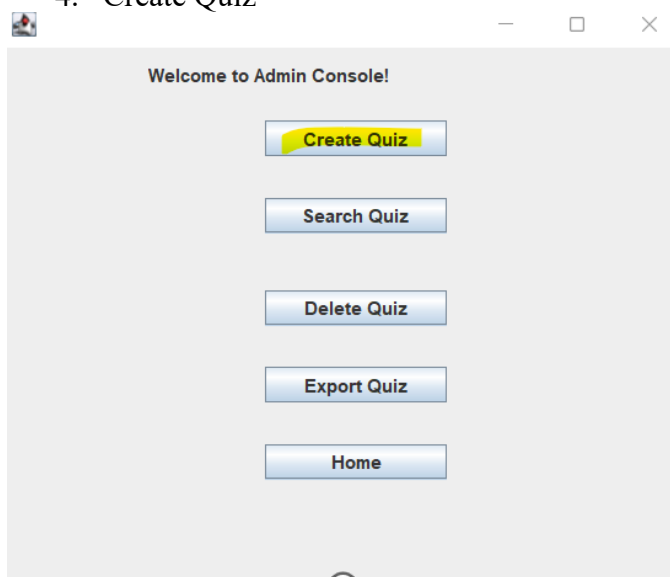
2. Admin Console: Login with User name and password (ADM, ADM)



3. Admin Console will display the Menu



#### 4. Create Quiz





**Add a Question**

Question :

Topic :

Difficulty :

Choice A :

Choice B :

Choice C :

Choice D :

Correct Answer :

1 - Java

Message

**Question is added successfully!**

OK

**ADD** UPDATE DELETE Back

## 5. Search Quiz

Welcome to Admin Console!

Create Quiz

**Search Quiz**

Delete Quiz

Export Quiz

Home

Database Search Result

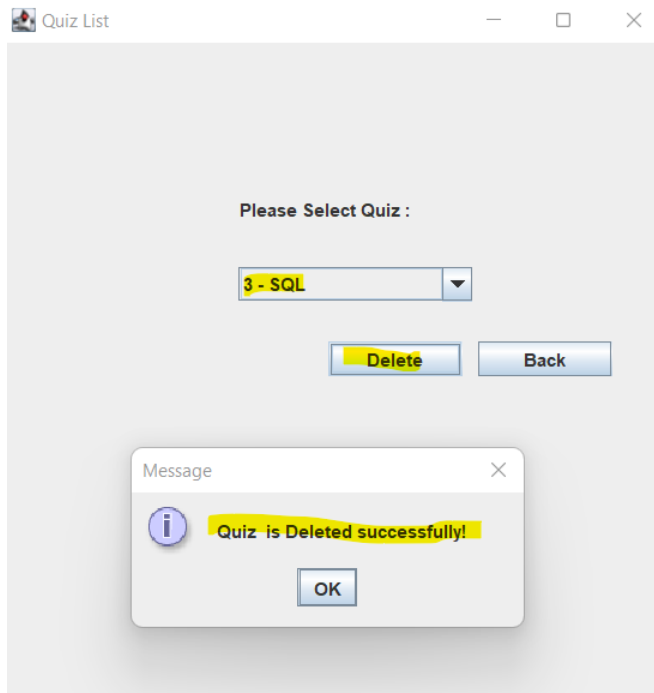
Enter Topic to search:

List of Questions

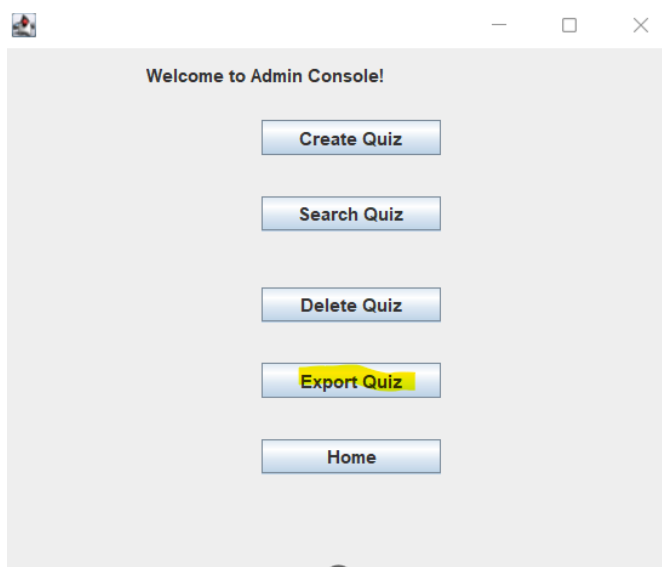
Id	Question	Topic	Difficulty
14	Which component is used to compile, debug and execute the java programs?	Java	1
16	Which one of the following is not a Java feature?	Java	3

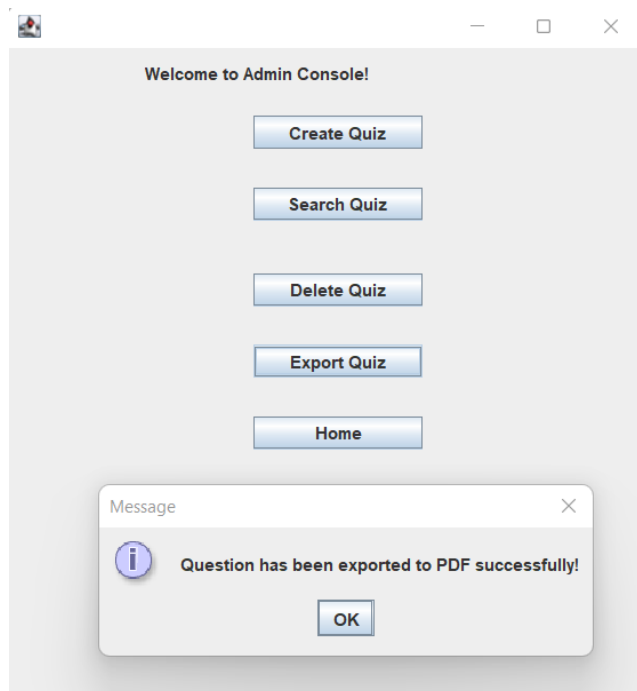
## 6. Delete Quiz Module

Welcome to Admin Console!

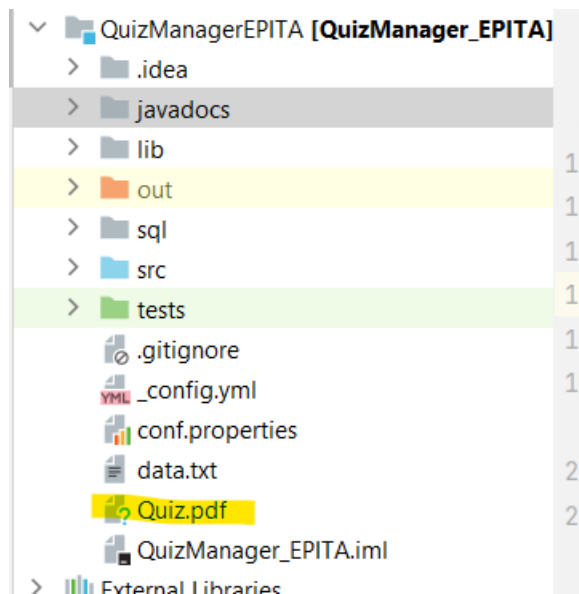


## 7. Export Quiz into PDF





Quiz. PDF is exported in the project



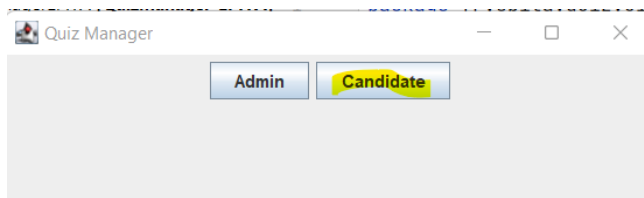
← → ↻ File | E:/doc/QuizManagerEPITA/Quiz.pdf

Quiz.pdf 1 / 1 100% + |

ID	Question	Topic	Difficulty	Answer
14	Which component is used to compile, debug and execute the java programs?	Java	1	JDK
15	What is the extension of java code files?	Java	2	.java
16	Which one of the following is not a Java feature?	Java	3	Use of pointers
17	Who developed Python Programming Language?	Python	1	Guido van Rossum
18	Which type of Programming does Python support?	Python	2	all of the mentioned
19	Which of the following is the correct extension of the Python file?	Python	3	.py
20	Which component is used to compile, debug and	Java	1	JDK

## Candidate Module

### 1. Candidate registration



Login Register

Username :  Name :

Password :  Username :

Password :

Login Back Sign Up

Message

Candidate have registered Successfully!

OK

## 2. Candidate login

Login Register

Username :  Name :

Password :  Username :

Password :

Login Back Sign Up

## 3. Select Quiz based on Topic and Difficulty

Welcome to Candidate Portal!

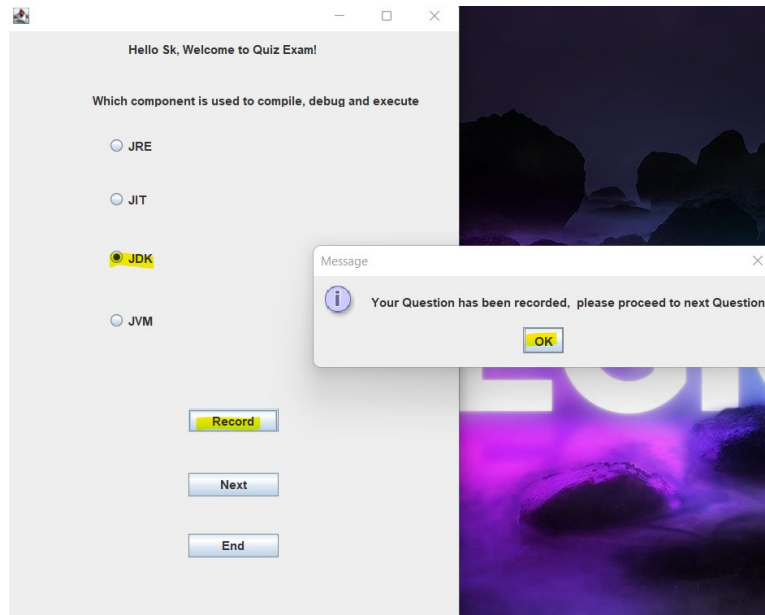
Select a Topic and the Difficulty(1 or 2 or 3) :

Topic :

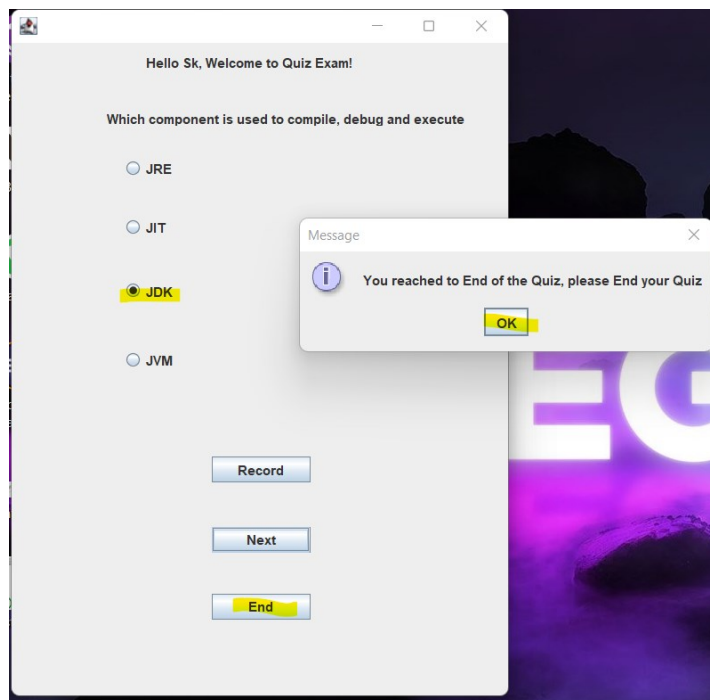
Difficulty :

Proceed

#### 4. Take the Quiz



#### 5. Alert after reaching the end of Quiz



#### 6. End of Quiz and Result

