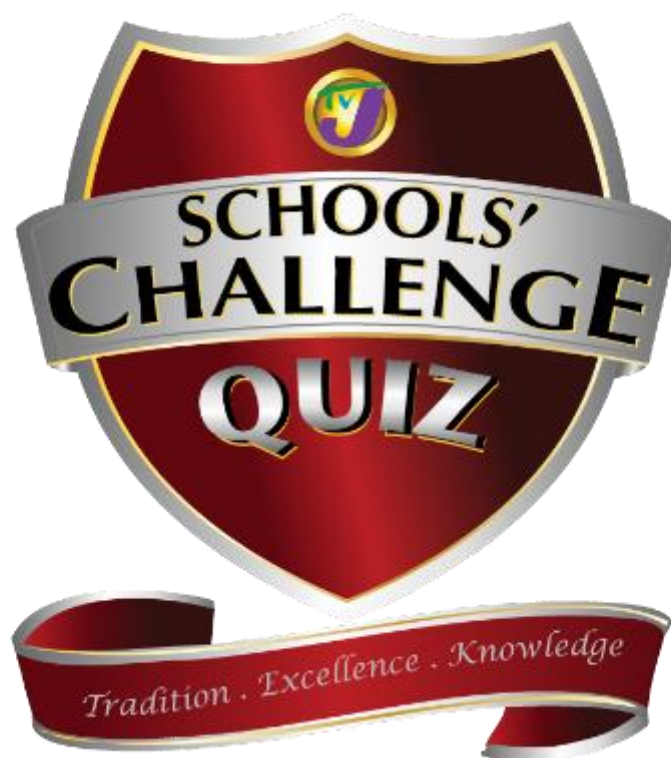# School Challenge Quiz Ranking Manual

Introduction

The School Challenge Quiz Ranking application is a simple application that is able to rank the various team schools based on the outcomes of the matches in the different rounds. With this application you are able to enter the teams that played in a particular match and it will allot the points to the different teams according to the match outcomes. At the end of the final round it will then generate a new ranking list based on the total amount of points that the teams acquired throughout the season. This manual serves as a guidance to using this application and will explain how to interact and use the different features of the application.

Software Requirements

MySQL Workbench Database Management System (DBMS)

This application was built to connect to a MySQL database. As such a MySQL DBMS must be downloaded, installed and configured for this application to connect to it. This DBMS will be used to store the database for School Challenge Quiz. MySQL Workbench is open source and can be downloaded and installed freely. A guide to installing and configuring MySQL Workbench is included in the installation package along with the installation file. Note that when the server is configured a username and password will be configured into the database. This username and password will also be needed for the application to connect to the database as it will be hardcoded into the application.

Internet Connection

This application works by connecting to a server which holds the database for the various school teams and the ranking. If the server is installed locally which means it is on the same computer, internet connection is not necessary for the application to operate. However, if the server is not installed locally and is installed on a separate computer then internet connection will be needed for the application to connect to the database.

Java Runtime Environment

This application was built using the Java programming language thus making it a Java application. In order to run this application, the Java Runtime Environment (JRE) must be installed unto the system. The installation file for the JRE is included in the software package along with a document outlining the process.

Home Screen

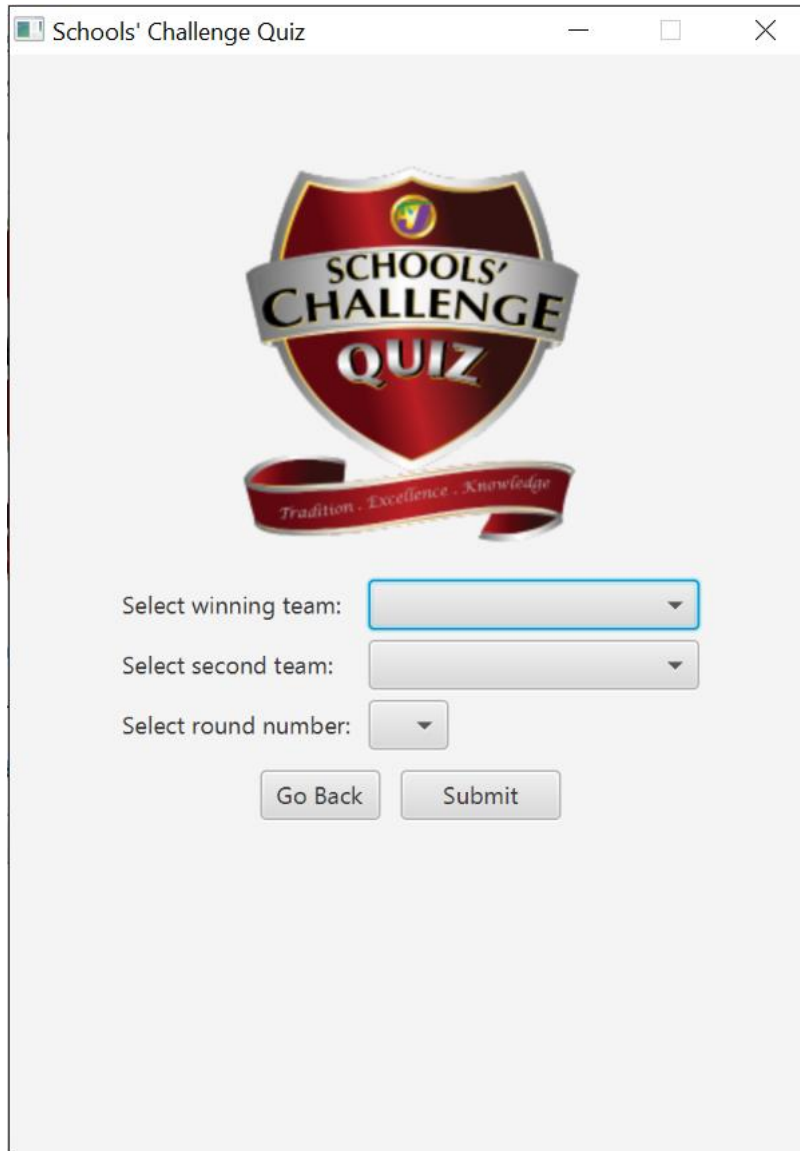Upon starting up the application you will be brought to the home screen as shown below.
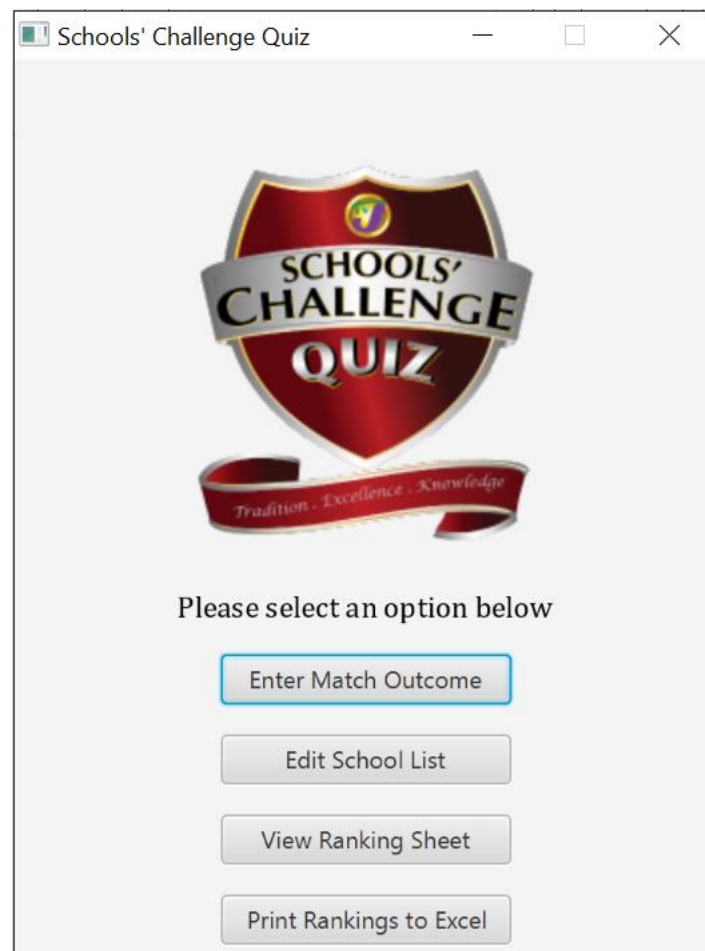
Listed are four options for performing different tasks:

- Enter Match Outcome: This option carries you to a screen where you can enter the details of a match which includes the two teams played and the round of the match.
- View Ranking Sheet: This brings you to a screen which displays a table with the current team rankings.
- Print Rankings to Excel: This option enables you to export the current ranking list to an excel spreadsheet.
- Edit School List: This option brings you to a screen that will enable you to make changings to the school list, which includes adding, deleting and editing a school.

Match Outcome

Choosing this option brings you to a screen where you can enter the details of a match as shown below.

This screen displays three choice-boxes for selecting among a set of options. The first two options are for selecting school teams while the third checkbox is for selecting the respective round the match is being played in. The steps to entering the match details are outlined below:

1. Select the name of the winning team.
2. Select the name of the second team.
3. Select the round being played.
4. Select submit to submit the results.

If the data is submitted without selecting all three options, an error will be displayed indicating that an option must be selected for all fields for submission. Once the results are submitted it will display the rankings and points of both teams as shown below.

If round seven is selected a new ranking list will be generated overwriting the previous list. Before this is done an alert will be displayed asking if you wish the save the previous ranking list.

Schools' Challenge Quiz — □ ✕

?

A new ranking sheet will now be generated. Do you wish to save previous ranking sheet?

Yes   no

Select winning team: Ardenne High   ▼

Select second team: Calabar High   ▼

Select round number: 7 ▼

Go Back   Submit

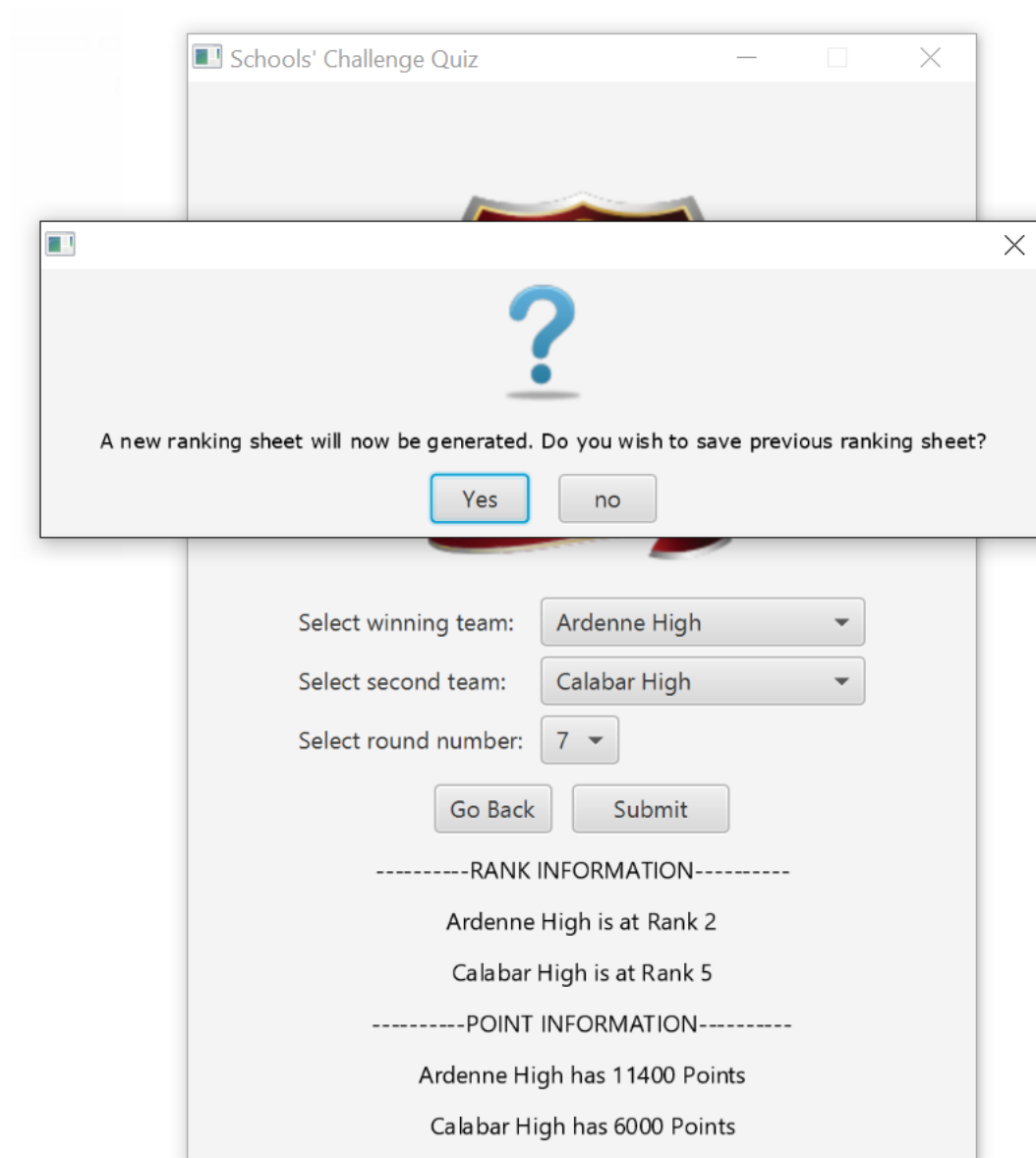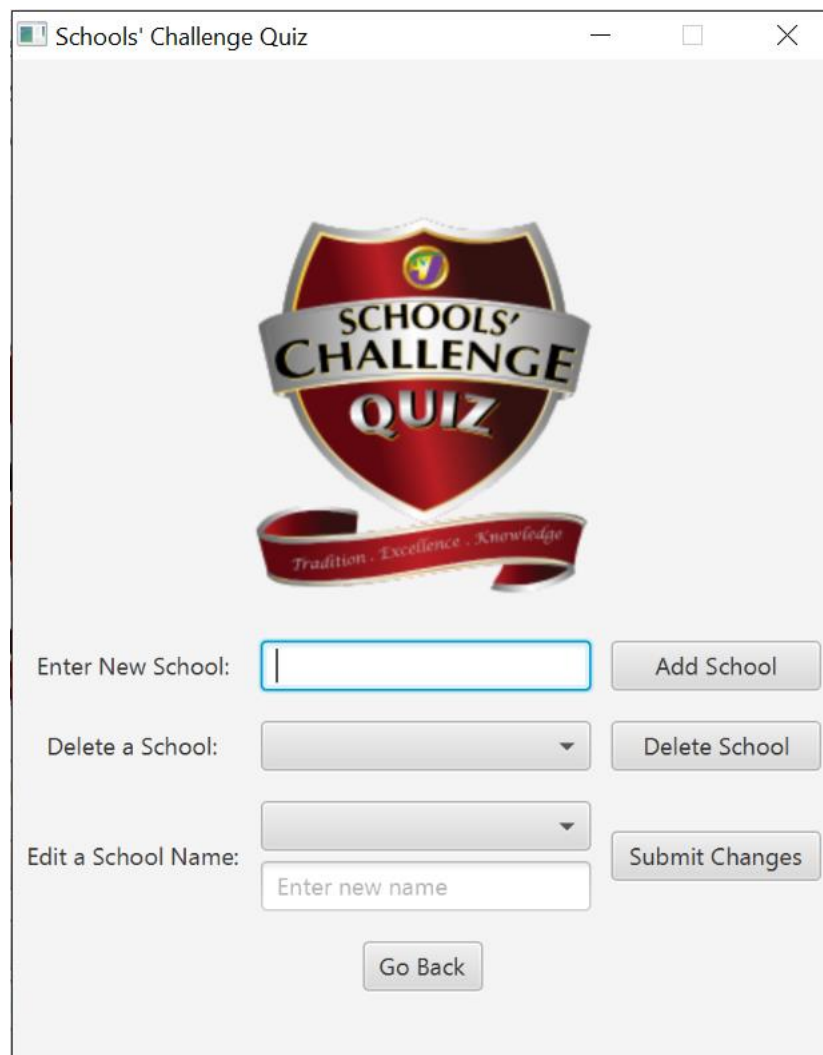----------RANK INFORMATION----------

Ardenne High is at Rank 2

Calabar High is at Rank 5

----------POINT INFORMATION----------

Ardenne High has 11400 Points

Calabar High has 6000 Points

Choosing "yes" will enable you to export the ranking list to an excel spreadsheet. Otherwise, by selecting "no" the data will not be saved.

Edit School List

This brings you to a screen which gives you options to add a new school, delete a school and edit the name of a school.

To enter a new school you simply follow the two steps below:

1. Enter a name for the school being added in the text field beside the label "Enter New School".
2. Select the "Add School" Button to submit the school.

A notification will be displayed to indicate that the school has been saved to the database. Otherwise, if there is an empty field when the button is clicked then an error message will be displayed.

Schools' Challenge Quiz

Insert Notification
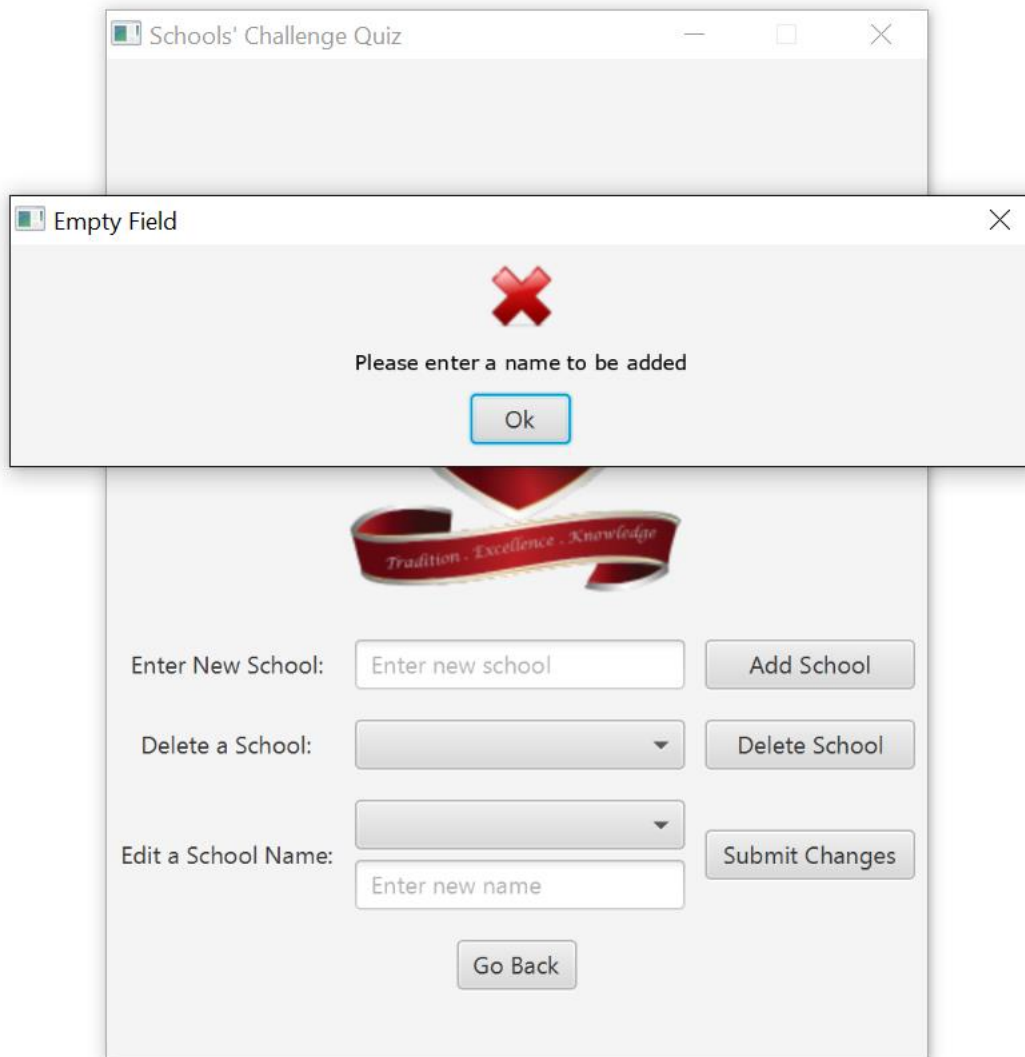
SCQ High School was inserted into the database

[Ok]

Tradition · Excellence · Knowledge

Enter New School: [SCQ High School]   [Add School]

Delete a School: [▼]   [Delete School]

Edit a School Name: [▼]
[Enter new name]   [Submit Changes]

[Go Back]

To delete a school you follow a similar procedure as indicated below:

1. Select the name of the school you wish to delete from the choice box beside the label "Delete a School".
2. Select the "Delete School" button to submit the school.

Again, a notification will be displayed indicating that the school has been removed. An error message will be displayed if there is an empty field when the button is clicked.

Schools' Challenge Quiz — □ ×

Delete Notification ×
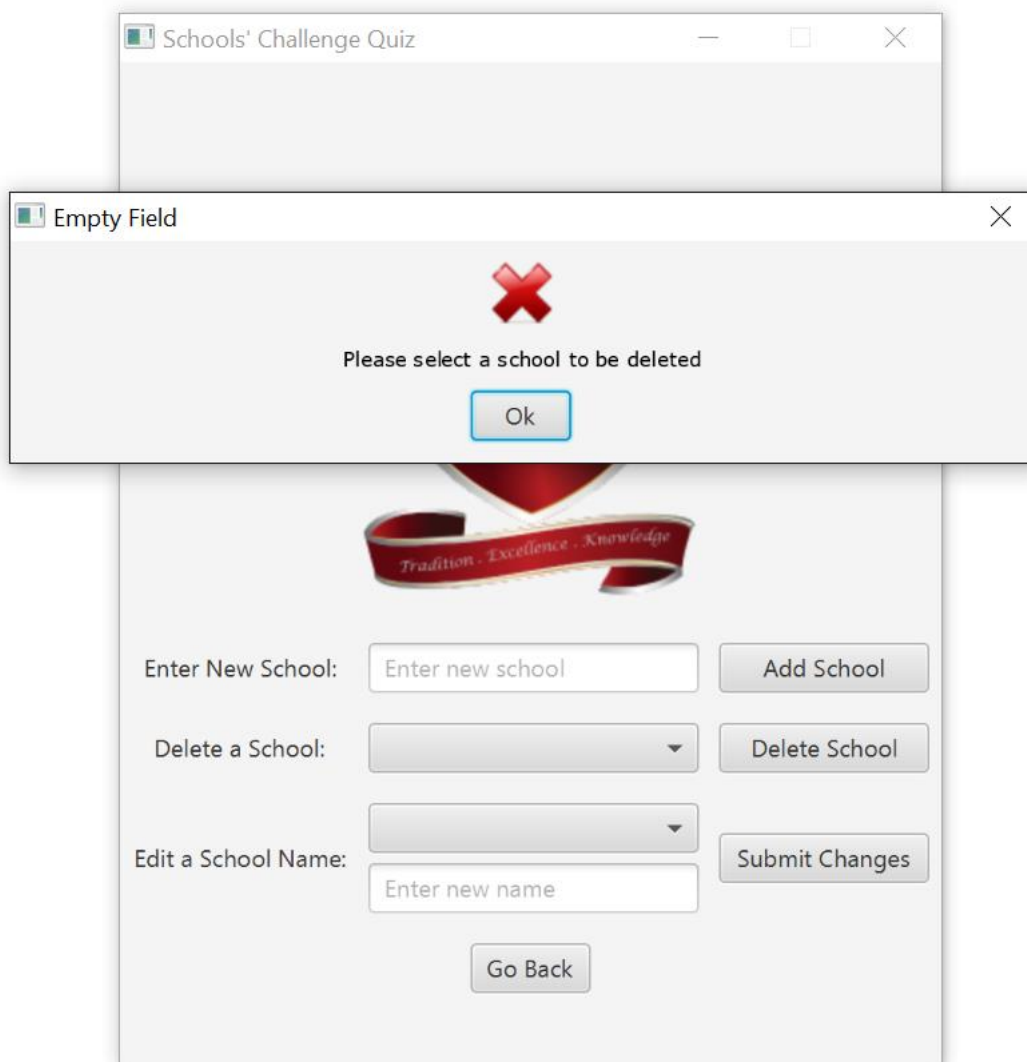
SCQ High School was deleted from database

[Ok]

Tradition · Excellence · Knowledge

Enter New School: [Enter new school]   Add School

Delete a School: [SCQ High School   ▼]   Delete School

[▼]
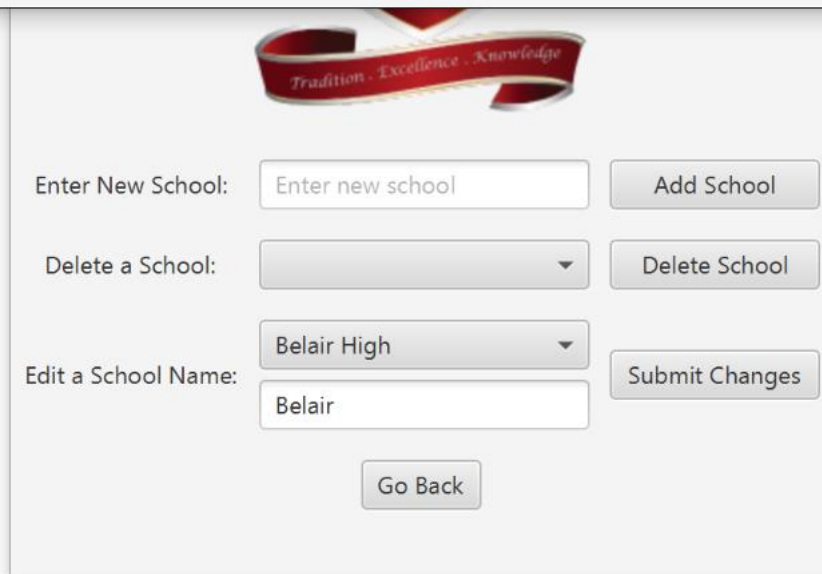
Edit a School Name: [Enter new name]   Submit Changes

[Go Back]

To edit a school name follow the steps below:

1. Select a school from the choice box beside the label "Edit a School Name".
2. Enter the name you wish to change the school to in the text field below it.
3. Select the "Submit Changes" button.

Once again a notification will be displayed to indicate that the school has been changed and what is has been changed to and as before if there is an empty field an error message will be displayed.
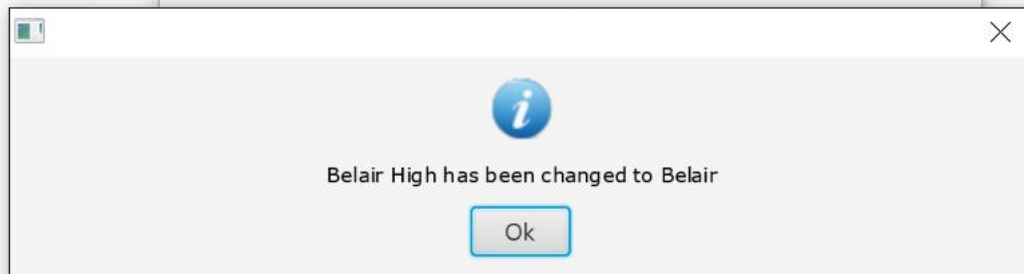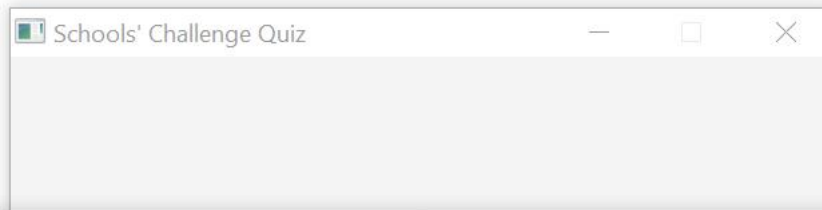
Schools' Challenge Quiz   —   □   ✕

Belair High has been changed to Belair

Ok

Tradition · Excellence · Knowledge

Enter New School: | Enter new school | Add School

Delete a School: | ▼ | Delete School

                     | Belair High   ▼ |
Edit a School Name: Submit Changes
                     | Belair |

Go Back

Schools' Challenge Quiz — ☐ ✕

Empty Field ✕

Please select a school to be changed

Ok

Tradition . Excellence . Knowledge

Enter New School: [Enter new school] Add School

Delete a School: [▼] Delete School
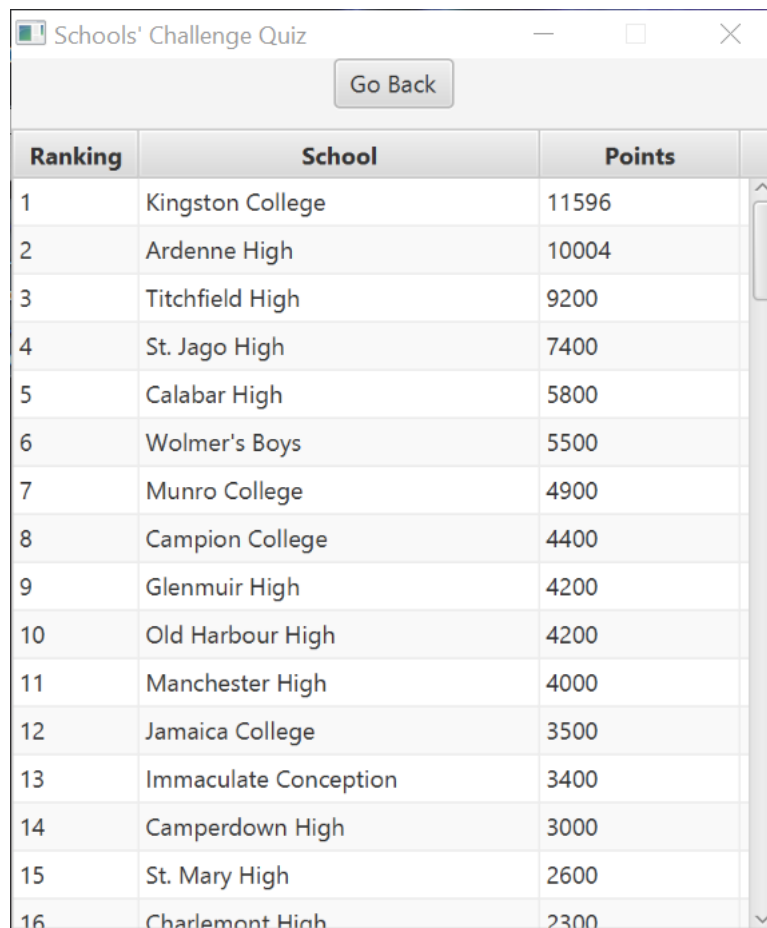
Edit a School Name: [▼]
[Enter new name] Submit Changes

Go Back

View Ranking Sheet

This option will take you to a screen which displays the rankings along with the point standing in a tabular format.

Ranking	School	Points
1	Kingston College	11596
2	Ardenne High	10004
3	Titchfield High	9200
4	St. Jago High	7400
5	Calabar High	5800
6	Wolmer's Boys	5500
7	Munro College	4900
8	Campion College	4400
9	Glenmuir High	4200
10	Old Harbour High	4200
11	Manchester High	4000
12	Jamaica College	3500
13	Immaculate Conception	3400
14	Camperdown High	3000
15	St. Mary High	2600
16	Charlemont High	2300

Print Ranking Sheet

This will display a file chooser window which will enable you to choose a location for saving the file and enter a name for the file.