












School & Madrasa Management App - The Complete Guide

This document provides a comprehensive overview of the School & Madrasa Management App, including setup, features, usage instructions, technical secrets, and a full list of keyboard shortcuts.

1. Overview

This is a powerful, offline-first, single-page application (SPA) designed to manage all aspects of a school or madrasa. Built with vanilla JavaScript, it runs entirely in your web browser and stores all data locally using IndexedDB. This means it's fast, secure, and works even without an internet connection.

Core Features

-  **Dashboard:** An at-a-glance view of key school metrics.
-  **Student Management:** Detailed student profiles, admissions, and advanced filtering.
-  **Teacher & Staff Management:** Profiles, subjects, and responsibilities.
-  **Academic Management:** Manage classes, sections, and subjects.
-  **Financial Management:** Robust modules for fee collection and salary payments.
-  **Attendance & Exams:** Mark daily attendance and manage exam marks.
-  **ID Card & Certificate Generator:** Create and print professional ID cards and certificates.
-  **Dynamic Reporting:** Generate, filter, and export detailed reports.
-  **Backup & Restore:** Secure your data with manual and automatic backups.
-  **Multi-language Support:** Switch between English and Urdu.
-  **Full Keyboard Support:** Navigate and operate the entire app using shortcuts.

2. Getting Started

1. **Open the File:** Simply open the indexnewone.html file in a modern web browser like Chrome, Firefox, or Edge.

2. **Activate the Software:** On first launch, you will be prompted for a license key. This is a one-time setup.

★ **Secret: Activation Keys**

- Ask developer

3. How to Use Each Module

Dashboard (Alt+D)

This is your main landing page. The cards are interactive:

- **Total Students/Teachers:** Click to see a popup list of all active students or teachers.
- **Today's Attendance:** Click to see a detailed list of every student's attendance status for the day.
- **Fee Cards:** Click to view detailed reports on fee collection and outstanding payments.

Students (Alt+S)

- **Student List:** View all active students.
 - ★ **Tip:** This table is dynamic! Use the **search bar** for quick lookups or click the "**Student Filters**" header to reveal advanced filtering options by class, section, gender, and more.
 - Click the column headers (like "Name") to sort the table.
- **Add New Student:** Fill out the form to add a new student. The monthly fee is automatically populated based on the class and fee category selected in the **Fee Structure** module.

Teachers (Alt+T) & Staff

Similar to the Students module, you can view, add, edit, and filter your teacher and staff records.

- ★ **Tip:** When adding a teacher, you can assign them multiple subjects and classes at once.

Fees (Alt+F)

This is a critical financial module.


1. **Search Student:** In the "Collect Fee" tab, start typing a student's name or roll number. Select them from the dropdown.
2. **Review Details:** The student's details, monthly fee, and total due amount will be loaded automatically.
3. **Collect Payment:**
 - Select the correct Month and Year for the payment.
 - The Remaining Balance for Month and Amount Paying Now fields will auto-fill. You can adjust the amount for partial payments.
 - The Fine will auto-calculate if the payment date is past the due date set in Settings.
4. **Print Receipt:** After collecting the fee, you can immediately print or save a PNG receipt for that specific transaction.

Salaries (Alt+P)

Works similarly to the Fees module.

1. **Search Employee:** Select Teacher or Staff, then search by name or ID.
2. **Review Details:** Their salary structure and remaining balance for the selected month are loaded.
3. **Make Payment:** Enter the amount being paid now, any bonus, or deductions.
4. **Print Salary Slip:** Generate a detailed salary slip for the transaction.

ID Cards & Certificates (Alt+I)

- **ID Card Generator:**
 - Select the member type (Students/Teachers) and filter by class/section.
 - Click "Generate Cards".
 -  **Secret Tip:** If a photo is missing, a QR code with the student's info is shown. You can **click directly on the photo/QR code area** on the card to open a file dialog and upload a photo. The card updates instantly and the photo is saved to the database.
- **Certificate Generator:** Select a student and certificate type to instantly generate a professional, printable certificate.

Reports (Alt+R)

This powerful module lets you generate custom reports.

1. Select a report type from the dropdown.
2. Additional filter fields (like date ranges or classes) will appear.
3. Click "Generate Report" to see the data in both a table and a chart.
4. ★ **Tip:** All report tables have dynamic controls. You can search, sort, and export the generated data to PDF.

Backup & Restore (Alt+B)

This is the most important feature for data safety.

- **Manual Backup:** It is **highly recommended** to create a "Full Backup" regularly and save the downloaded .json file to a safe place (like a USB drive or cloud storage).
- **Restore Data:** If you switch computers or your browser data is cleared, you can use the "Restore Data" feature to load your saved backup file and restore the entire application state.


Settings (Alt+O)

- **General/Academic:** Set your school's name, session dates, fee due dates, etc. These values are used throughout the app (e.g., on certificates and for fee calculations).
- **Theme:** Customize the app's look and feel.
- **System:** Change the application language between English and Urdu.

4. Keyboard Shortcuts

Shortcut	Action	Scope
Alt + D	Go to Dashboard	Global
Alt + S	Go to Students	Global
Alt + T	Go to Teachers	Global
Alt + F	Go to Fees	Global
Alt + E	Go to Exams	Global
Alt + C	Go to Classes	Global
Alt + P	Go to Salaries (Pay)	Global
Alt + L	Go to Library	Global
Alt + I	Go to ID Cards	Global
Alt + R	Go to Reports	Global
Alt + O	Go to Settings	Global
Alt + B	Go to Backup	Global
Alt + 1	Switch to the 1st tab in the current view	Contextual
Alt + 2	Switch to the 2nd tab in the current view	Contextual
Alt + 3	Switch to the 3rd tab in the current view	Contextual
Ctrl + S	Save the currently active form	Contextual
Escape	Close any open modal window (like popups)	Global
Escape	Unfocus from an input/textarea field	Contextual

5. Advanced Tips & Technical Secrets

- **Dynamic Tables:** Almost every table in the application is enhanced. You can perform a live search, sort by any column by clicking its header, and even apply advanced multi-select filters by clicking the list icon () next to the column name.
 - **Offline First:** The app is designed to work completely offline. All data is stored in your browser's IndexedDB. Be aware that clearing your browser's "Site Data" will erase all application data. **Always use the backup feature!**
 - **PDF Font:** The PDF export feature includes a custom font (Amiri) to properly render Urdu characters. If the font fails to load due to network issues, the PDF will fall back to a standard font, and Urdu text may not display correctly.
 - **Data Integrity:** The app has some built-in checks. For example, you cannot delete a Class if students are still assigned to it. You must move or delete the students first.
 - **Troubleshooting:** If the app behaves unexpectedly, try a "hard refresh" (Ctrl + F5 or Cmd + Shift + R) to force the browser to reload all assets. If data seems missing, use the **Restore** feature with your latest backup file.
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