

User Manual

How to use Quikscore



INTRODUCTION

Quikscore is an application used for checking and calculating points efficiently. It makes teachers grading easier and faster by comparing student answer sheets with the sample answer. This saves time and reduces the amount of work that teachers have to do. The application is most suitable for teachers who make multiple-choice tests. However, it cannot be used for writing tests or with answer sheets that do not have the small triangle mark in the corner of the paper.

SYSTEM OVERVIEW

Quikscore : application which is used for checking student answers quickly and easily. First, you import the sample answers and the student answers into the application. After that, you can set how much each question is worth by giving it a score weight. The program will compare what the students select with the sample answers. When it finishes checking, it shows each student's points in the database and also makes a CSV file. This way, teachers can see the results clearly and use the files for reports.

INSTALLATION / STEP UP

Getting started with **Quickscore** is simple and straightforward. You can easily download the latest version directly from our official [GitHub repository]. The application is fully compatible with **Linux**, **Windows**, and **macOS**, ensuring a smooth installation process across all major operating systems.

Download

- Visit our GitHub <https://github.com/itscrystalline/quikscore/releases/>
-
- Select the appropriate package for your operating system (Linux, Windows, or macOS).

Install

- On **Windows**, run the installer file and follow the setup wizard.
- On **macOS**, simply drag the application into your Applications folder.
- On **Linux**, extract the package and run the installation script provided in the documentation.

Run Quickscore

- Once installed, launch the application from your applications menu (Windows/macOS) or via the terminal (Linux).
- The program will guide you through the initial configuration to get started quickly.

Updates

- We recommend checking GitHub periodically for updates and new releases.

GETTING STARTED

After installation, Open the application in your device then the authentication page will appear (as shown in figure 1). You have to log in by getting the username and password from KOSEN-KMITL's admin.

- Enter the **username** and **password** provided by the **KOSEN-KMITL administrator**.
- Once logged in, you will be redirected to the **Main Page** (see Figure 2).

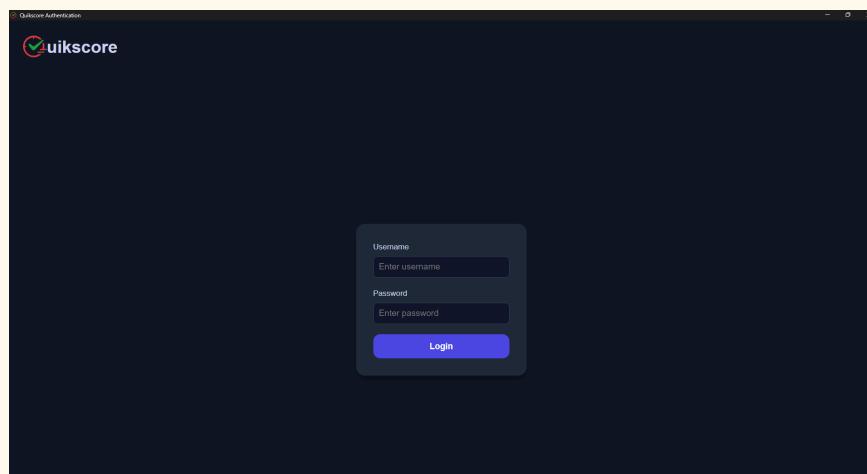


Figure 1. Login Page

On the main page, you can immediately start using the system. A typical first-time workflow is:

1. Log in with administrator-provided credentials.
2. Upload one **official answer key** with the weight of each question for the subject.
3. Upload one or more **answer sheets**.
4. Wait for the system to process the results.
5. View and save the scores generated by the system.

This simple process gets you up and running quickly, while more advanced features are explained in the next section.

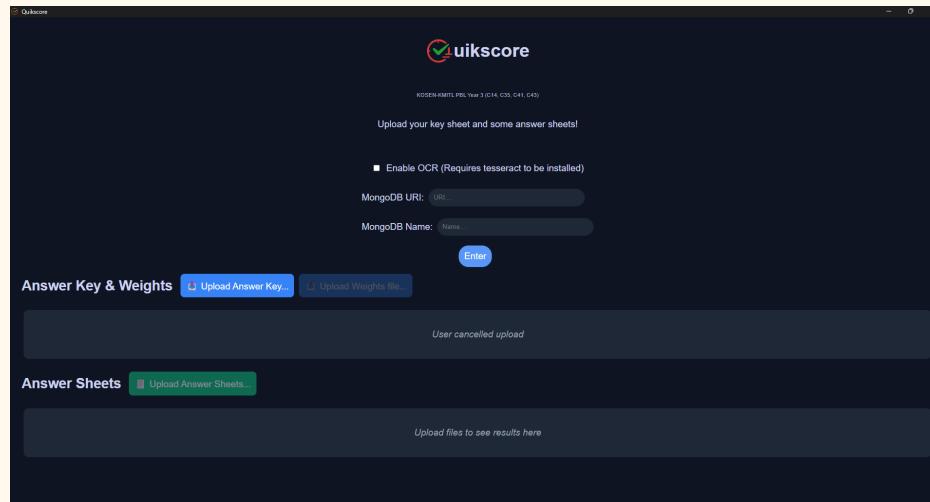


Figure 2. Main Page

FEATURES AND FUNCTIONS

The primary function Overview

The primary function of the system is to **check and grade student answer sheets** by comparing them against the official answer key. After the evaluation process, the system provides:

- A **score sheet** for each student (viewable in the application).
- An option to **export scores** as a saved file CSV.
- The ability to **store results in a database**, making it efficient to manage large amounts of data.

Using the Mongo Function

The application is integrated with **MongoDB** for secure and scalable data storage. To enable this feature:

1. Create a database on the [MongoDB Atlas website](#).
2. Obtain the **MongoDB URI** and the **database name** after setup.
3. Enter the Mongo URI and database name into the designated fields in the application.
4. Click **Enter** to confirm.

This ensures that all scanned scores are safely stored in your MongoDB database, allowing for easy retrieval and analysis later.

OCR (Optical Character Recognition)

The system also includes an **OCR function** to automatically scan and capture details such as:

- Student name
- Subject
- Class number
- Other key information displayed on the left-hand side of the paper

Users can choose which fields to extract by selecting the checkboxes provided. Please note:

- Enabling more fields will require scanning more text, which may use more CPU resources.
- On lower-performance computers, this may cause slower processing times.

Uploading and Processing Student Papers

1. **Upload the official answer key** for each subject into the **Answer Key box**. Only one answer sheet is required per subject, **along with its weight score**. You can create the weight score in CSV format by editing the provided sample [link](#). Update the subject_code for each subject, then list the questions with their corresponding weights(figure3 and figure4) (e.g., q10 below followed by 1 means Question 10 has a weight score of 1).
2. **Upload student answer sheets** by dragging and dropping multiple images into the **Student Sheet Box**. The system supports batch uploads, allowing you to process many papers at once.
3. Once the student and answer sheets are uploaded, the system will begin processing automatically.

The processing may take a short amount of time depending on the number of sheets uploaded. After completion, the system will:

- Automatically save the graded papers in the designated folder.
- Display the scores in the application's user interface for immediate review.
- Provide options for exporting or saving the results(figure 5).

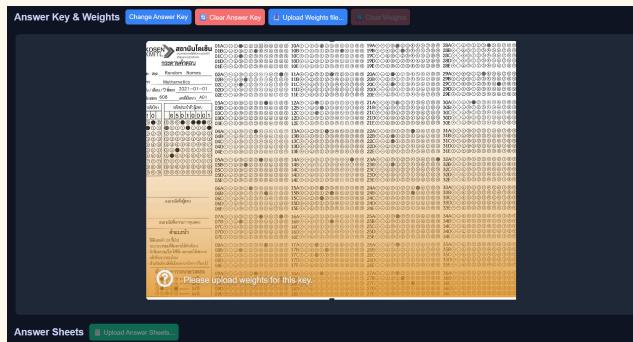


Figure3. When not having a weight score



Figure4. When have weight score



Figure5. Result Sample

TROUBLESHOOTING & FAQ

- Troubleshooting -

Problem 1: Cannot log in

- Double-check that you are using the **username and password** provided by the KOSEN-KMITL administrator.
- If you still cannot access, ask the administrator to verify or reset your credentials.

Problem 2: Application runs slowly or freezes

- The **OCR function** can be CPU-intensive when scanning many fields.
 - Solution: Select fewer OCR fields or scan in smaller batches.
- Close unnecessary applications to free up memory.

Problem 3: Error connecting to MongoDB (optional feature)

- MongoDB is **not required** for basic use. You can continue working offline without it.
- If you want to enable MongoDB:
 - Make sure the **MongoDB URI and database name** are correct.
 - Check that your MongoDB Atlas cluster is active.
 - Ensure your IP address is whitelisted in MongoDB Atlas settings.

- Frequently Asked Questions (FAQ) -

Q1: Can I use the application offline?

- Yes. The application works fully **offline**. MongoDB is optional and only needed for large-scale data storage.

Q2: Is MongoDB required?

- No. Scores are always saved locally in **CSV format**. MongoDB is only required if you want to save data in a cloud database.

Q3: How many student sheets can I upload at once?

- You can upload multiple sheets in one batch. The limit depends on your device's performance. For smoother operation, large sets may be split into smaller batches.

Q4: Why do results take time to appear?

- Processing speed depends on:
 - The **number of student sheets uploaded**
 - Whether **OCR scanning** is enabled
 - Your computer's **CPU and memory capacity**

Q5: What format are the results saved in?

- All results are saved in **CSV format**. CSV files can be opened in Microsoft Excel, Google Sheets, or any spreadsheet application for further analysis and reporting.

SUPPORT & CONTACT

If you need assistance while using the application, our support team is ready to help. Please contact the appropriate team member depending on your issue. Our team aims to respond within **1–2 business days**.

Technician Support

- [✉️](mailto:66991035@kmitl.ac.th) 66991035@kmitl.ac.th — *Thad Choyrum*
- [✉️](mailto:66991017@kmitl.ac.th) 66991017@kmitl.ac.th — *Punnawith Sutisukon*
(For installation, login problems, technical errors, or MongoDB setup)

UI/UX Support

- [✉️](mailto:66991041@kmitl.ac.th) 66991041@kmitl.ac.th — *Pannathorn Hanjirasawat*
- [✉️](mailto:66991043@kmitl.ac.th) 66991043@kmitl.ac.th — *Poomparit Promdontree*
(For user interface feedback, design issues, or usability concerns)