Requirement Speciation

Version 1.0

Analyzed and designed by Vishnu Awasthi

Menu items

1. Home
2. About
3. Contact us
4. Policies
5. Staff Profile
6. New letters
7. School Council
8. Sponsors
9. Carrier

Academic contents

1. School calendar
2. School Day
3. Pupils
4. Uniform
5. Subjects
6. Gallery
7. Documents
8. School club

School Management

-------------------------

User

1 Admin

2 Faculty

3. Students

4 . Guest

1. Admin

1. Add Course

2. Add Time table:

1. Time table should contain subjects and faculty allocated to it.

It should be editable by admin only, for other roles it should be read only.

3. Up date faculty

4 Update Students

5 Send email

6. Contact us

7. About us

8.Activities

8. Carrier

9. Branches

2. Students

i. Registration

ii. Updates

iii. Profile

iv.

3. Faculty

i. Registration

ii. Updates

iii. Profile

4. login/ Logout

5. Language support

i. Hindi

ii. English

**What are the essential components of a school management software?**

Although the essential components required in a school management software depends on the school and the management. But there is some basic functionality which is must-to-have in any school management solution. These basic features are:

|  |  |
| --- | --- |
|  |  |
| arrow | It should have a robust and comprehensive student and staff database recording system, |
| arrow | It should have the dynamicity to add and delete roles and various access rights to different roles |
| arrow | Weather it is an offline school management software or an online solution, it should have proper back-up policy |
| arrow | It should be highly secured and tamper-proof |
| arrow | It should have all basic modules/features: |

**These basic features are**

Role based logins (For e.g. teachers, admin and principal etc.)

Student Database Management

Staff Database management

Class, sections and subject structure definition

Subjects and Teacher Association

Grading and Marking system (As per the School boards)

Fee Management System (Optional yet recommended)

Attendance and Leave Management (Optional)

Timetable Management (Optional)

Payroll Management (Optional)

Parents online interface (Optional)

SMS/Email connectivity (Optional)

|  |  |
| --- | --- |
|  |  |
| arrow | Last but not the least, is support system. No software can sustain without a robust and prompt support system at the back end. Hence it is advisable to look in detail, what support model one provides and how the routine operational and technical issues are addressed. Having a timely and friendly support system doubles the value of any school management software |
|  |  |

The modules can be chosen as per the school size and requirement, but every module helps not only in streamlining their routine operations (academic or non-academic) but also it helps to maintain an easy connect with its stakeholders like Teachers, Admin and parents leveraging the technology

Edu-Orbit™ understands the School operations in depth and is able to serve any kind of module requirement beyond the expectations. It has proven records of providing the satisfactory and yet affordable school automation services to its customers. That is why it has received continuous accreditations from the regulatory authorities over the years.

You can also try **Edu-Orbit™-**The School management Software tostreamline your school processes and routine operations. [Try free School Management Software Demo](http://www.eduorbit.co.in/demo.html)

**Online Academic Engine**

Interaction with system :

When an individual want to interact with the system , That person should be authenticated with valid username and password.

After if it is an valid user should be sent to the home page of the application.

User type:

Our system should be enough robust to support multi type of user role. These roles are given below : -

1. Admin
2. Employee
3. Student

* Admin :

This user is the super user of the application and should be granted with the highest right.

* Employee

These all are the employee of the organization so should be only allowed to access specific functionalities for example Faculty, Employee, Security and any individual who is working on the organization

* Student

This user role denotes student of the organization.

Registration Form :

As per the below scenarios we have to provide the interface where an individual can create it identity with the system.

Below shown parameters should be asked while some one want to register himself or herself.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Data type** | **Test Cases** | **Required** |
| RoleType | String (120) |  | YES |
| FirstName | String (320) |  | YES |
| LastName | String (320) |  | YES |
| Email | String (320) |  | YES |
| ContactNumber | String (20) |  | YES |
| Username | String (320) |  | YES |
| Password | String (320) |  | YES |
| Confirm Password | String (320) |  | YES |
| AddressLine1 | String (320) |  | YES |
| AdressLine2 | String (320) |  | NO |
| City | String (120) |  | YES |
| Pincode | String (6) |  | YES |
| State | String (120) |  | YES |
| Country | String (120) |  | YES |
| termsAndConditions | String (320) |  | YES |

After success full registration user should be asked for email verification . **One email should be sent to him or her given email id**. After confirming email it should be allowed to access the system by using created credentials.

**Dash Board :**

In this system dash board contains below functionalities :

1. View User Details
2. Assign role
3. Delete User
4. Send change password link
5. Update User details
6. Change password
7. Deactivate profile
8. View Result of Exam
9. Logout

Note : These functionalities depends on the use type.

Admin Dash Board

Admin should be able to do the below functionalities

Task that can be performed on its on profile

1. View Details
2. Update Details
3. Change Password
4. Deactivate Profile
5. Logout

Task that admin can perform on others behalf

1. Send Change password link
2. Deactivate profile
3. Delete User

View User Details :

Below are the details should be shown in View User Details form.

|  |
| --- |
| **Parameter Name** |
| RoleType |
| FirstName |
| LastName |
| Email |
| ContactNumber |
| Username |
| AddressLine1 |
| AdressLine2 |
| City |
| Pincode |
| State |
| Country |

Update Details :

All the above fields should be updatable .

|  |
| --- |
| **Parameter Name** |
| RoleType |
| FirstName |
| LastName |
| Email |
| ContactNumber |
| AddressLine1 |
| AdressLine2 |
| City |
| Pincode |
| State |
| Country |
|  |

Change Password

User should be able to change its password by entering below details

Old password

New Password

Confirm new Password

|  |  |  |
| --- | --- | --- |
| Field | Type | Required |
| Old password | String | YES |
| New Password | String | YES |
| Confirm New Password | String | YES |

1. There should be proper validation while changing the password

Online Test Module:

Admin Use cases :

* As a admin I want an interface to add the question into question bank. These question should be editable , updatable, and can be removed.
* All the this interface should have an proper validation on the question , There should not be duplicate questions.
* There should be an attractive UI for the admin in which I can filter , and view the question list from the db (Question bank).
* From the list if I want I should be able to see the individual questions.
* I can see all the result of examinee’s, Personal information which is available on the db, I can also update, delete it if needed.
* I should be able to schedule the question as per exam. What should be the questions, how many they should be etc.

**Time table**