

End User Documentation for Quiz Application

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1. Introduction

1.1 Welcome

Welcome to the Quiz Application! This document will guide you through the process of using the application, from installation to taking quizzes and viewing your results.

1.2 About the Quiz Application

The Quiz Application is a desktop-based program designed to help students take quizzes and receive immediate feedback. After completing a quiz, users can generate a PDF report showing their score and student ID.

2. Installation

2.1 System Requirements

- Operating System: Windows, macOS, or Linux
- Java Runtime Environment: JRE 8 or higher
- MySQL Database: Version 5.7 or higher
- Disk Space: At least 100 MB of free space

2.2 Installation Steps

1. Download the Application: Obtain the latest version of the Quiz Application from the official GitHub repository "<https://github.com/jeshurun-com/java-app.git>".
2. Install Java: Ensure that JRE 8 or higher is installed on your system. You can download it from [Oracle's website](<https://www.oracle.com/java/technologies/javase-downloads.html>).
3. Install MySQL: Install MySQL and set up the `Quiz` database with a `Students` table containing `id` (VARCHAR).
4. Run the Application:
 - Extract the downloaded Quiz Application zip file.
 - Open a terminal or command prompt.
 - Navigate to the extracted folder.
 - Run the command: `java -cp .:mysql-connector-j-8.0.30.jar App` (adjust the command according to your system's file path and Java classpath syntax).`

3. Getting Started

3.1 Launching the Application

1. Open the Terminal/Command Prompt: Navigate to the directory where the Quiz Application files are located.
2. Run the Application: Execute the command ``java -cp .:mysql-connector-j-8.0.30.jar App`` to start the application.

3.2 Logging In

1. Enter Your Student ID: When the login window appears, enter your student ID in the provided text field.
2. Click "Login": Press the "Login" button to proceed. If your ID is valid, you will be granted access to the quiz interface.

4. Taking a Quiz

4.1 Quiz Interface

- Question Label: Displays the current quiz question.
- Multiple-Choice Options: Four radio buttons representing the possible answers.
- Navigation Buttons: "Previous", "Next", and "Submit" buttons for navigating through the quiz and submitting your answers.

4.2 Navigating Through Questions

- Next Button: Click "Next" to proceed to the next question. Ensure you have selected an answer before moving on.
- Previous Button: Click "Previous" to go back to the previous question and review or change your answer.

4.3 Submitting Your Quiz

1. Complete All Questions: Navigate through all questions and provide answers.

2. Click "Submit": When you reach the last question, click the "Submit" button to finalize your answers and submit the quiz.

5. Viewing Your Results

5.1 Score Display

- Score Message: After submitting the quiz, a message dialog will display your score, indicating the number of correct answers out of the total questions.

5.2 Generating the PDF Report

1. Automatic PDF Generation: Upon submission of the quiz, a PDF report (`QuizResult.pdf`) will be automatically generated and saved in the application directory.

2. View the PDF: Open the `QuizResult.pdf` file to view your quiz score and student ID.

6. Troubleshooting

6.1 Common Issues and Solutions

- MySQL Driver Not Found: Ensure the MySQL Connector/J JAR file is correctly placed in the classpath. Verify the command syntax for including the JAR file.

- Invalid Student ID: Double-check the student ID entered. Ensure it matches the ID stored in the MySQL database.

- Java Version Issues: Verify that the correct version of JRE is installed and properly configured.

7. Support

7.1 Contact Information

If you encounter any issues or need further assistance, please contact our support team:

- Email: support@quizapp.com
