Quiz Application

Dr. Quiz

Ver. 1.01

Summary

 Dr. Quiz(FQ) is a quiz creation application. the developer of Dr. Quiz is Japanese and the file name of the Japanese version is FootcelQuiz.xlsm, so the abbreviation is FQ. This application is designed so that you can answer your own quiz questions as if you were playing a game, and the design is based on the coaching of a soccer school (soccer club).

 In addition, one of the characteristic functions of this application is the function of importing external data, which is a function to import glossary data created in an external Excel file and automatically create a quiz question.

 Since this application is a VBA application that uses Microsoft Excel, it is a prerequisite that Excel is installed on your personal computer.

 Hereinafter, the term "application" will be abbreviated as "APP", and Dr. Quiz will be expressed as an abbreviation FQ.

Features

Here are some of the features of FQ.

- Game-like quiz
- External data import function

Game-like quiz

By using this application, you can challenge the created quiz question with the following screen as if you were playing a game.
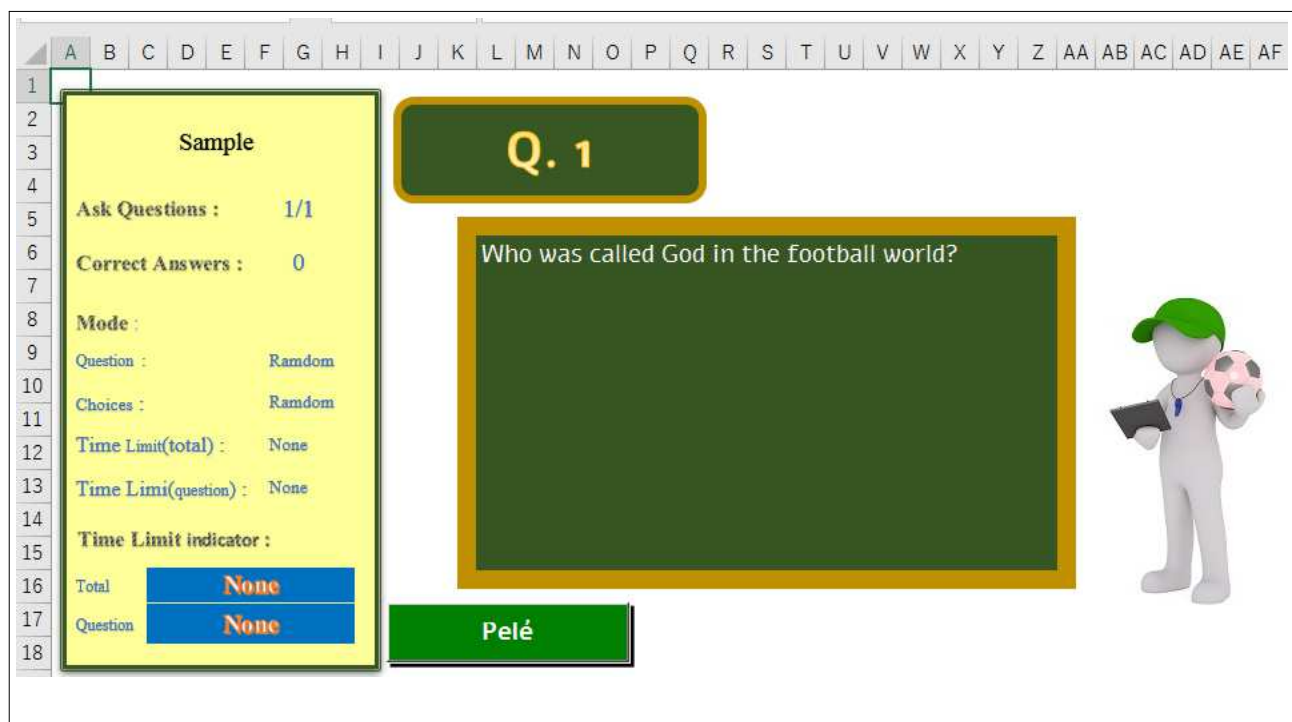

Fig. Game-like quiz

External data import function

Importing external data is a function that extracts data from Excel data other than FQ and automatically converts it into quiz question data. The data that can be imported is limited to data that describes terms and their meanings and contents, such as term data

Screen(Excel Sheet)

Here, the three main sheets that make up Dr. Quiz are as follows. A description of each sheet will be described later.

- Menu Sheet
- Quiz Sheet
- Certificate of Commendation Sheet

Menu Sheet

The FQ menu sheet is the screen that is displayed when the application is started, and the following is a schematic diagram.
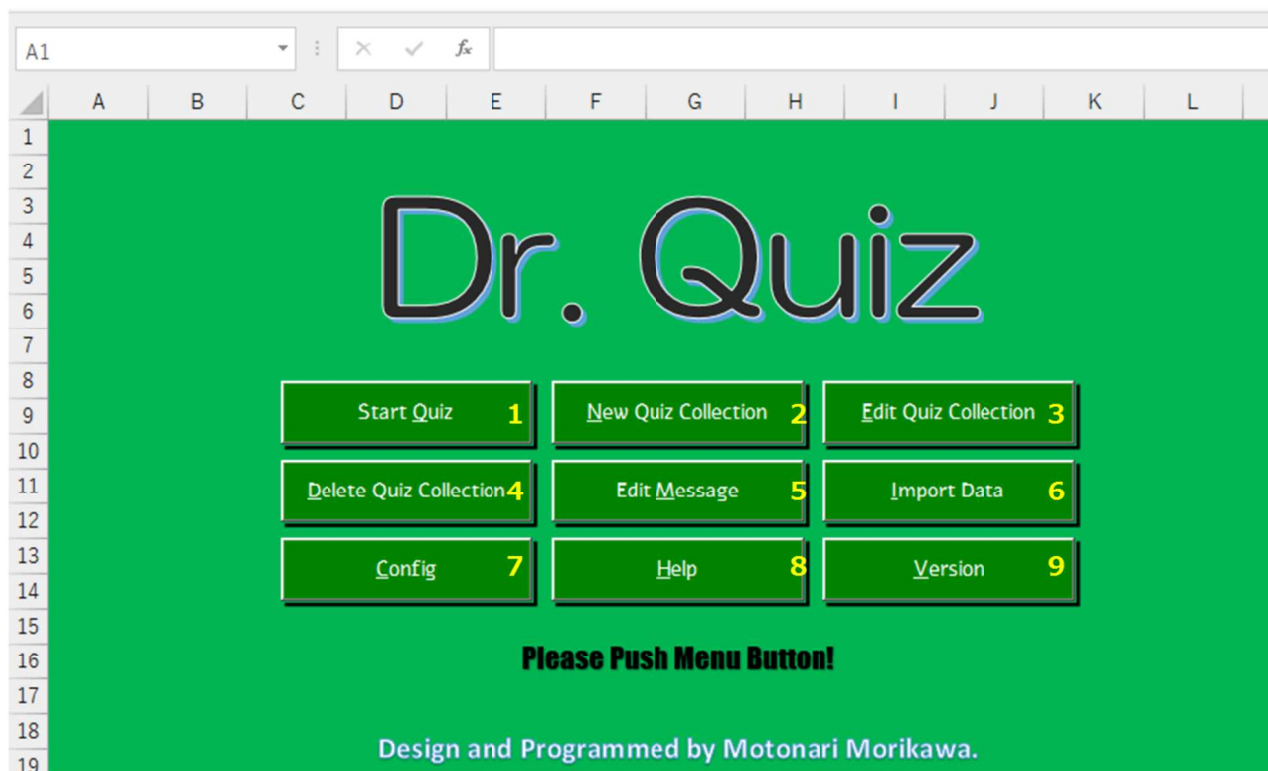

Fig. Menu Sheet

The table below summarizes the functions that can be executed from the menu screen (above diagram).

Tbl. FQ function list

Function	Explanation	Accelarator
1. Start Quiz	Start the quiz.	【Alt】 + 【Q】
2. New Quiz Collection	Create a new quiz collection.	【Alt】 + 【N】
3. Edit Quiz Collection	Edit the existing quiz collections.	【Alt】 + 【E】
4. Delete Quiz Collection	Delete the existing quiz collections.	【Alt】 + 【D】
5. Edit Message	Edit the message data of the certificate of commendation.	【Alt】 + 【M】
6. Import Data	Import the term data of external Excel data and convert the imported data into quiz data.	【Alt】 + 【I】
7. Config	Change system settings.	【Alt】 + 【C】
8. Manual	Display the manual that describes the operation method of this application FQ.	【Alt】 + 【H】
9. Version Information	Display the version information of this application.	【Alt】 + 【V】

Accelerator is a function that is equivalent to clicking a button by pressing another key at the same time as the [Alt] key.

Quiz Sheet

The FQ quiz sheet is a screen that is displayed when the quiz is conducted, and the following is a schematic diagram.

Fig. Quiz Sheet

The question text are displayed character by character, and the interval is 10 msec. Also, by inserting a command character string into the question text, it is possible to interweave special effects in the display of the question text. Special effects include playback of audio and display of images. For details on the command, refer to How to use the "Edit Question Data Form".
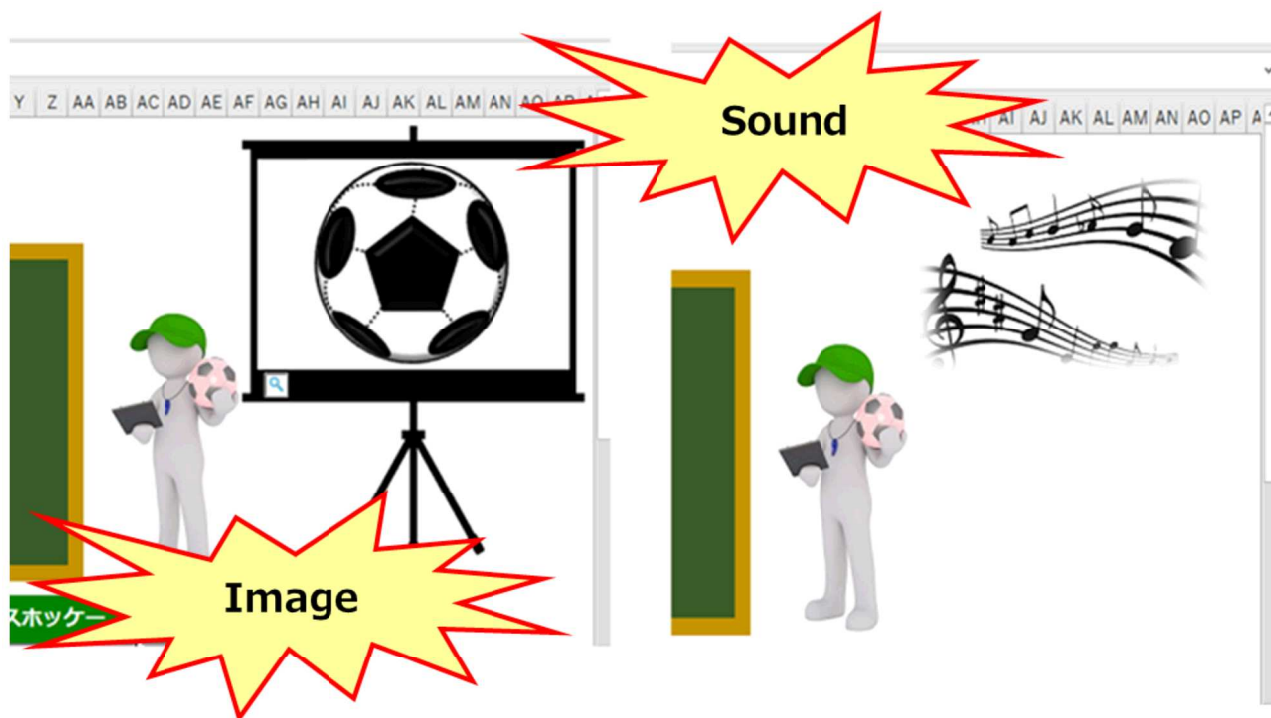

Fig. Special effects by command

The table below describes each component that makes up the quiz sheet.

Tbl. List of components of the quiz sheet

Component	Explanation
1. Quiz Collection Name	The name of the quiz question that you are currently challenging.
2. Ask Questions	A numerical value that indicates how many questions are currently being asked.
3. Correct Answers	Number of correct answers to quiz questions.
4. Random Questions	The method of ordering quiz questions. Random or normal.
5. Random Choices	The method of ordering the choices. Random or normal.
6. With Total Time Limit	Whether or not there is a total time limit for taking the quiz.
7. With Time Limit Every Question	Whether there is a time limit every question.
8. Toltal Time Limit	An indicator of how much time you are currently spending against total time limit.

9. Time Limit Every Question	An indicator that shows how much time you are currently spending against the time limit every question.
10. Ask Questions 2	An area that displays the number of quizzes currently being asked.
11. Question Text (Black Board)	Display area of the question text.
12. Coach	The facilitator of the quiz.
13. Choices(1～5)	Area for displaying answer choices. Up to 5 pieces.

Certificate of Commendation Sheet

If you answer all the questions in the quiz, you will be taken to the certificate sheet. The following is a schematic diagram of the certificate sheet.
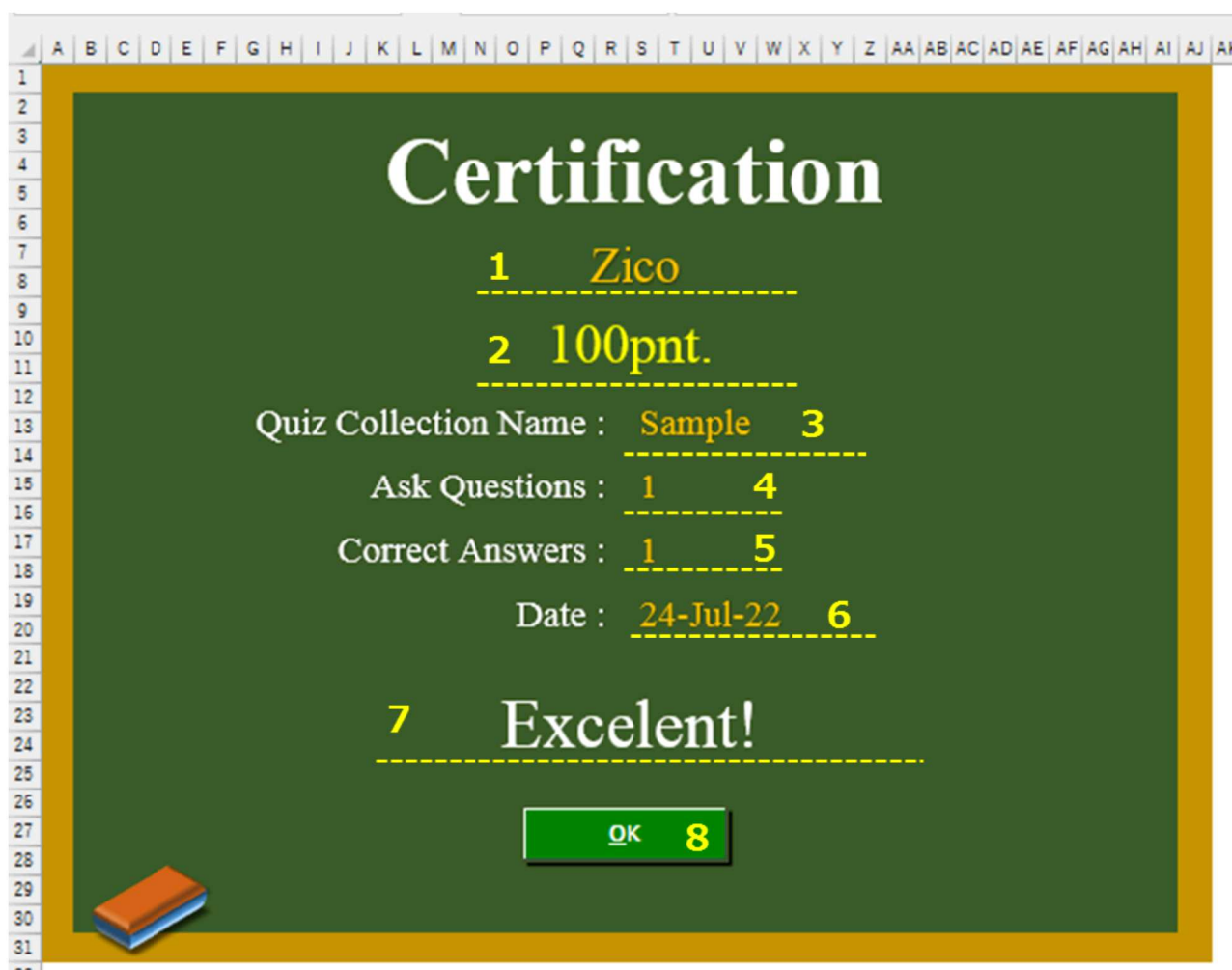

Fig. Certificate of commendation sheet

The following table summarizes the components that make up the certificate sheet.

Tbl. Certificate screen component list

Component	Explanation
1. User Name	The user name who challenged the quiz.
2. Score	Quiz score.
3. Quiz Collection Name	The name of the challenged quiz collection.
4. Ask Questions	The total number of questions in the quiz given.
5. Correct Answers	The number of correct answers.
6. Date	The date you challenged the quiz.
7. Message	A message according to the score is displayed. It is possible to change the wording with the message editing function.
8. OK button	Pressing this button clears the certificate screen and returns to the menu sheet.Key accelarator is [Alt]+[O].

Word Definition

The definitions of words used in this application FQ are described below.

Tbl. Word definition list

Word	Definition	Synonym
quiz data	Data that makes up one quiz question, such as answers, choices, and question text.	quiz record
quiz collection	A collection of data consisting of multiple (1 to n) quiz data. Data group described in the sheet name starting with "TBL_".	quiz data table
quiz collection data	Data about the quiz collection, such as the collection name and explanation of the collection.	quiz collection record
quiz collection management data	Management data consisting of multiple (1 to n) quiz collection data. [MST_QUIZ_COLLECTION] Data group described in the excel sheet.	quiz collection table, management table
message data	Data used on the commendation sheet, consisting of score, message, and note, and corresponding to a certain range of score.	message record
message management data	Management data consisting of multiple (1 to n) pieces of message data. Data group described in [MST_CERT_MESSAGE] sheet.	message table

Materials and Acknowledgments

This application uses images and music data of free materials published on the Internet. I would like to express my gratitude by linking to those sites that have a lot of useful materials and are open to the public for free.

・Images
The images (version information, etc.) used in this application are free image data published on the website GAHAG.

Site Name : GAHAG
URL : https://gahag.net/

Some of the images used in the quiz screen in this application are free image data published on the website illustAC.

Site Name : illustAC
URL : https://www.ac-illust.com/
Terms Of Service : https://www.ac-illust.com/main/terms.php

・Sounds
All sound data (except Beep sound) used in this application is free music material released by Pocket Sound. Music data is distributed together with this application, but please use the music data in compliance with the terms of use of Pocket Sound.

Site Name : Pocket Sound
URL : https://pocket-se.info/
Terms Of Service : https://pocket-se.info/rules/