* **Overview**

This document summarizes the technical specifications of the Quiz Manager Application.

The Quiz Manager Java Application currently is a console application developed to target problems generally faced by a teacher during development of a quiz. This console application currently can handle the below requirements,

1. Teacher/Admin login
2. Display all MCQ Questions Available in the system/database
3. Display all Open Questions available in the system/database
4. Perform CRUD Operations, i.e., Create, Read, Update and Delete operations on MCQ question
5. Perform CRUD Operations, i.e., Create, Read, Update and Delete operations on Open question
6. Search MCQ question based on a topic
7. Search Open Question based on a topic
8. Prepare a MCQ Quiz based on random topic/random selection
9. Prepare an Open Exam based on random topic/random selection
10. Prepare a MCQ Quiz based on a specific topic
11. Prepare an Open Exam based on a specific topic

* **Pre-requisites**

**Database JAR File Configuration**

Please ensure the below the JAR File has been added to the lib folder of the project and also ensure to add dependency as a JAR file to the project.

Below is the attached FAR File.



In case of any updated, please download the appropriate version, add the JAR file to the lib folder and add the dependency in the project.

**crendential.properties file**

Please ensure to write the user/admin/teacher login credentials in this file. The application will pick credentials from this file. Also, please do not change the location of the file.

Username should be written as a property of teacherName and User password should be written as a property of teacherPassword.

**db\_connection\_details.csv**

This a csv file. In this file, the Postgres database credentials needs to be written in the second line and a comma separated value of database Name, username and password. Please don’t change the location of the file as the program picks database credentials from this file.

Note: the program, creates relations in the mentioned database name. Ensure that the mentioned database is present in the username or schema.

**Git Pull**

The entire project is available on the below github link. Ensure to clone the application from this link

<https://github.com/Srinidhi-Gopal/java-quiz-manager.git>

* **Starting the Application**

This application is a currently a console application, i.e., the application is run on a console of an editor like Intellij.

**To kick start the application please run the main method of the Launcher.java class in the location ./src/fr/epita/quiz/launcher**