

mySchool

Web- Based Education Management Solution



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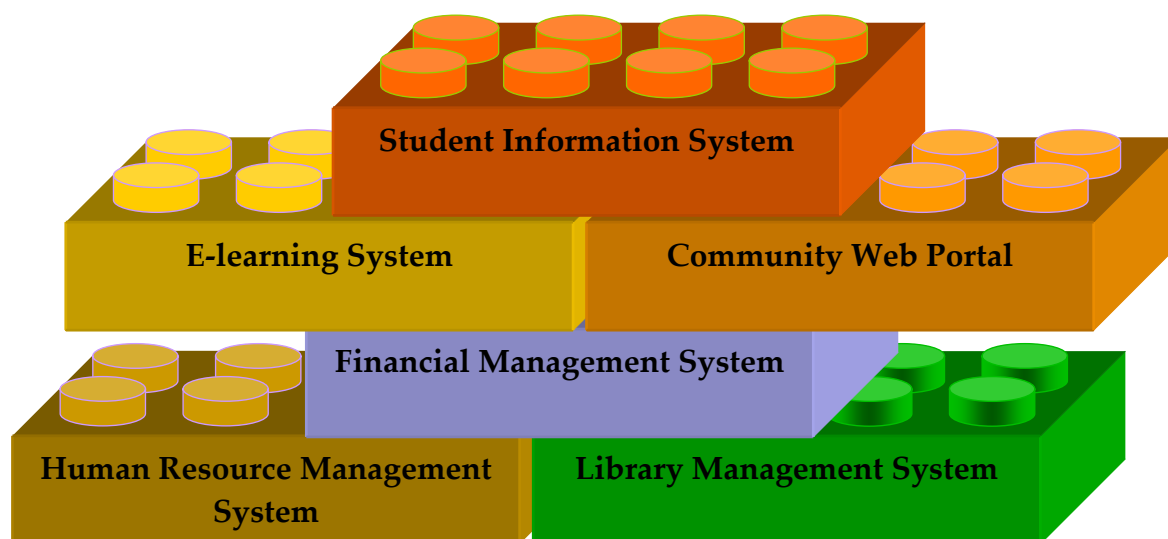
mySchool™ is a highly-interactive web-based School Management System that provides a complete market leading solution for your school's administration. We recognize that Parents, Teachers and Administrators, not Technology, shape and touch the minds of our children. mySchool™ is evidence of that understanding and commitment. It combines the evolution of software and the internet for the purpose of improving education by fostering an environment for communication, Manage, Control and Monitoring. mySchool™ is the ultimate tool for data, analysis and reporting, along with the means to communicate and collaborate with all stakeholders, immediately and effectively.

Unique Features of mySchool

- 1) Purposefully designed to meet the varying needs of modern day schools (easily set and control: types of services, report configuration, access privileges, language preferences and more)
- 2) Simple to learn and maintain (no special codes to learn)
- 3) Immediate solution to leverage a school's investment in technology (runs on various software/hardware platforms, fits thin client model, easy to use)

"mySchool" Modules

The System is comprised of Six Modules: -



Features

1) Student Information System: Is an administrative application that can be used daily at the school/college by teachers, secretaries and administrators to manage student records, handle enrollment, class schedules and reporting.

The Student Information System provides total control of all student records and data. It allows complete visibility to all details concerning a student throughout their school life such as: -

- A complete grade book with report card generation
 - Automatically generates your schedule in a flash, while defining your constraints.
 - Marks for each subject.
 - A record of disciplinary action/incidents.
 - Attendance.
 - History of medical checks.
 - Emergency contact numbers
- and more.

Parents are able to access their children's' details through the system to view:

- Child's progress overall and rank in class
- Child's homework and assignments
- Child's attendance record
- Child's disciplinary or reward actions

School Administrators have complete control over their school and are able to access student data readily.

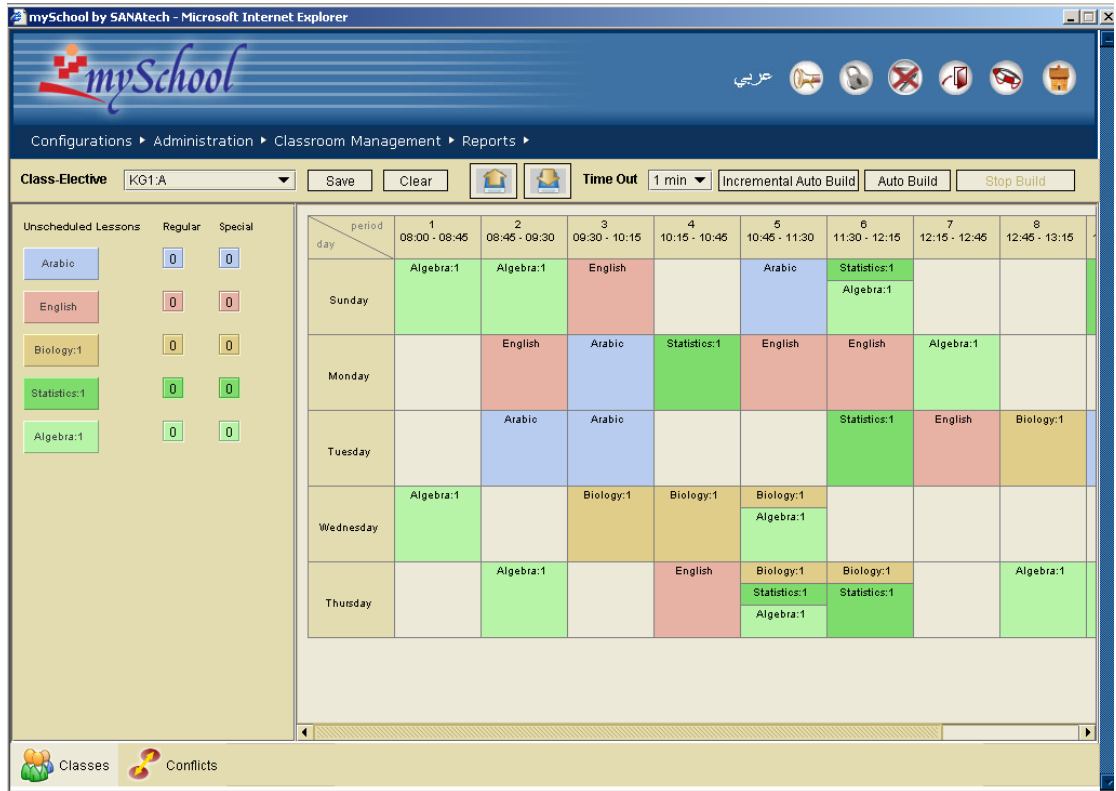
The screenshot displays the 'mySchool by SANAtch' web application interface. The main menu includes 'Configurations', 'Administration', 'Classroom Management', and 'Reports'. The 'Administration' menu is expanded, showing options like 'Student Records', 'Class Schedules', 'Bus Schedules', 'Medical Examination', and 'Student Promotion'. The 'Edit Student' form is open, showing the following details for a student named Sameh Salah:

Student Personal Information	
*First name	Sameh
*Surname	Salah
*Full name	Sameh Salah
*Birth date	1992-07-14 [Date]
Place of birth	Cairo
Gender	Male
Nationality	Egyptian
Blood Type	A
Religion	Muslim
Home address	Abbas El Akhad
City	[Select]
Suburb	Helipolis
State district	[Select]
Postal code	3432
Telephone	4034407
Age in 01 October 2004	12 Years 2 Months 17 Days
Birth certificate number	[]
Date of issue	[Date]

Below the form, there is a section for 'Brothers/Sisters in the school' with a table for 'Brothers Sisters names' and 'Add'/'Delete' buttons.

By granting parents access to relevant student data online, administrators are relieved from the many phone calls and enquiries that arise.

Furthermore, using advanced *genetic* algorithms, mySchool can generate a high precision schedule whilst resolving most conflicts automatically thus releasing a lot of the student administrators' time which is consumed by this process manually today.



"mySchool" is a single-entry source for teachers to take attendance, record grades, generate report cards, schedule assignments.

"mySchool" makes being a teacher much easier. A lot of the rudimentary day-to-day tasks are attended to by the system, which allows teachers to focus on the educational aspect.

Recording grades is a simple task in mySchool and is supported by a number of reports which most teachers have to generate manually today. The same applies to calling attendance and following up on students' progress overall (not just in a single subject).

2) E- Learning System: mySchool allows teachers to make use of rich multi-media content in the educational process by publishing it to students in their organizer. Teachers can also publish homework to be attempted offline and also develop online quizzes (multiple-choice and True or False).

Improving the educational process through online digital content is a key goal for mySchool. The Learning Management tool within the application provides teachers the simplicity and flexibility to publish and control digital content which is displayed to students (either in the school or from home). Teachers can set when it is published, how and can also provide reference to other sources of material all in one place.

The Learning Management tool can also support publishing quizzes and homework or assignments. Teachers can generate quizzes which can be attempted online with the results being displayed immediately. These quizzes are built using the "Question Bank", a central repository of questions which accumulate over time allowing teachers to search for and re-use past questions easily.



3) Financial Management System: mySchool includes a complete financial module which enables the school to manage its entire finances which may include fees (e.g. tuition fees, book fees, etc), supplier charges, inventory management and all linked with the General Ledger. Your ledger will enable you to check status at any point in time. The financial module is comprised of two main components:

A) Student accounting module

- Create and maintain billing tables per school year
- Specify the number of installments and their due date
- Notify delinquent students of overdue fees
- Research unpaid student accounts
- Manage bus fees where applicable

B) School Accounting module

- Fixed Asset accounting
 - Inventory management
 - Inventory movements
 - Tracking consumption
 - Item Groupings
 - General ledger (Analysis, review, and adjustment of school's General Ledger.)
 - Management of any other school expenses (Library Bills, Purchase Orders, Telephone Bills, Utility Bills.....Etc).
- Suppliers Accounting
 - Suppliers Payment
 - Suppliers Accounts
 - Suppliers Invoices

The screenshot shows the mySchool web application interface. At the top, there is a navigation menu with options: School Accounting, Student Accounting, Add Installments, Modify/Delete Installments, View Student Payments, and General Accounts. The 'Student Accounting' tab is active. Below the navigation, there is a search bar with the text 'Search result for student payments'. A table displays the search results, categorized into 'Educational Installments' and 'Bus Installments'. The table has columns for Action, The Remainder, Installment, Value, Due Date, Payment Date, and Amount. Two rows are visible under 'Educational Installments': one for 'First Ed Installement' with a value of 7860.0 and a due date of 2004-08-15, and another for 'Second Ed. Installment' with a value of 5670.0 and a due date of 2004-10-09. Below the table, there are two buttons: 'Pay selected Installment(s)' and 'print receipt'. On the left side of the interface, there is a list of student names under the heading 'Number of Records:27'. The names listed include Ahmed Said Muhammad Rashed, Amin Samy Amin, Amr Zaid Ali, Antar Tamer Wael Hany Haytham, Ayman Ali Ramy, Fareed Fathy Bassam Shabana, Fatma Omara, Gamal Muhammad Elrabbat, Habeba Ibraheem Hamdy Muhamma, Hassan Ali Hassan, Haytham Muahmmad Fo'ad Rasheec, May Medhat, Mohammad Zaki Ahmed Wahba, Moheeb Muhammad Gamal, Mona Noor Eldeen, Mostafa Hamdy Abd El Lateef, Nahla Hossam Galal, Noha Shokry Sameh, Nora Ali Mahamed, Omar Mostafa Yousef Ali Mostafa El, Reham Mohamed Reda, Sahar Zakaria Abdeen Meaawad, Said Abdel Hafiz, and Fathy Reda.

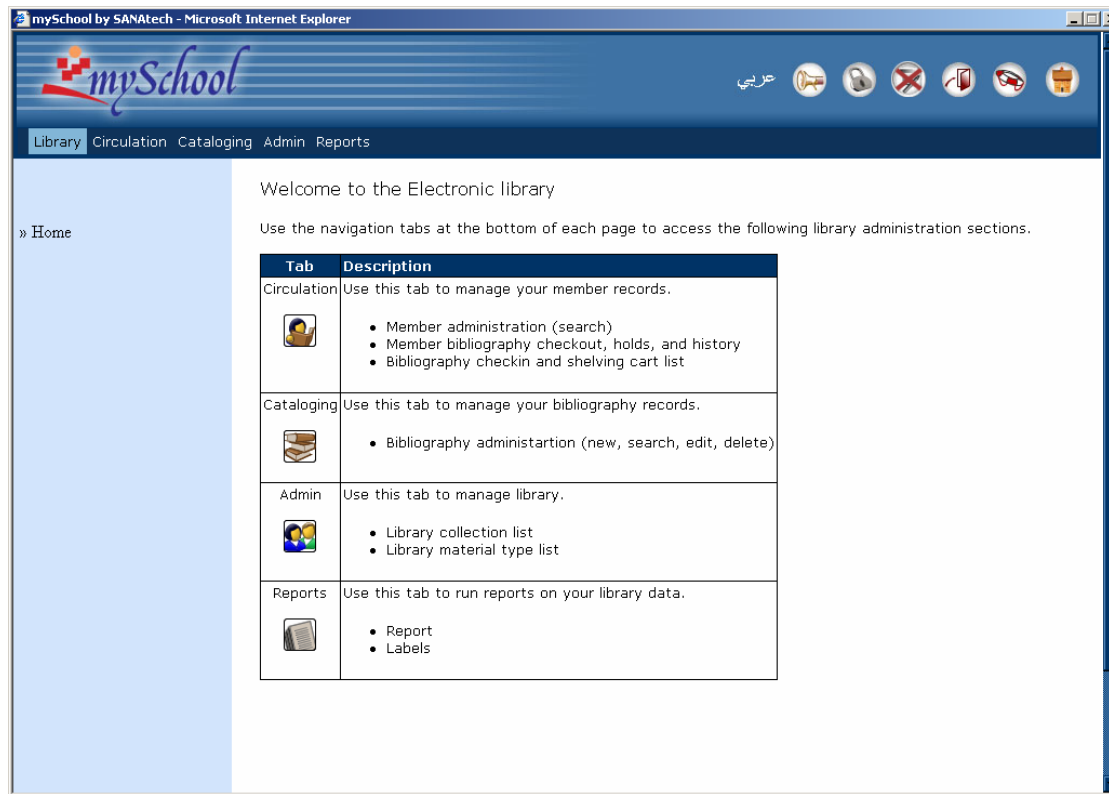
4) Human Resources System:

- Mange payroll for different worker categories.
- Capabilities to define various allowance classes including monthly entered allowances, fixed amounts and any user definable allowance calculations
- Capability to calculate Individual Income Tax
- Capability to design and generate payroll reports, salary slips and forms.
- Capabilities to calculate overtime and shift allowances

All financial data is reflected in the general ledger appropriately allowing school accountants full visibility to the school finances through appropriate reporting.

5) Library Management System: mySchool includes a library management module which enables the school to manage all library related activities. From circulation to cataloguing to reporting, the application will allow librarians to easily administer their day-to-day operations.

The Library Management Tool is designed specifically for usage within schools. It provides the library catalogue front end/OPAC (Online Public Access Catalog) for users who wish to access the catalog. The Library System can fit as part of an intranet accessible only from within the school or as part of an extranet, thereby allowing search capabilities to those outside the school.



The main features of the library system are:

- Provides access for students as well as teachers to relevant information and teaching material. mySchool's Library management system introduces a new feature for added "child safe" internet surfing, called "URL" cataloguing. Teachers are able to add website URL(s) as part of the catalogue information thus displaying them as part of a search results. This reduces the need for students to search on the web which may result in them visiting unwarranted sites.
- Caters for core functions such as acquisitions, circulation, cataloguing, serials, and Online Public Access Catalogue.
- Manages all library functions such as organizing borrowing and lending materials, reports on collection use, overdue, etc.
- Hold Requests Containing Member Contact Info.
- Most Popular Bibliographies.
- Bibliography Checkout Listing.
- Over due member list and other statistical reporting.

6) Community Web Portal: "mySchool" provides the ultimate set of collaboration tools to the school through the web-portal module. These tools enable students to communicate and interact with teachers and other students online through chat, Discussion forums, Topic areas, FAQs and more. Web mail and instant messaging are managed through the portal as well if the school chooses to enable them.

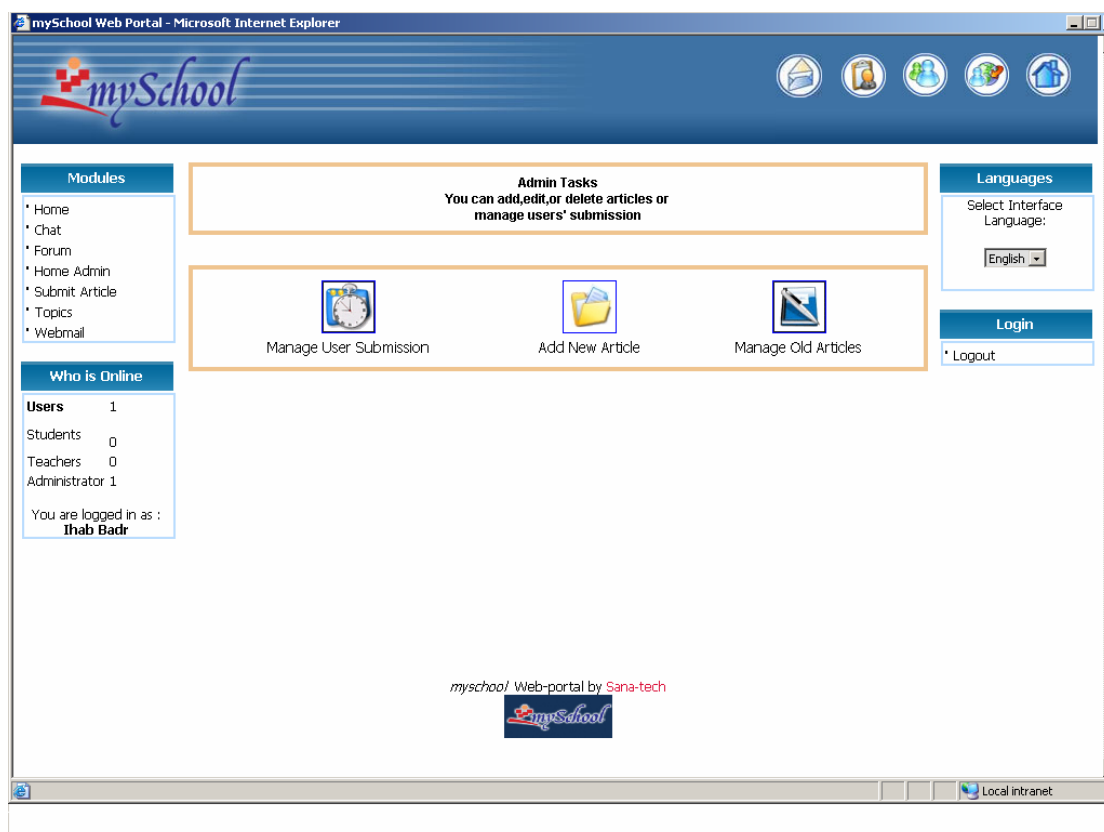
The Community Web Portal focuses on three main areas, namely;

Collaboration – it enables students to communicate and interact with teachers and other students online through (Discussion forums, Internal messaging, Chat, etc.)

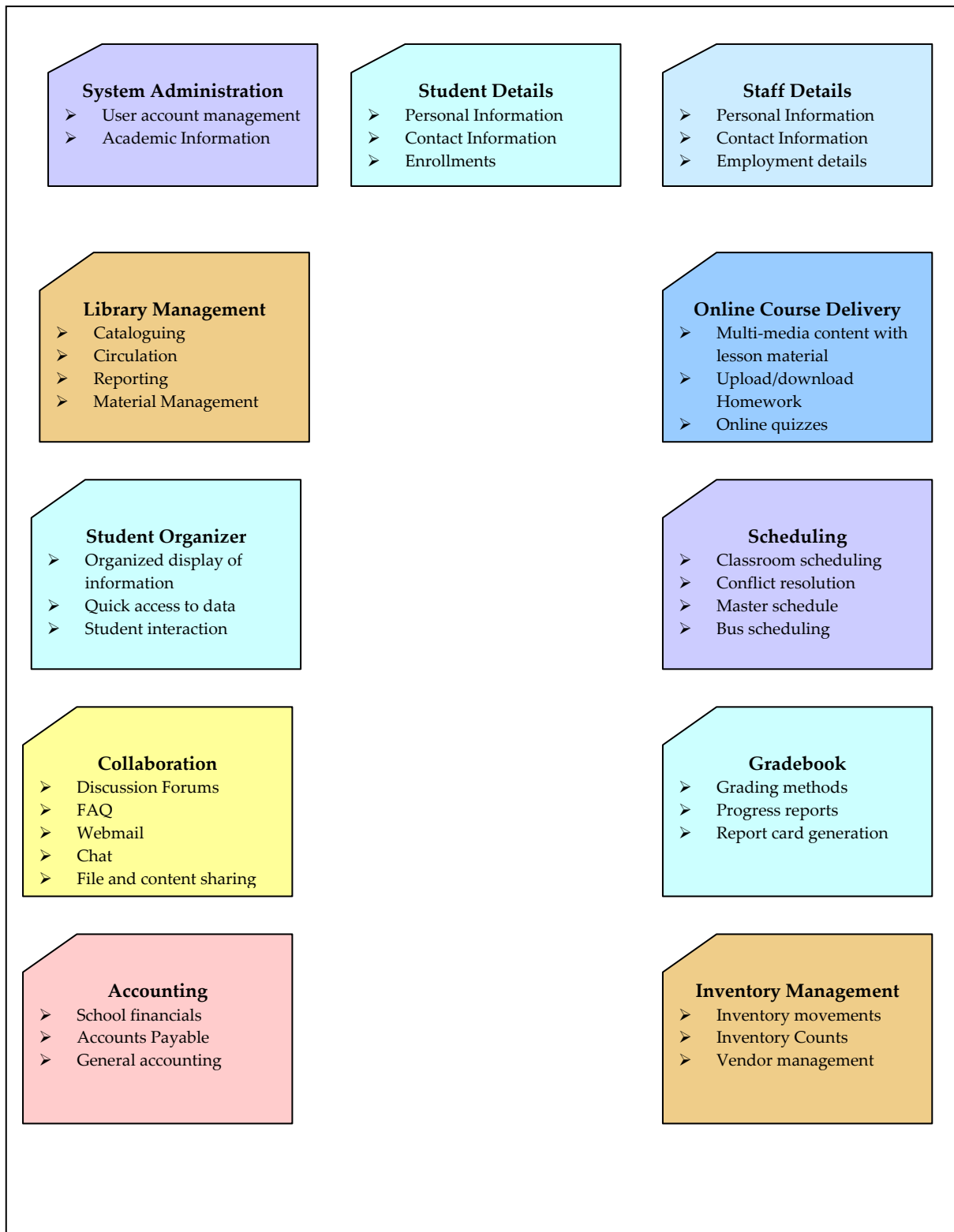
Interaction – students, teachers and administrators can exchange information concerning topic groups which are defined by the school administration.

Sharing – the portal acts a hub for the school community to share information, documents, websites and even applications.

mySchool's Web Portal provides a very powerful search engine which enables users to easily locate the content sought on the portal. It thus combines the functionality of a portal and a content management system into a single application.



Below is a diagram which outlines the core components of the system.



Other features of mySchool include

1) Friendly Administration:

- mySchool™ is a user-friendly system, which is easy to comprehend. School administration staff which may not necessarily be highly computer-literate can be up and running in minimal time. The application is also designed in such a way that it requires minimal administration.

2) Data Compatibility:

- mySchool™ is compatible with major ANSI compliant databases such as MS SQLServer, Oracle or MySQL.

3) Browser Access:

- mySchool™ is entirely browser based. This is highly advantageous for the school as it eliminates the need to install any client side software on the school's PCs or any other PC. All workstations on the internal school network, can access the mySchool™ application through the browser.

4) Bi-lingual:

- mySchool™ is a bi-lingual system which can support both English and Arabic.

mySchool™ System Requirements:-

⇒ Server

- WebServer Microsoft IIS, Apache.
- Any ANSI compliant database Oracle, MS SQL Server, MySQL.
- Certified on MS Windows 2K Server, XP, Linux and MAC OS X

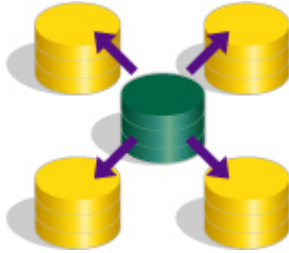
⇒ Client

- Any client with an HTML 4.0 compliant browser

Deployment

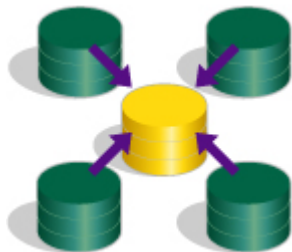
Being a web-based application, mySchool™ can be deployed in two fashions:

- 1) *In-house hosting*. In this scenario each school would install the application on an internal server within the school. Workstations on the school network would access the application through a browser. In case the server was connected to the internet, and the school granted access to the application, students, parents and teacher would be able to access the application from home through the internet.



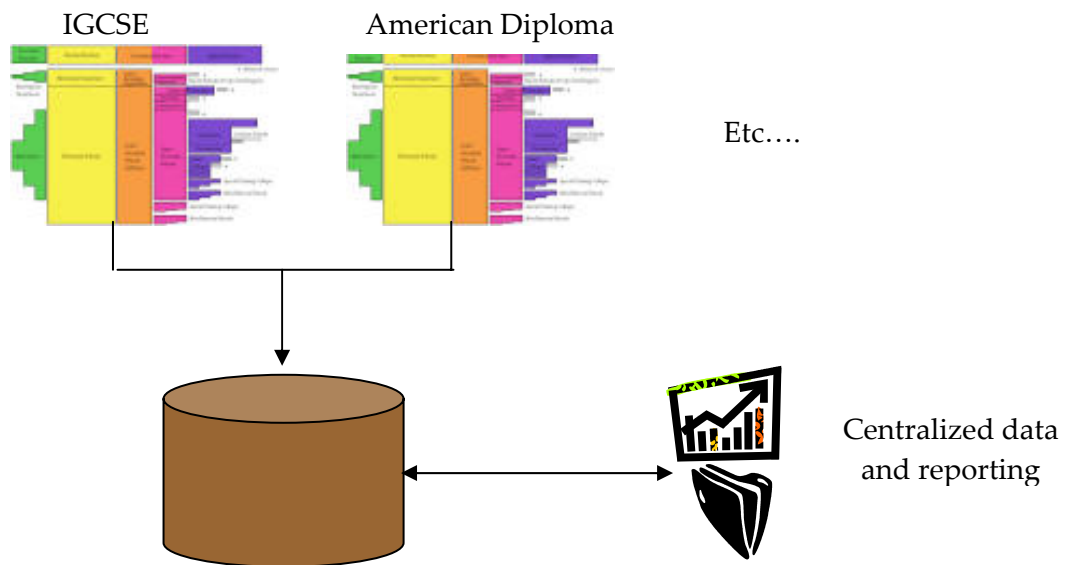
De-centralized model (in-house hosting)

- 2) *Centralized model*. In this scenario, the application is hosted at a central location and is accessed remotely from the school via the internet. In this case, all schools would need to have internet access on their network to enable users to connect to the server.



Centralized model

- 3) mySchool also supports multi-site schools and multiple educational systems (e.g. IGCSE, American Diploma, Lincee Francais, etc) which makes it the ultimate tool for use in mixed teaching environments.
- a. Multi-educational system: A single installation of mySchool can support multiple educational systems easily. The data for each educational system is maintained separated seamlessly to the end-user. At the same time though, centralized reporting can be generated across the entire school for administrators, directors and other key decision makers.



- b. Multi-site: A single installation of mySchool can support multiple sites for the same school easily. The data for each site is maintained separated seamlessly to the end-user. At the same time though, centralized reporting can be generated across the entire school for administrators, directors and other key decision makers.