Business Contract Proposal for School Management system and Mobile Applications(Android and iOS)

Contract Submitted by,

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Document Details	
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Document Revision History				
Version No.	Prepared by	Date	References	Summary of changes
1.0	Miss.Deepti Pujari	5th January, 2018	Discussions with client on freelancer.	This is the first version of document prepared after discussion the scope with client.
2.0	Miss.Deepti Pujari	17th January, 2018	Discussions with client on freelancer.	This is the second version of document prepared after discussion the scope with client.
3.0	Miss.Deepti Pujari	18th January, 2018	Discussions with client on freelancer.	This is the third version of document prepared after discussion the scope with client.
4.0	Miss.Deepti Pujari	29th January, 2018	Discussions with client on freelancer.	This is the fourth version of document prepared after discussion the scope with client.
5.0	Miss.Deepti Pujari	16th March, 2018	Discussions with client on freelancer.	This is the fifth version of document prepared after discussion the scope with client.

Approving Authority			
Name	Designation	Date	Version no.
Mr.Rahul Pardeshi	Business Development Manager	5/1/2018	1.0
Mr.Rahul Pardeshi	Business Development Manager	17/1/2018	2.0
Mr.Rahul Pardeshi	Business Development Manager	18/1/2018	3.0
Mr.Rahul Pardeshi	Business Development Manager	29/1/2018	4.0
Mr.Rahul Pardeshi	Business Development Manager	16/3/2018	5.0

Table of Contents

1. Purpose of document

This document is the fifth version of document, prepared after a detailed discussion with Client. All the suggestions and modifications are welcome from client. Once we confirm the scope mentioned in the document with client then we can proceed for the further phases of project.

2. Project URL

Reference	Project URL
Freelancer.com	"https://www.freelancer.com/projects/graphic-design/Build-Website-15460795/"

3. References provided by client

Please share if you have any design reference or reference website to review for us to understand better.(If any)

4. Objective of project

Basically it is School management system for super admin,school admin,professor,Parent,Student,Technical and to Manage their dashboard and functionalities and tasks online.

School Admin can manage Students,Parent,Professor,Technical CMS.

Website will need to have RESPONSIVE so that it opens at all platforms including smart phones(iPhone, iPad and Android), windows and Mac,but for android and iOS there's separated mobile versions for each.

5. Acronyms and Abbreviations

Abbreviation	Description
FR- D1	Functional Requirement for Super Admin
FR- D2	Functional requirement for Technical
FR- D3	Functional requirement for school Admin
FR- D4	Functional requirement for Professor
FR- D5	Functional requirement for Student
FR- D6	Functional requirement for Parent

6.Assumptions

1. We assumed Brand name(s) and Logo(s) will be provided by client(To avoid delay we will put placeholder their).

2. We assume that client should provide us everything beforehand like logo and banners to avoid delay in work and anything which will result in risk and dependency further(To avoid delay we can put placeholder their).

3. Note: For OTP client need to provide SMS gateway

4. Payment Gateway (if necessary) will be provided by client.

5. Client will give all API's (If needed).

6. Client will provide Play store account credentials to us.

7. Client will provide App store account credentials to us.

8. Client will provide UDID of the iPhone device.

9. Client will provide all the required third party API for the project(If needed).

10. Note – To receive notifications via SMS, system need to integrate SMS gateway. Client need to provide SMS gateway detail to integrate into the system.

7. Risk

1. If we didn't received any confirmation design on time, then development will delay.

2 . If Webwing Technologies haven't receive any approval from client side or client delays to provide the required information then Webwing Technologies will wait for 20 Business working Days.

3 . After 20 Business working days if there is no feedback from client on dependency Module then Webwing Technologies will Consider this module as confirmed. If these changes occurred within support Period (2 months of Support period) then Webwing Technologies will complete the work for free of cost after that it will be paid Service.

8. Dependency

1. If we didn't received any confirmation design on time, then we can't proceed further.

2. If Webwing Technologies haven't receive any approval from client side or client delays to provide the required information then Webwing Technologies will wait for 20 Business working Days.

3. After 20 Business working days if there is no feedback from client on dependency Module then Webwing Technologies will Consider this module as completed. If these changes occurred within support Period (2 months of Support period) then Webwing Technologies will complete the work for free of cost after that it will paid Service.

4. Client will give all API's required.

9. Scope of Work

This website will have 6 stakeholder:

1. Super Admin

2. Technical

3. School Admin

4. Professor

5. Student

6. Parent

1.Super Admin

Super admin can manage system users,Add and manage schools,manage levels,manage subjects,add and manage fees,manage membership plans,view and manage reports,Notification,Manage contact enquiry,view suggestions.

2.Technical

Technical can manage modules,manage SMS,manage entity.

3.School Admin

Admin can manage payment balance,manage professor,manage employee,manage   parents,manage students,manage schedule,manage level,manage class,manage   course/subject,manage attendance,manage examination,manage assessment scale,manage   fees,manage task,assign task,manage stock   manage document, manage news,manage clubs,manage driver,manage bus,manage driver   assignment, manage student assignment,manage bus route,manage canteen product,manage   meal,manage meal schedule,manage library,manage admission,manage suggestion box,manage survey,manage brotherhood.

4.Professor

Professor can manage main page,manage reviews, manage courses,manage presence,manage homework, manage claims,manage chat,manage suggestions box,manage survey.

5.Student

Student can manage main page,manage to do list,homework management,manage subject,manage reviews,manage notification,suggestion box,manage survey.

6.Parent

Parent can manage main page,manage homework,manage subject,manage reviews,manage notification,suggestion box,manage survey.

Language of Website

French

Currency

MAD (Moroccan Dirhams)

❖ Note:-As per client requirement, User will make payment using any type of currency(multi-currency support and by default currency will be MAD).

10. Home Page

❖ Logo

❖ Log in

❖ About

❖ Profile with icon (Show after Login)

❖ My Account Menu (Show after Login)

Footer Menu

- ❖ Other links
- ❖ About Us
- ❖ Blogs/News
- ❖ Contact Us
- ❖ How it works
- ❖ Terms & Condition

Functional Requirement

FR D.1 Super Admin

FR– D 1.1 Super Admin Login

❖ In the site Super admin can access his/her account using a valid Email ID and Password. In case the given Email id/Password is not valid, the message, "Your login attempt was not successful. Please try again" will be displayed and the Super Admin can try again.

FR– D 1.2 Forgot Password

- ❖ Super Admin can request for password if he has forgotten password.
- ❖ He needs to enter his Email Address.
- ❖ If Email details found in database then Email will be sent to that Email address with appropriate reset password link and super admin can reset his password from there.

FR– D 1.3 Super Admin Dashboard (NEED TO CONFIRM)

❖ A graphic of the current year by month for trend of total students having access to the system.

❖ A graphic of the current year by month for trend of total schools having access to the system.

FR– D 1.4 Super Admin Account

FR– D 1.4.1 Edit Profile

❖ Super Admin can change his/her profile picture if he wants. He/she can set/upload profile picture multiple times.
He/she can set only one picture at time.

❖ Super Admin modify his profile details. Press the 'Submit ' button to save the new details.

❖ Super Admin can edit his profile details include:

✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
✧ Name
✧ Email Id (Cannot edit)
✧ Mobile No
✧ National ID
✧ Nationality
✧ Gender (Male/Female)
✧ Address
✧ Map location

FR– D 1.4.2 Change Password

❖ Super Admin can change his Current Password.

❖ Super Admin can reset his old password and save changes.

❖ Super Admin can change his/her old password, please enter a new password in the form below and click on 'Submit 'button.

❖ When Super Admin "Change their password" a notification should be sent by email informing the Super Admin

that their password has been changed.

FR– D 1.4.3 Social Links

❖ From the admin panel on "Social Link "tab, here super admin can add many social link such as:

  ❖ Facebook Link
  ❖ Twitter Link
  ❖ Gmail Link
  ❖ Linked–in

❖ After save this social links that social links will display on website front end.

FR– D 1.5 Manage Front Pages/Quick Links:

❖ Add Front Pages

❖ From super admin dashboard, he can add number of pages. This page required following fields:

  ❖ Name
  ❖ Title
  ❖ Meta Title
  ❖ Meta Keyword
  ❖ Meta Description
  ❖ Description

❖ From the super admin panel on "Front Pages" tab, here super admin add many front pages such as:

  ❖ Home
  ❖ Contact Us
  ❖ Site Map
  ❖ Terms & Condition
  ❖ Privacy Policy
  ❖ About Us

❖ Above pages require following information such as:

  ❖ Page name
  ❖ Page Title

- ✧ Page Details
- ✧ Action(Block/Unblock)

❖ After save this pages that pages will displaying on website front end. Super admin can block/ unblock any pages when he/she want, if admin block any pages then User cannot see from front pane

❖ Edit content page

  - ✧ Super admin will able to edit the content page.

  - ✧ Super admin will able save or discard changes.

  - ✧ Delete content page

  - ✧ Super admin will able to select "Delete" action.

  - ✧ The system shows a warning message.

  - ✧ If Super admin chooses to continue, the content page is deleted

FR– D 1.6 Manage System Users

❖ Super Admin will be able to Manage System Users.

❖ He can manage the users with following details.

  - ✧ School Admin
  - ✧ Students
  - ✧ Professor
  - ✧ Parent
  - ✧ Technical
  - ✧ Employees

FR– D 1.7 Add & Manage School

❖ Super Admin is able to Add Schools and provide Email Id and password to the schools owners.

❖ Admin will able to search school by School name,School Type,School Email,Owner Name,School Address.

❖ Super Admin will be able to Add school.

❖ Super Admin can add schools with following details.

■ Here super admin will be able to add,edit school profile fields,he will not add the details he is just creating a form with fields.(Like template)

ONLY SUPER ADMIN GOING TO ADD SCHOOL , SCHOOL ADMIN ONLY CAN EDIT AND ADD THEIR SCHOOL INFORMATION

General Information

✧ School Logo (Select Image)

✧ School Id (Auto generate or select)(here we will take some initial prefix of school and ID like[01],[02])**(here we will take some initial prefix of school and ID like[01],[02] , school id should be 10 characters (alphanumerical) xxxxxxxx , a random and unique ID (should generate, check on database that it doesn't exist before affecting to a new school), for example it can be "6AB56C88F0")**

✧ school name

✧ School Type(private/public/Religious/other)(Need to confirm with the client whether After changing the type the features or policy will change or remain same)**(Features and policies will remain same)**

✧ School Owner Name

✧ School creation date

✧ Description

Contact Information

✧ School Email

✧ School Telephone No

✧ School Fax No

✧ Owner Contact No

✧ School Address Landmark

✧ School Location Map (GEO LOCATION)

✧ Save

- ❖ Super Admin will be able to manage & view Schools
- ❖ Super Admin will be able to view following details of schools:(Need to confirm)
  - ✧ School Name
  - ✧ School Type(private/public/Religious/other)
  - ✧ School Email
  - ✧ School Owner Name
  - ✧ School contact
  - ✧ School Address
  - ✧ Status (Active/deactivate)
  - ✧ Action (View)

- ❖ By clicking on "View" link,Super admin will be able to View information of School with following details.

  - ✧ School Logo (Select Image)
  - ✧ School Id
  - ✧ school name
  - ✧ School Type(private/public/Religious/other)
  - ✧ School Owner Name
  - ✧ School creation date
  - ✧ Description
  - ✧ School Email
  - ✧ School Telephone No
  - ✧ School Fax No
  - ✧ Owner Contact No
  - ✧ School Landmark
  - ✧ School Location Map
- ❖ Block/Unblock to School.

FR– D 1.8 Add and Manage Levels

❖ Super Admin will be able to Manage levels.

❖ Super Admin will add School levels with following attributes:

    ✧ Level Name~~(we need list of all levels~~)

    ✧ Action(save)

Level example : Level 1, Level 2 i.e standard level
Also school admin will have facility to add a level. If the school 1 added Level 3 this level only can be seen by that school admin only not for other school admin

❖ Super Admin will manage School levels with following attributes:

    ✧ Level Name

    ✧ **Display Position.(optional)**

    ✧ Action(Edit)

❖ Super Admin can search for level with level name.

❖ Super Admin will be able to Edit levels with :

    ✧ Level Name

    ✧ **Display Position**

    ✧ Update

❖ By clicking on update super admin will save and update levels for schools.

FR– D 1.9 Add and Manage Fees

❖ Super Admin is able to Add and Manage fees fields with following details.~~(Template)~~***Done***

    ✧ Fee Name(Tuition fees,Transportation fees,Event fees,library fees,Club membership fees & others…)

    ✧ Action(Edit)

❖ Admin can Edit the fees by entering the fees name and Update it.

❖ Admin can add a new fees by clicking on "Add fees" and then:

    ✧ Fees Name.

    ✧ Click on save button to save that particular fees.

❖ Here super admin is only creating the fees receipt category and school admin will put the amount of that category(like transportation fees) as per their fee structure.

❖ This are the fee categories to be put on receipt ,school admin can select whatever fields he wants to include from this fees attributes and enter their amounts to print on their fees receipt.

FR– D 1.10 EDIT / Manage Membership plans (having active inactive features~~need to confirm whether he wants free trial package or not~~)(*There is no Free Plan*)

❖ Super Admin is able to edit and manage membership plans

❖ He can manage membership plans with following details

    ✧ Plan Name

    ✧ User group(school,parent..)(~~Need to confirm from client whether there will be restriction on user group or not~~)

    ✧ Availability(years)

    ✧ Max no of students

    ✧ Max no of staffs

    ✧ Action(View)

ANS : Client will going to confirm regarding whole subscription packages

❖ There will be different membership packages as Basic,Gold,Premium.

❖ According to the membership plans selected super admin will be able to give authority to school admin or principle to access different modules.

❖ The super Admin is responsible to set the amount of membership package.

❖ <mark>This module will be disabled by default and can be enabled by super admin for a specific school.</mark>

<mark>**Note:–As per your requirement you will take fees from school manually**</mark>.

Payment methods -

❖ Super admin is able to enable and disable the payment methods from the below described .

❖ ~~Only super admin will have ability to enable and disable this module.(whether it is applicable for super admin and school admin).~~

- ✓ By Cheque
- ✓ Wire transfer
- ✓ Online (we will use paypal as payment gateway everywhere for online payment)
- ✓ Species<mark>(its the hard cash submitted by parents</mark>)

FR– D 1.11 View and Manage Reports(**Whole report list**)

❖ Super Admin is able to view and generate Reports.(We need to specify which type of reports we want to give)

❖ A super admin can generate report of stakeholders, he can choose school, population type (students, parents) , active (yes/no)

❖ School list report, a super admin can generate a listing of all schools, he can filter by country, by town, by type (private/public or other)

ANS: CLIENT GOING TO SUBMIT THE REPORT EXAMPLE WITH US SOON

Note: Subscription Plan is fixed and there will be no enable disabled facility from super admin

FR– D 1.12 View and Manage Notifications

Super admin will get various notifications like:

✦ Super admin will get notified when a particular school update its profile.

✦ Super admin will get notified when school admin accepts any suggestion.

✦ Super Admin be able to view the details of notifications while clicking on view details.

✦ Super Admin should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification).

✦ Super Admin will be able to delete the notifications that are older than Month,year and which are of no use.

FR– D 1.13 Add and Manage Technical

❖ Super Admin is responsible to Add and manage Technical.

❖ Super Admin will provide login details to technical.

✦ Profile Picture
✦ Name
✦ National ID
✦ Nationality
✦ City
✦ Address
✦ Map location(to show his address location on map)
✦ Technical Id
✦ Date of Birth
✦ Gender
✦ Status
✦ Years of Experience
✦ Telephone No
✦ Mobile No
✦ Qualification Degree
✦ Status (Active/Inactive)
✦ Action (View)

❖ Technical will have authority to access those modules which is assign by super admin like manage modules(enable,disable),manage SMS(enable,disable),manage entity(enable,disable).

FR– D 1.14 Contact support

❖ Super admin will be able to Add and manage the categories of enquiry.

❖ Super Admin is able to view and Manage Contact Enquiry.

❖ Super admin will be able to manage(View) the received enquiry from school admin.

❖ He will be able to view the Contact Enquiry with following details:

    ✧ Subject for Enquiry

    ✧ Enquiry category (Bugs,suggestion,features..)

    ✧ Description of Enquiry

❖ Super admin will get notification when school admin sends a contact enquiry.

FR– D 1.15 View suggestion

❖ Super Admin is able to view the suggestions that are accepted by the School Admin.

❖ He is able to view Suggestions form different school using "School Id", he can sort suggestions.

❖ Super Admin is able to view the suggestion as:

    ✧ User type(role)

    ✧ Suggestion Subject

    ✧ Suggestion Description

    ✧ Suggestion given date.

    ✧ Duration

    ✧ Poll Status(raised or not)

    ✧ Pole count(like,dislike hit counts)

    ✧ Admin final acceptance status.

    ✧ Action(View)

❖ Super Admin is able to view the suggestions that are accepted by School Admin.

FR– D 1.17 Add and Manage Exam Type. (SHOULD BE WITH SCHOOL ADMIN PANEL)

❖ Super Admin can add a new Exam Type by clicking on "Add Exam Type" and then:

    ✧ Enter Exam Type Name(Local test,Regional test,free test…)

✧ Click on save button to save.

❖ Super Admin is able to Manage Exam Type with following details.

✧ Exam Type(Local test,Regional test,free test)

✧ Action(Edit)

❖ Super Admin can Edit the Exam Type by entering the name of Exam type and Update it.

FR– D 1.18 Add and Manage Exam Period. *(SHOULD BE ALSO WITH SCHOOL ADMIN PANEL)*

❖ Super Admin can add a new Exam period by clicking on "Add Exam Period" and then:

✧ Enter Exam Period Name(first quarter, second, third, final..)

✧ Click on save button to save.

❖ Super Admin is able to Manage Exam Period with following details.

✧ Exam Period(first quarter, second, third, final…)

✧ Action(Edit)

❖ Super Admin can Edit the Exam Period by entering the name of Exam period and Update it.

FR– D 1.19 Log out

❖ Super Admin clicks on log out button,From here he can log out from his account safely and successfully.

FR D.2 Technical

FR– D 2.1 Technical Login

- ❖ Super admin will add technical from back–end to manage the system. Super admin will assign roll to manage the subscription and modules of the system.
- ❖ Super admin will provide Email Id and password to the technical person to login into the system.
- ❖ After login technical will redirect to the dashboard.

FR– D 2.2 Forgot Password

- ❖ Technical can request for password if he has forgotten password.
- ❖ If Email details found in database for the particular Email address then Email will be sent to that Email address with appropriate reset password link and Technical person can reset his password from there.

FR– D 2.3 Technical dashboard

- ❖ Here in Technical dashboard Technical person is able to view graphics including various details in graphical format as:

- ❖ Here he can view different entity modules which he can activate and deactivate that are assigned to that technical person.

FR– D 2.4 Technical Account

- ❖ The logged technical can maintain his/her account, he/she can change the Edit profile, Change Password, and Profile Picture from here.

FR– D 2.4.1 Edit Profile

- ❖ Technical can edit his profile as follows
    - ➢ Profile Picture

- Name
- Map location(to show his address location on map)
- National ID
- Nationality
- City
- Address
- Technical Id (Not Editable)
- Date of Birth
- Gender
- Status
- Years of Experience
- Telephone No
- Mobile No
- Qualification Degree(High School,Metric,Post Graduate,Others)

❖ Technical person will be able to edit his Email Id as follows:

1- As a Technical person click on button to request a change his email on profile page .

2- The page display a message saying that a mail has been sent to user emails and he should check his email to make change.

3- Received email should contain a link that is valid for 24hours.

4- Technical person click on the link and get redirected to a Page on the application prompting him to enter his new email address.

5- Technical Person enter new email and validate.

6- A message is displayed saying that change has been made and all notifications will be sent to new email

7- Technical person is disconnected automatically from session and redirected to login page.

FR– D 2.4.2 Change Password

❖ Technical can change his Current Password.

❖ To change the password, technical need to follow the following steps.
  - Enter current password – if the current password is match with enter password then able to enter new

password.

> Enter new Password

> Reenter new password – if the new password is match with reentered password then able to change the password of his account

> When Technical Person"Change their password" a notification should be sent by email informing the Technical Person.

FR– D 2.4.3 Notifications

❖ From the notification settings, technical will set which notifications he wants to receive and where to receive.

❖ Technical will receive notifications on Email and SMS.

❖ Technical Person should be able to view the details of notifications while clicking on view details.

❖ Technical Person should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification).

❖ Technical Person will be able to delete the notifications that are older than Month,year and which are of no use.

Note – To receive notifications via SMS, system need to integrate SMS gateway. Client need to provide registered SMS gateway detail to integrate into the system.(take at–least name from client)

FR– D 2.5 Manage Modules(No need to provide manage subscriptions plans manage privilege facility to the technical person)

❖ Technical will have ability to Enable and Disable the system modules as per school subscription.
Super admin will set the subscription packages and sent modules as per the subscription. On the basis of subscription technical will Enable and Disable the system modules.

FR– D 2.6 SMS Management(Need to confirm with the client)

❖ Technical person will able to manage SMS notifications.

❖ Technical person will set, which notifications will send from the SMS like Payment notification to parent etc…

❖ Also, technical will set what information will send via SMS.

❖ *There will be 2–3 predefined SMS templates from which Tech. Person can edit the text area only.*

❖ Technical will have authority to enable and disable the SMS notifications. Ex. – If the school don't want to send the notifications of student is absent or notification after professor will add homework then technical will disable this feature from system back–end.

FR– D 2.7 Entity Management/ Module management

(This feature we have already mentioned in subscription plans)no need of this module.

- ❖ Here in this section Technical person is able to manage the different entities like(student, professor, Employee, Parent).

- ❖ Here in this section technical is able to enable or disable each entity like (student ,professor ,employee, parent).

- ❖ In this section technical person is able to enable disable different entities and he can activate/deactivate their modules.

- ❖ Technical will not able to remove an entity if it is already assigned to another entity. (e.g Technical can not remove teacher who is assigned to a material).

FR– D 2.8 Log out

- ❖ Technical person clicks on log out button,From here he can log out from his account safely and successfully.

FR D 3 School Admin

FR– D 3.1 Log in Steps

❖ <mark>In this section School Admin need to enter the Email Id and Password provided by super admin through email.</mark>

❖ Super admin will add School admin into the system and provide login details to login into the system.School Admin will login into the system and redirect to the terms and condition page and then to his dashboard.

❖ After login school admin will able to use the features and functionality of the system.

❖ School Admin will able to log in to the system by entering the following details.

Field description	Type of character	Mandatory (Y/N)
Email Address	Alpha numeric & special character	Y
Password	Alpha numeric & special character	Y
Action	Button: Log In	Y

❖ Here School Admin will read and accept the terms and condition(for the first time connection)and then only he can login to the system.

❖ If the terms and conditions are changed that needs to be displayed again.

❖ By entering above mentioned details & by clicking on "Log In" button. School Admin will get logged

in to the system.

FR– D 3.2 Forgot Password

❖ School Admin can request for password if he has forgotten password.

❖ If Email details found in database for the particular Email address then Email will be sent to that Email address with appropriate reset password link and school admin can reset his password from there.

FR– D 3.3 School admin Dashboard

❖ School admin is able to view the graphical view of modules as follows:

❖ Module that displays finance over a year (financial inflow + left to pay).

❖ Module that displays the total of students throughout the year.

❖ School admin is able to view the calender.

❖ A module that displays system notifications.

❖ A module of absence of students / teachers,School admin is able to view the graphic representing all the months of the year and each month the total absences.

❖ A module that displays examination mark average per subject, when clicking on a subject then we can display average mark by month, if we click on a month then we can display average mark for each class on this month(if possible we will do need to check).

FR– D 3.4 School Admin Account

❖ The logged school admin can maintain his/her account, he/she can change the Edit profile, Password, and Profile Picture.

FR– D 3.4.1 Edit Profile

❖ School admin can edit Name, Status, Contact number, Date of Birth, City and Change profile Picture.

❖ School Admin will be able to edit his Email Id as follows:

1- As a school admin click on button to request a change his email on profile page .

2– The page display a message saying that a mail has been sent to user emails and he should check his email to make change.

3– Received email should contain a link that is valid for 24hours.

4– School Admin click on the link and get redirected to a Page on the application prompting him to enter his new email address.

5– School Admin enter new email and validate.

6– A message is displayed saying that change has been made and all notifications will be sent to new email

7– School Admin is disconnected automatically from session and redirected to login page.

FR– D 3.4.2 Change Password

❖ School admin can change his Current Password.

❖ To change the password, school admin need to follow the following steps.

❖ Enter current password – if the current password is match with enter password then able to

❖ Enter new Password

❖ Re-enter new password – if the new password is match with reentered password then able to change the password of his account.

❖ When School Admin "Change their password" a notification should be sent by email informing the School Admin.

FR– D 3.4.3 Contact Support

❖ School admin is able to contact to super admin and send an enquiry regarding the issues he found in some module,if any module is not working properly.

❖ School admin is able to contact and submit a request (improvement proposal, missing option, bug detected,about any exception occurred while using any module...) its just a form and that will be received by super admin via email and also on his dashboard.

❖ He will be able to send the Contact Enquiry with following details:

  ✧ Subject for Enquiry
  ✧ Select Category like(bug, new feature...)
  ✧ Description
  ✧ Submit

FR– D 3.4.4 Notifications

❖ School admin will be able to see the notification list with "notification title" and "date,time".

❖ School admin will have following notifications:

  ✧ New parent registration
  ✧ Student Behavior(When professor add student Behavior)
  ✧ Course Material(Course material added by Professor)
  ✧ Exam(When Professor adds a exam)
  ✧ Task (When a task is completed,status of task updated)
  ✧ Survey(When any stakeholder respond to survey)
  ✧ Suggestion(When any stakeholder post a suggestion)
  ✧ Document(When parents uploads document)
  ✧ Payment(When parent pays fees of their kid)

❖ From the notification settings, any stakeholder can set which notifications he wants to receive and where to receive.

❖ By default school admin will receive notification on Mobile Application.

❖ School admin will receive notifications on Application,via Email and SMS.

❖ School Admin should be able to view the details of notifications while clicking on view details.

❖ School Admin should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification).

❖ School Admin will be able to delete the notifications that are older than Month,year and which are of no use.

Note - To receive notifications via SMS, system need to integrate SMS gateway. Client need to provide registered SMS gateway detail to integrate into the system.

School Setup

❖ School Admin will first do his school setup,then only he will add student,parents against that student and get their suggestions,view claim module.

❖ The system will show school Admin that he has filled 5 modules in progress bar format of his school setup and it will give error to the school admin that please setup your school first before adding student.

PDF Format

❖ **While adding any stakeholder if we have mentioned that School Admin will be able to Export the details in PDF & Excel format, for the pdf format we will provide first a sample from our end to client once it get confirmed we will proceed further.**

FR– D 3.5 School Profile

❖ In this section School admin is able to enter his school information which he/she will be able to view and Edit.

❖ School Admin will view and edit their school details with following fields.

    ◆ School Logo [Select Image(allowed only JPEG and PNG image)]
    ◆ School Id
    ◆ school name
    ◆ School Type (Public/Private/Religious/other)
    ◆ Principal Name
    ◆ School Fax No

- School Owner Name
- School Email
- School Telephone No (Should support multiple phone numbers)
- Principal Mobile No
- Principal National Id
- Owner Contact No
- School Address
- Add City (Drop down)
- Area (Drop down)
- School Location Map

❖ School Admin can then Click on "Save" to save all school details.

❖ School Id is auto generated, and its a unique hash-code of 10 character including alphabets and numbers.

❖ Note:-Mobile Application will have only viewing features for School information management.

FR– D 3.6 Admission Management

Student Admission

❖ School admin is able to add admissions as.

- Academic Year
- Admission date
- Admission Number
- Education Board
- Parent National ID
- Brotherhood benefit(check box)

✦ Enter student national id

❖ To get brotherhood beneficiary during admission,for admission of new student,he needs to enter the national id of that existing student(sibling),He can add multiple national id's depending on kid number.

❖ Here in this section school admin is able to add and Edit new parent,new student details.

❖ He can also add the New kid of Existing Parent,Using National Id.

❖ He can update the particulars for Existing Parent and Existing Kids.

Add Student Detail

❖ <mark>To add a new student, school admin will first needs to enter Parent National Id(Not needed)</mark>

❖ If the Entry all-ready exists then all the particulars gets reflected for that student if he is all-ready a existing one.

❖ If the Student is new and not an existing one the school admin can add student with particulars as below and he will also add parent particulars against that student.

❖ Here in this section School Admin can add New students with following details

  ✦ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)

  ✦ Name

  ✦ Student Id

  ✦ Parent National Id

  ✦ Level (Drop down)

  ✦ Class (Drop down)

  ✦ National ID

  ✦ Date of Birth

  ✦ Email Id

  ✦ Telephone No

  ✦ Gender

  ✦ Mobile No

  ✦ Nationality(Drop down)

- ✧ City
- ✧ Address
- ✧ *Student pick up location*
- ✧ *Student drop up location*
- ✧ Location on MAP
- ✧ Special Notes

- ❖ School Admin/Principal will give login details to students by email.
- ❖ School admin can add Special notes for students (like he have allergy from milk, or he need special help when going to toilet…).
- ❖ *School admin can select level and class then he will get list of student from which he can select a student or multiple student and click on promote option to promote that student from one level to next level.*

Add Parent Details

- ❖ Here in this section School Admin can add parent with following attributes.

  - ✧ National ID
  - ✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
  - ✧ Name
  - ✧ Parent Email Id
  - ✧ Nationality (Drop down)
  - ✧ Date of Birth
  - ✧ Gender
  - ✧ Occupation(his business)
  - ✧ Address
  - ✧ city(Drop down)
  - ✧ Country (For all stakeholders)
  - ✧ Map location
  - ✧ Mobile No
  - ✧ Qualification Degree(High School,Metric,Post Graduate,Others)optional

- ✧ Alternative Mobile No
- ✧ Relation(Drop down)
- ✧ Status(Drop down)
- ✧ Action(Save,cancel)

- ❖ A parent can have many students on the same school.
- ❖ School Admin/Principal will give login details to students by email.
- ❖ School Admin/Principal will give login details to parents by email.

- ❖ School Admin will be able to Export the above details in PDF(need to confirm which fields you want to show in pdf) & Excel format.

- ❖ School admin is able to add multiple student Admission details at once using bulk upload feature.
- ❖ To copy data from previous year school admin is able to first select the academic year.

- ❖ School admin can copy the Admission record of previous year using "copy data from previous year button" ,as he click on this button a notification will be sent to all the parents, that new academic year is going to start and to promote their kid from this year to other they need to pay fees of school for their kid,within the due date of one month,also a reminder notification will be send before 5 days of due date,if any parent failed to pay their kids fees then their kids admission will be cancelled and school admin can tag that student as disabled since he's not a part of school,but he have history on the school that should be maintained.

  Note:-once the software will be implemented data will be carried from that date,no back data will be imported.

Configure Admission

- ❖ In this section school admin can do ads of his school.

  - ✧ Academic Year
  - ✧ Level/Class
  - ✧ Education Board
  - ✧ No. of Seats Available
  - ✧ Application Fee
  - ✧ Admission Opens
  - ✧ Admission Closes

FR– D 3.7 Professor

❖ Here in this section School admin is able to add the professor,he can add professor by entering following details.

  ◇ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
  ◇ Name
  ◇ Email Id
  ◇ Address
  ◇ Map location(to show his address location on map)
  ◇ National ID
  ◇ Nationality
  ◇ City
  ◇ professor Id
  ◇ Date of Birth
  ◇ Gender
  ◇ Status
  ◇ Years of Experience
  ◇ Telephone No
  ◇ Mobile No
  ◇ Qualification Degree(High School,Metric,Post Graduate,Others)
  ◇ Subject they teach

❖ School Admin is able to search for professor by several combined criteria (by name, subject, year,Email Id)

❖ School Admin will give login details to professor.

Note:While creating a professor account, Professor will receive his login details by email

❖ School admin will be able to view the professor added with details as follows

  ◇ Profile Picture (Image allowed only JPG, JPEG and PNG image)
  ◇ Name
  ◇ Email Id

- ✧ National ID
- ✧ Nationality
- ✧ City
- ✧ Address
- ✧ Map location(to show his address location on map)
- ✧ Professor Id
- ✧ Date of Birth
- ✧ Gender
- ✧ Status
- ✧ Years of Experience
- ✧ Telephone No
- ✧ Mobile No
- ✧ Qualification Degree(High School,Metric,Post Graduate,Others)
- ✧ Subject they teach

❖ School admin is able to Edit the details added for particular professor,during edit school admin will not be able to edit the Email Id of professor.

❖ By clicking on "Delete" link, School admin will able to Delete information of professors added.

❖ School admin can also manage leave for a professor date wise.

❖ School admin can also export the professor details in PDF and Excel format.

❖ If a particular professor is on leave(Due to illness or other) then admin can replace that professor with other teacher.

❖ He can manage(create,view,delete) replacement of professor by entering details as Date of Replacement(from-to),Absent Teacher(Drop down),Absent Teacher staff id,Replaced Teacher(Drop down),Replaced Teacher Staff Id,Level,class,Course Name(Drop Down).

❖ "Absent professor" and "Replaced professor" should be a list from which the school admin will choose an existing professor, staff id should be displayed automatically and not entered by school admin.

❖ School admin is able to add multiple professor at once using bulk upload feature.

❖ Block/Unblock to professor.

❖ Note:–Mobile application will have only search and display function for professor management.

FR– D 3.9 Add Role and assign modules(~~here school admin will add different roles with~~ ~~role names~~)

❖ School Admin can select above Employee added and he can assign role to them.

        ✧ Assign role with role name (for e.g library staff/employee ,canteen staff, infirmary,IT)

❖ School Admin is able to add and manage the role Name which should be assigned to the Employee for e.g librarian.

❖ When Admin assign the role to the particular employee,while providing him login details he can set his role,according to that role,module related to his role get assigned to him and he can manage it, and he cannot be able to manage other modules that are not assigned to him.

FR– D 3.8 Employee/staff

❖ Here in this section School admin is able to add Employee with following details

❖ **Add Employee**:

        ✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
        ✧ Name
        ✧ Email Id
        ✧ Address
        ✧ Map location(to show his address location on map)
        ✧ Select/Assign role
        ✧ National ID
        ✧ Nationality
        ✧ City

- ✧ Employee Id
- ✧ Date of Birth
- ✧ Gender
- ✧ Status(Married/Unmarried)
- ✧ Years of Experience
- ✧ Telephone No
- ✧ Mobile No
- ✧ Qualification Degree(High School,Metric,Post Graduate,Others)

❖ School Admin will give login details to employee.(Sent automatically by email)

❖ School admin will be able to View the details of employees added with the fields as mentioned above including role assigned to that Employee(i.e Teaching staff,Non-teaching,IT,Infirmary....).

❖ School admin will be able to search for the employees added by Name,Employee Id,Email Id.

❖ By clicking on "Edit link" school admin is able to edit the information of employee added,but during edit school admin is not able to edit employee email Id .

❖ School admin can also export the employee details in PDF and Excel format.

❖ School admin is able to add multiple employee at once using bulk upload feature.

❖ By clicking on "Delete" link, School admin will able to Delete information of Employee.

❖ Block/Unblock Employee.

❖ Note:-Mobile application will have only search and display function for employee management.

❖ Note:-Employee and staff are one and the same and we have mentioned their functionalities feature list here above, so there is no need to take staff/employee as a new stakeholder.

❖ Block/Unblock Employees.

Manage Survey

❖ School admin will create the survey for Professor, Parent and Student,Employee.

❖ Employee will get the notification when school admin will create survey for Employee.

❖ Employee will open the survey and respond with answers of the survey questions.

Suggestion box

❖ Here in this section Employee is able to give his suggestions.

❖ In the suggestion, employee will suggest to add any module or feature that improve the software performance.

❖ To provide suggestion employee need to enter

  ➢ Suggestion subject
  ➢ Suggestion Category
  ➢ Suggestion description
  ➢ Submit

❖ After submitting the suggestion, suggestion will be send to school admin for Approval.

❖ If School admin raised a suggestion for polling and set visibility for employee then all the employee will get notified and they can participate in that poll and click on (like,dislike button) to give their votes on that suggestion.

❖ Employee can view the suggestion with following details

  ➢ Suggestion created Date
  ➢ Suggestion subject
  ➢ Suggestion Category
  ➢ Suggestion description
  ➢ Poll status(Raised,Not raised)

- ➢ Poll duration
- ➢ Poll count
- ➢ Admin final Acceptance status.
- ➢ Action(View)

❖ On view he can see the above mentioned details.

❖ Employee is able to manage the suggestion as follows

- ➢ Suggestion created Date
- ➢ Suggestion subject
- ➢ Suggestion Category
- ➢ Suggestion description
- ➢ Poll status(Raised,Not raised)

❖ Employee will submit suggestion using web and mobile application.

FR– D 3.10 Parent

❖ Here in this section School Admin can manage and view parents added in the system.

- ✧ Profile Picture (Image allowed only JPG, JPEG and PNG image)
- ✧ Name
- ✧ Parent Email Id
- ✧ National ID
- ✧ Nationality (Drop down)
- ✧ Date of Birth
- ✧ Gender
- ✧ Occupation(his business)
- ✧ Address
- ✧ Map location
- ✧ city(Drop down)
- ✧ Mobile No
- ✧ Qualification Degree(High School,Metric,Post Graduate,Others)
- ✧ Alternative Mobile No

◇ Relation(Drop down)

◇ Status(Drop down)

❖ School Admin can Export the parent list in PDF or Excel format.

❖ School Admin is able to search for parent by several combined criteria (by name,relation,city,Email)

❖ By clicking on "View Student " link,School admin will able to View information about student list of Parent with following details.

◇ Sr. No.

◇ Profile Picture

◇ Name

◇ National ID

◇ Level

◇ class

❖ Block/Unblock Parents.

New Parent Registration (NOT REQUIRED ANASS GOING TO CONFIRM)

❖ School admin will get notified when a new parent get registered to the system.

❖ As a new parent sign up to the system,school admin will receive the details of parent ,school admin will check whether that parent's kid is learning from his school using student national Id,if Yes then school admin will validate that parent on his registration and assign them parent dashboard.

❖ If school admin accepts registration request then that parent will get validated and he gets access to his dashboard.

❖ If school admin rejects parent request then that parent and his record will not get added.

❖ Note:- Mobile application will have only search and display function for parent management.

FR– D 3.11 Student

❖ School Admin can view & manage all the added students list with all the details as.

        ✧ Profile Picture (Image allowed only JPG, JPEG and PNG image)

        ✧ Name

        ✧ Student Id

        ✧ Parent National Id

        ✧ Level (Drop down)

        ✧ Class (Drop down)

        ✧ National ID

        ✧ Date of Birth

        ✧ Email Id

        ✧ Telephone No

        ✧ Gender

        ✧ Mobile No

        ✧ Nationality(Drop down)

        ✧ City

        ✧ Address

        ✧ Location on MAP

        ✧ Special Notes

❖ ~~School admin can select level and class then he will get list of student from which he can select a student or multiple student and click on promote option to promote that student from one level to next level.~~(this module will come at student admission,what is need to promote student from here)

❖ School Admin can Export the Student list in PDF or Excel format.

❖ Block/Unblock or Students.

❖ By clicking on "Delete" link, School admin will able to Delete information of student.

Note:–Mobile application will have only search and display function for student management.

FR– D 3.11.1 View Student behavior(*we have to show student behavior for a period(from –to),weekly,monthly,behavior trend by week for a subject,behavior trend by month for a subject*)

❖ Here in this section school admin is able to view the notations from 0 to 10 on a certain frequency given by professor to a particular student.

❖ He will be able to View description of that notation points.

❖ Here firstly the school admin will be able to set/add the period (weekly,monthly,yearly)according to which notification will be sent to professor over_viewing which professor will mark student notation.

❖ School admin is able to search notation for a particular student to analyze that student behavior by.

   ✧ Period (Weekly, Monthly)
   ✧ Level
   ✧ Class
   ✧ Student name
   ✧ Subject/course
   ✧ Action(View)

❖ School admin is able to view notation for a particular student as follows period–wise,level wise,class wise course wise.

   ✧ Level
   ✧ Class
   ✧ Student name
   ✧ Subject
   ✧ Notation points(on behavior)
   ✧ Description/comments on notation.

FR– D 3.12 Driver

❖ School Admin is able to Add,Edit,Delete search and view driver with following details.

❖ School Admin will also be able to add a driver with following attributes.
   ✧ Profile Picture Select Image (allowed only JPG, JPEG and PNG image)
   ✧ Driver Name
   ✧ Driver License No
   ✧ Staff Id/Employee Id
   ✧ National ID
   ✧ Address
   ✧ Map location
   ✧ Nationality
   ✧ City
   ✧ Email
   ✧ Gender(Male, Female)
   ✧ Mobile No
   ✧ Telephone No
   ✧ Date of Birth
   ✧ Save

❖ He will be able to search using various fields as follows:

   ✧ Driver Name
   ✧ Driver License No
   ✧ National ID
   ✧ Email

By clicking on "View" link, School admin will able to View driver with following details.
   ✧ Profile Picture
   ✧ Select Image (allowed only JPG, JPEG and PNG image)
   ✧ Driver Name
   ✧ Driver License No
   ✧ Staff Id
   ✧ National ID
   ✧ Address
   ✧ Map location
   ✧ Nationality
   ✧ City

- ✧ Email
- ✧ Gender(Male, Female)
- ✧ Mobile No
- ✧ Telephone No
- ✧ Date of Birth
- ✧ Action(Edit)

❖ School admin can also export all the details of particular driver in PDF and Excel format.

❖ By clicking on "Edit" link, School admin will able to Edit driver with following details.

- ✧ Profile Picture
- ✧ Select Image (allowed only JPG, JPEG and PNG image)
- ✧ Driver Name
- ✧ Driver License No
- ✧ Staff Id
- ✧ National ID
- ✧ Nationality
- ✧ Address
- ✧ Map location
- ✧ City
- ✧ Gender(Male, Female)
- ✧ Mobile No
- ✧ Telephone No
- ✧ Date of Birth
- ✧ Update

❖ Block/Unblock the driver.
❖ By clicking on "delete" link, School admin will able to delete driver created.

❖ School admin is able to add multiple driver at once using bulk upload feature.

FR– D 3.13 School Calender

❖ School Admin will be able to Add, edit, search and view & delete calender details as:

❖ School Admin can view and manage the school calender with

    ✧ Holiday list

    ✧ Monthly Holidays

    ✧ Weekly Holidays

    ✧ Additional Holidays Action

    ✧ Events

    ✧ Planned Exams

❖ Admin can add and manage event to the calendar with event name.

❖ Every student,professor,staff,parent can view the events and holiday details added in the calender.

❖ School admin is able to add their planned exams with exam name on calender and student and professor will get notified..

❖ professor can also add their planned exams on calender,when a professor add a planned exam then school admin will get notified.

❖ Student can view their planned exams on calender,when a professor add a planned exam then student will get notified.

❖ School admin can also export the calender details in PDF and Excel format.

FR– D 3.14 Timetable

❖ School Admin is able to create Timetable for level/class.

❖ To create the timetable, school admin will select the Level, Class. After that enter the school start time and end time of the school.

❖ School admin will create the period and select the subject for the period. Also, assign the professor for the subject.

❖ Also school admin can Add/Edit/Delete school start and end time and save the details.

❖ Also school admin can also reset the timetable.

❖ School Admin can Export the timetable in PDF and Excel.

❖ Note:–Mobile application will have only search and display and export function for timetable management.

❖ Timetable should have same look as outlook calendar When clicking on a specific time (for example on 9:00 Monday) then a popup will appear to permit the entry for different informations (subject, professor, start time – end time…), frequency is important also (if this course should be programmed from start to end date ?till the end of the academic year ? for a specific month.

FR– D 3.15 Level and Class

❖ School Admin is able to Add/Delete/Edit search and view School levels and class with following details.

❖ School Admin is able to create the class for each level.

❖ After selecting the level, school admin will create the class for each level. One level has multiple classes.

❖ To create the class, school admin will select the level first then add class for the level.

   ✧ Select level(drop down)
   ✧ Add class
   ✧ Action(Edit/Delete)
   ✧ Save

❖ By clicking on "Edit" link, School admin will able to Edit information of class and levels.

❖ By clicking on "Delete" link, School admin will able to Delete information of class and levels.

❖ Note:–Mobile Application will have only search and display features for class management.

FR– D 3.16 Course

❖ Here in this section School Admin is able to Add/Delete/Edit search and view Subjects/Courses.

❖ School Admin is able to Add a Courses with following details.

   ✧ Select School level

- ✧ Add Course Name
- ✧ Coefficient*(coefficient will be redundant)*
- ✧ Save

❖ School Admin is able to search a Course by level, class, Course name,Course Id.

❖ School Admin is able to view a Courses with following details.

- ✧ School level
- ✧ School Course Names
- ✧ Coefficient(~~coefficient should be unique or it can be redundant~~)
- ✧ Action(Edit/Delete)

❖ Coefficient is just a notation for a particular course which shows how important that course is and it can be used to calculate the average of marks obtained for particular course while generating grade-book for student.

❖ By clicking on "Edit" link, School admin will able to Edit information of Courses by selecting school levels and modifying course for them (e.g Maths,History,Physics,Chemistry,English) and click on update to save the modification.

❖ When professor will add Course material,school admin will get notification

❖ School Admin will be able add study material of the course. School admin/Professor will upload study material in document or PDF format,Mp4 and video(URL links),CD'S by selecting level and class.

❖ By clicking on "Delete" link, School admin will able to Delete the Courses.

❖ School admin will get notification when professor will add study material.

❖ Note:-Mobile Application will have only search and display features for course management.

FR– D 3.17 Attendance Management.

❖ School Admin is able to search and view Attendance/presence for student, Professor, employees with following details.

Course wise Attendance for student(*We need to show level wise, class wise and period wise attendance and for specific student period wise*)

❖ School admin will only view Student Period Attendance with

- ✧ Date
- ✧ Level
- ✧ class
- ✧ Course
- ✧ Professor

Daily Attendance for student

❖ School admin will view Student Daily Attendance with

- ✧ Date
- ✧ Level
- ✧ Class
- ✧ Save

❖ School Admin can export the attendance in PDF and Excel.

❖ A school admin should be able to have a macro vision on attendees so he should see a graphic representing all the months of the year and each month the total absences, if he click on a specific month, he can get a detailed view so he will view all days of the clicked months with total absences for each day, if he click on specific day he should be able to have a section vision, then a classes vision then the absents students.

❖ School admin is able to view the graphic representing all the months of the year and each month the total absences.

❖ When school admin clicks on particular month he can get detail of all student attendance list of that particular month according to the days present in that month.

❖ Once he click on particular day then he can view the details of students absent for that day.

❖ He will select year-->month-->day and date-->level-->class(section)-->students name-->number of absenty count.

Daily Attendance for Professor

- ❖ School admin will able to view,add & manage professor's Daily Attendance with
  - ✦ Professor Name
  - ✦ Select Date
  - ✦ Mark Attendance(present indicate with ->green,absent-> red, late mark ->yellow)
  - ✦ Save
- ❖ Here School Admin is able to view the attendance of all professor's in the school.
- ❖ School admin will able to view professor's monthly attendance.
- ❖ He will select year-->month-->day and date-->level-->class(section)-->teacher name-->number of absenty count to view absenty count of particular professor.

Daily Attendance management for employees

- ❖ School admin will able to view,add & manage employee's Daily Attendance with
  - ✦ Employee Name
  - ✦ Select Date
  - ✦ Mark Attendance(present indicate with ->green,absent-> red, late mark ->yellow)
  - ✦ Save
- ❖ School admin will manage attendance for employee with their name and attendance(present indicate with ->green,absent-> red, late mark ->yellow).
- ❖ By default all are presents so we will modify attendance just for absent/late persons.
- ❖ Note:-Mobile Application will have only search and display features for attendance management.

FR– D 3.18 Room Management

- ❖ Here in this section school admin is able to add and manage the rooms available in his school.
- ❖ when making school setup, a school admin will also add different existing rooms of the school.
- ❖ Here school admin will be able to add rooms according to floors available in the school.

  - ✦ Tag(e.g Building A)
  - ✦ Floor Number
  - ✦ Room Name

- ✧ Room Number
- ✧ Assign Level
- ✧ Assign Class

❖ Here school admin will View & Edit rooms assigned as follows

- ✧ Tag
- ✧ Floor Number
- ✧ Room Name
- ✧ Room Number
- ✧ Assign Level
- ✧ Assign Class.

❖ Tag field it will be used if the school have more than one building, so they can add text in tag field like "Building A".(~~Tag field is a building name~~)

❖ **Note:–So this change will be temporary and school admin will need to manage it at their end and for examination and teaching purpose their will be same rooms allocated** .

❖ School admin can be able to delete the rooms assigned.

❖ School admin can manage and assign the room to particular level and class.

❖ School admin will enter the count of total rooms available on particular floor,he can manage total assigned room and total pending rooms that needs to be assigned for examination or teaching purpose.

❖ School admin is able to assign room for exams where exams can be conducted for particular level->class.(~~When examination will be there whether there will be together for all or differently~~).(**examination will be manage differently as per scheduled by the school admin**)

FR– D 3.19 Assessment scale management

❖ School Admin is able to Add/Delete/Edit search and view Exam Assessment scale.

❖ School admin can add and create a scale having range as e.g (0 to 20),(0 to 30),(0 to 50) or like A,B,C ...

❖ While adding assessment scale he will first select course and add assessment scale for that course.

❖ Professor can select this scale(0 to 20) and then create exam based on that scale like (0 to 20) which means in that exam students will get marks in between 0 to 20.

❖ Professor can first select the scale type and then subject like(Mathematics,English..) and based on scale he will create a exam for students of particular level and class(section)

FR– D 3.20 Exam

❖ Here in this section school admin is able to Add Exam with following attributes

- ✧ Level
- ✧ class
- ✧ Exam Period(first quarter, second, third, final...)
- ✧ Exam Type(local, regional, free test)
- ✧ Professor Name
- ✧ Course Name (e.g English)
- ✧ Select assessment scale type(0–20,0–30 or A,B,C)
- ✧ Exam Name
- ✧ Exam Date
- ✧ Exam Time (here he will select exam start and end time)
- ✧ Exam Place (Here in this section there can be two scenarios like
     1.Add Exam room:– Here school admin can ,select room number & add the room name to allocate that room for exam which is within school premises.

     2.Write place name:–Here school admin can write the name of the place if the exam is outside school campus on other place.)
- ✧ Exam supervisor
- ✧ Exam Description
- ✧ Save

❖ By clicking on "View" link, School admin will able to View information of Exam.

- ✧ Level
- ✧ class
- ✧ Exam period
- ✧ Exam Type

- ✧ Professor Name
- ✧ Course Name (e.g English)
- ✧ Assessment scale
- ✧ Exam Name
- ✧ Exam Date
- ✧ Exam Time
- ✧ Exam Place
- ✧ Exam supervisor
- ✧ Exam Description

❖ Here school admin is able to search for exams by level,subject/course,place of exam.

❖ By clicking on "Edit" link, School admin will able to Edit information of Exam.

- ✧ Level
- ✧ class
- ✧ Exam period
- ✧ Exam Type
- ✧ Professor Name
- ✧ Course Name (e.g English)
- ✧ Assessment scale
- ✧ Exam Name
- ✧ Exam Date
- ✧ Exam Time
- ✧ Exam Place
- ✧ Exam supervisor
- ✧ Exam Description
- ✧ Update

❖ By clicking on "delete" link, School admin will able to delete Exam.

❖ If a professor creates a new exam then he can request for his exam approval to school admin,school admin has an ability to approve or reject(Validate) that exam and notification will be sent to professor,student & parent.

❖ School admin is able to add both local and regional exam,but professor will only add local exams.

❖ When school admin creates the exam, notification will be sent to professor, student & parent.

❖ Note:–Mobile Application will have only search and display features for examination management.

FR– D 3.21 Tasks

❖ School Admin is able to Add/Delete/Edit search and view tasks with following details.

❖ He will be able to add tasks with following attributes.

> ✦ Select Role(student,professor,employee,parent)->Whom he can assign task.
> ✦ Level (Drop down)
> ✦ class (Drop down)
> ✦ Task Name
> ✦ Task submission Time
> ✦ Task Submission Date
> ✦ Task Priority (High,Medium,Low)
> ✦ Description
> ✦ Task Supervisor
> ✦ Add task button

❖ He will be able to search a tasks by task name, task submission date.

❖ School Admin will be able to assign tasks to the Employees or professor and he can also delete that task assigned.

❖ If school admin have assigned task to employee and professor then they can also have ability to update status of task.

❖ He will be able to manage task as follows.

> ✦ Select Role(student,professor,employee,parent)->Whom he can assign task.
> ✦ Level (Drop down)
> ✦ class (Drop down)
> ✦ Task Name
> ✦ Task Time
> ✦ Task Submission Date
> ✦ Task Priority (High,Medium,Low)
> ✦ Description
> ✦ Task Supervisor

- ◆ Status(Open,on hold,resolved,closed)
- ◆ Action(View,Edit,Delete)

❖ By clicking on "Edit" link, School admin will able to Edit tasks as.

- ◆ Select Role(student,professor,employee,parent)->Whom he can assign task.
- ◆ Level (Drop down)
- ◆ class (Drop down)
- ◆ Task Name
- ◆ Task Time
- ◆ Task Submission Date
- ◆ Task Priority (High,Medium,Low)
- ◆ Description
- ◆ Task Supervisor
- ◆ Status(Open,on hold,resolved,closed)
- ◆ Update

❖ By clicking on "delete" link, School admin will able to delete tasks created.

❖ If the task is created by professor then school admin is able to view that task but he can't edit that task created by professor,he will only view that task and he can filter the task added.

❖ Note:-Mobile Application will have only search and display features for task management.

FR– D 3.22 Stock Management

❖ In this section,School admin is able to manage stock.

❖ In this section he will be able to Add, edit, delete, search and view products in the stock.

❖ Either school admin will add stock or he can assign this task to any of the employee and they can take care of stock & can manage it.

❖ School admin will be able to view the details of stock like:

❖ **Received stock(Add):**

- ❖ Here in this section school admin can manage received inventory product as follows.

  - ✧ Product Name
  - ✧ Product id
  - ✧ Image
  - ✧ Date created
  - ✧ Price/cost
  - ✧ Quantity
  - ✧ ~~Status Active/inactive~~(What is the purpose of this)

- ❖ After receiving inventory the inventory manager will be able to search and check and manage the received inventory with its quantity.

- ❖ **Distributed stock**:

  - ✧ Product name(e.g paper,pens,product household)
  - ✧ Level
  - ✧ class
  - ✧ People(student,professor,library..)
  - ✧ Quantity distributed
  - ✧ Stock availability(here school admin can view stock available after distribution of products to students)
  - ✧ Date of distribution
  - ✧ ~~Status Active/inactive~~(There is no need to active,inactive distributed stock)

- ❖ After distributing stock the stock manager will be able to search and check and manage the distributed stock with its quantity and after distribution the remaining quality of stock will be automatically calculated by the system.

- ❖ By clicking on "delete" link, School admin will able to delete particular stock details.

- ❖ Note:–Mobile Application will have only search and display features for stock management.

FR– D 3.23 Document Management

❖ Here in this section School Admin is able to View Documents added by parents of their kid.

❖ The documents can be as follows:
  ✧ Certificates
  ✧ Achievements
  ✧ Payment receipt
  ✧ Application
  ✧ Examination form

❖ School Admin is able to view documents with following details.

❖ He can search for documents of particular student by entering level and class,then he will get the list of student with their detail document added.
  ✧ Level
  ✧ Class
  ✧ Student name
  ✧ Student Id
  ✧ Name of document Added.

❖ Documents can be in PDF or Image format(jpeg or png).

FR– D 3.24 News

❖ Here in this section School admin will able to add news with following details
  ✧ News Title
  ✧ Date of Adding
  ✧ Time of Adding

- ✧ News image(if any)
- ✧ Files(MP4,PDF,Doc,video(URL links)
- ✧ News Description
- ✧ New Publish Date(start date,End Date)
- ✧ News Publish Time(Start time,End Time)
- ✧ Save

- ❖ News can be prepared in advance, so when creating a news we should be able to define a time to send the news (for example we are on 12/02/2018 and we need to send a news on 21/02/2018 at 09:00 AM so we can define this slot for the news to be sent automatically.
- ❖ He will be able to search for news with news title,date and time of adding.

- ❖ By clicking on "View" link, School admin will able to View news with following details.

  - ✧ News Title
  - ✧ Date of Adding
  - ✧ Time of Adding
  - ✧ News image(if any)
  - ✧ Files (MP4,PDF,Doc,video(URL links))
  - ✧ News Description

- ❖ Note:–Mobile Application will have only search and display features for news management.

- ❖ By clicking on "edit" link, School admin will able to edit news with following details.

  - ✧ News Title
  - ✧ Date of Adding
  - ✧ Time of Adding
  - ✧ News image(if any)
  - ✧ Files(MP4,PDF,Doc,video(URL links))
  - ✧ News Description

- ❖ By clicking on "delete" link, School admin will able to delete news created.

FR– D 3.25 Club

❖ School Admin is able to Add Club with following details.

   ✧ Club Name
   ✧ Club ID
   ✧ Club Supervisor
   ✧ Club place
   ✧ Club Type(Paid,free)
   ✧ Club membership Fees
   ✧ Club Description
   ✧ Create club

❖ If he add a club member having paid Club Membership type then there arise a field where he can enter the club membership amount.

➢ **School admin will add this club dynamically and any time and payment mode will be**.

   ◆ **Wire–transfer**
   ◆ **Cheque**
   ◆ **Online Payment**
   ◆ **cash**

❖ He will be able to search using various fields as follows:

   ✧ Club Name
   ✧ Club Supervisor
   ✧ Club place

❖ By clicking on "View" link, School admin will able to View Club with following details.

   ✧ Club Name
   ✧ Club ID
   ✧ Club Supervisor
   ✧ Add Students
   ✧ Club place
   ✧ Club Type(Paid,free)
   ✧ Club membership Fees
   ✧ Club Description

- School admin will be able to select level and class in "Add student" field and according to that he can get list of students of that level and then he can add multiple students to that club.
- One Student can be assigned to multiple clubs.
- Club supervisor can be a professor or any employee.
- By clicking on "Edit" link, School admin will able to Edit club with details.

  - Club Name
  - Club ID
  - Club Supervisor
  - Club students
  - Club place
  - Club Type(Paid,free)
  - Club membership Fees
  - Club Description

- By clicking on "delete" link, School admin will able to delete clubs created.

- **For e.g club "A" consist of 12 member then all members of the club "A" can see the other assigned members of club "A".**

FR– D 3.26 Transport

Here in this section school admin is able to add bus,manage bus route and assign students in bus.

FR– D 3.26.1 Bus

- School Admin is able to Add,Edit,Delete search and view Bus with following details.

- School Admin will also be able to add a bus with following attributes.

  - Bus Driver Name
  - Bus Number
  - Bus Plate Number
  - Bus Capacity

◆ Action(Save)

❖ He will be able to search using various fields as follows and he will get bus listing including below fields:

  ◆ Bus Number
  ◆ Bus Plate Number
  ◆ Bus Driver Name

❖ By clicking on "View" link, School admin will able to View Bus with following details.

  ◆ Bus Driver Name
  ◆ Bus Number
  ◆ Bus Plate Number
  ◆ Bus Capacity
  ◆ Action(Edit)

❖ In Bus details page there will be "Assign driver" button from where school admin can be able to assign driver to the particular bus.

❖ School admin can also export all the details of particular bus in PDF and Excel Format.

❖ By clicking on "Edit" link, School admin will able to Edit bus details with following details.

  ◆ Bus Driver Name
  ◆ Bus Number
  ◆ Bus Plate Number
  ◆ Bus Capacity
  ◆ Update

❖ While adding a bus school admin also add the bus driver name,i.e he assign a driver to that bus.
❖ One bus will get assigned one driver.
❖ He cannot add multiple drivers to a single bus.
❖ There is no tracking feature for bus module.
❖ By clicking on "delete" link, School admin will able to delete bus created.

FR– D 3.26.2 Bus route

❖ School Admin is able to Add,Edit,Delete search and view students in bus with following details.

❖ School admin will able to Add bus route details with following attributes.

  ◈ Enter Route Name
  ◈ Enter Start Location
  ◈ Enter End Location
  ◈ Select Bus
  ◈ Select Pickup/Drop Location(using Google Map)
  ◈ Add route button

❖ He will be able to search route using various fields as follows:

  ◈ Route Name
  ◈ Route Start Point
  ◈ Route End Point

❖ By clicking on "View" link, School admin will able to view bus route listing assigned to Bus with following details.

  ◈ Route Name
  ◈ Start Location
  ◈ End Location
  ◈ Pickup/Drop Location(using Google Map)

❖ By clicking on "Edit" link, School admin will able to Edit bus route details with following attributes.

  ◈ Enter Route Name
  ◈ Enter Start Location
  ◈ Enter End Location
  ◈ Select Bus
  ◈ Select Pickup/Drop Location
  ◈ Update route

❖ As per your requirement you want auto path assigning feature to bus according to the address of student when School admin adds students according to their address and using path algorithm the path gets assigned to bus automatically according to student pick up location.(If this is possible and google API

allows us to add multiple number of locations then we will do this otherwise we will go with second case as follows (*As per our discussion in meeting we are going to assign student to bus manually*)

- ❖ By clicking on auto route assign button School Admin is able to auto assign route to the bus.
- ❖ There will be route reset button, (so if we consider that a bus can have max 50 positions so we can do 2 requests to build the complete route for all 50 students on a single bus, by clicking on reset route once we have added 25 students (as API Service provides us to add 25 positions max including start and end points.
- ❖ In second case the school admin will create route for every bus and this bus route will be fixed and as per the bus route ,the students living on that route having pick up and drop location on that route will be assigned to that bus.

- ❖ Multiple buses can be assigned to same route.
- ❖ *Note:-So the bus will start from the longest student distance and the end point of the bus will be school.and client will provide us API regarding same.we will design the logic based on API details.*
- ❖ *In student address we will capture the pick up point and drop location with longitude and latitude and the complete development will be subject to API.*

FR– D 3.26.3 Students in bus

- ❖ School Admin is able to Add,Edit,Delete search and view students in bus with following details.

- ❖ School Admin will also be able to add a student in bus with following attributes.
  - ✧ Student Name
  - ✧ Student Level/class
  - ✧ Student pickup location
  - ✧ Bus route
  - ✧ Bus Number
  - ✧ Transportation Type(Pick-up,drop-up,both)
  - ✧ Student National Id
  - ✧ Save

- ❖ School admin is able to add multiple student in bus at once using bulk upload feature.)(need to explain client)
- ❖ School admin will be able to add students in bus who have paid bus fees.

- ❖ He will be able to search Students in bus using various fields as follows:

  - ◆ Student Name
  - ◆ Student Level/class
  - ◆ Student pickup location
  - ◆ Bus route
  - ◆ Bus Number

- ❖ By clicking on "View" link, School admin will able to View students assigned to Bus with following details.

  - ◆ Student Name
  - ◆ Student Level/class
  - ◆ Student pickup location
  - ◆ Bus route
  - ◆ Bus Number
  - ◆ Transportation Type(Pick-up,drop-up,both)
  - ◆ Student National Id
  - ◆ Action(Edit)

- ❖ By clicking on "Edit" link, School admin will able to Edit bus students details with following details.

  - ◆ Student Name
  - ◆ Student Level/class
  - ◆ Student pickup location
  - ◆ Bus route
  - ◆ Bus Number
  - ◆ Transportation Type(Pick-up,drop-up,both)
  - ◆ Student National Id
  - ◆ Update/Save

- ❖ By clicking on "delete" link, School admin will able to delete students added in bus.

FR– D 3.27 Canteen

FR– D 3.27.1 Add Canteen staff

- ❖ Here in this section school admin is able add canteen staff details with following attributes

- ✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
- ✧ Position(Supervisor,manager,staff)
- ✧ Staff Id
- ✧ Name
- ✧ National ID
- ✧ Email Id
- ✧ Mobile No
- ✧ Date of Birth
- ✧ Gender(Male,Female)
- ✧ Status
- ✧ City
- ✧ Address
- ✧ Map location
- ✧ Nationality
- ✧ Qualification degree
- ✧ save

❖ School admin is able to add multiple staff details at once using bulk upload feature.

❖ He will be able to search canteen staff using various fields as follows:

- ✧ Staff Id
- ✧ Name
- ✧ Email
- ✧ Role(position)

❖ By clicking on "View" link, School admin will able to view canteen staff listing with following details.

- ✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
- ✧ Position(Supervisor,manager,staff)
- ✧ Staff Id
- ✧ Name
- ✧ National ID
- ✧ Email Id
- ✧ Mobile No
- ✧ Date of Birth
- ✧ Gender(Male,Female)
- ✧ Status

- ✧ City
- ✧ Address
- ✧ Map location
- ✧ Nationality
- ✧ Qualification degree
- ✧ save

❖ School Admin will also be able to Export this details in PDF and Excel format.

❖ By clicking on "Edit" link, School admin will able to Edit canteen staff details with following attributes.
- ✧ Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
- ✧ Position(Supervisor,manager,staff)
- ✧ Staff Id
- ✧ Name
- ✧ National ID
- ✧ Email Id
- ✧ Mobile No
- ✧ Date of Birth
- ✧ Gender(Male,Female)
- ✧ Status
- ✧ City
- ✧ Address
- ✧ Map location
- ✧ Nationality
- ✧ Qualification degree
- ✧ Update

❖ Block/Unblock or Canteen staff.

❖ By clicking on "delete" link, School admin will able to delete the canteen staff added.

FR– D 3.27.2 Canteen product

❖ School Admin is able to Add,Edit,Delete search and view canteen products with following details.

❖ Here in this section School admin will able to Add the canteen products details with following attributes.

- ✧ product Picture (Select Image allowed only JPG, JPEG and PNG image)
- ✧ product Id
- ✧ product Name
- ✧ Product Type (drink, meat, bread…)
- ✧ product Description
- ✧ product Price
- ✧ Add

❖ He will be able to search product using various fields as follows:

- ✧ product Name
- ✧ Product Type (drink, meat, bread…)
- ✧ product Price

❖ By clicking on "Edit" link, School admin will able to Edit the canteen products details with following attributes.

- ✧ product Picture (Select Image allowed only JPG, JPEG and PNG image)
- ✧ product Id
- ✧ product Name
- ✧ Product Type (drink, meat, bread…)
- ✧ product Description
- ✧ product Price
- ✧ Update

❖ By clicking on "delete" link, School admin will able to delete products.

FR– D 3.27.3 Canteen meal and its schedule

❖ School Admin is able to Add,Edit,Delete search and view canteen meals.

FR– D 3.27.3.1 Weekly Meal schedule

❖ If school admin want to create or update 'Weekly Meals Schedule', first he need to choose day then enter their 'weekly Quantity' and click on save button to save the meal schedule.

- ❖ School admin will be able to add the the weekly canteen meal schedule by clicking on the "add weekly meal button"

- ❖ He will be able to add meal schedule using various fields as follows:

  - ✧ Product Type
  - ✧ product Image
  - ✧ product Id
  - ✧ product Name
  - ✧ product Price
  - ✧ Quantity
  - ✧ Action(Delete)

- ❖ He will be able to search meal schedule using various fields as follows:

  - ✧ Product Type
  - ✧ product Name
  - ✧ product Price

- ❖ He will be able to view meal schedule using various fields as follows:

  - ✧ Product Type
  - ✧ product Image
  - ✧ product Id
  - ✧ product Name
  - ✧ product Price
  - ✧ Quantity
  - ✧ Action(Delete)

- ❖ School Admin will also be able to print this details.

- ❖ By clicking on "Edit" link, School admin will able to Edit meal schedule.

- ❖ By clicking on "delete" link, School admin will able to delete meal schedule.

FR– D 3.27.3.2 Daily Meal schedule

❖ If school admin want to create or update 'Daily Meals', first he need to choose date then enter their 'Daily Quantity' and click on save button.

◆ Product Type
◆ product Image
◆ product Id
◆ product Name
◆ product Price
◆ Weekly Quantity
◆ Enter Daily Quantity
◆ Stock Sold
◆ Status(Active/inactive)
◆ Action(View/Manage,delete)

❖ By clicking on "view" link, School admin will able to view daily meal schedule.

❖ By clicking on "Edit" link, School admin will able to edit daily meal schedule.

❖ By clicking on "delete" link, School admin will able to delete daily meal schedule.

❖ Note:–Mobile Application will have only search and display features for meal schedule management.

FR– D 3.27.3.3 Manage canteen booking

❖ In this section School admin will be able manage(View) canteen booking.

❖ School admin can filter the canteen booking done by selecting the person role(Teacher,Student,Parent)

View Booking details

- ❖ School Admin will be able to view booking details as follows
    - ➢ Order ID
    - ➢ Name
    - ➢ Order Date
    - ➢ Order type
    - ➢ Bill Total
    - ➢ Action(View)

- ❖ By clicking on "view" link, School admin will able to view canteen bookings as.

    - ➢ Order ID
    - ➢ Name
    - ➢ National Id
    - ➢ level
    - ➢ class
    - ➢ Product Name
    - ➢ Quantity
    - ➢ Order Date
    - ➢ Order type(cash,online)
    - ➢ Delivery status
    - ➢ Payment status
    - ➢ Bill Total

FR– D 3.28 Canteen Manager

- ❖ **School Admin will provide login details to the manager,so that canteen manager can handle the canteen module.**

- ❖ Canteen manager will be able to handle the canteen stuff.

- ❖ Canteen manager will be able to add & manage the canteen staff.

- ❖ Canteen manager will be able to add and manage(Search,view,edit,delete) the canteen products same as school admin can.

- ❖ Canteen manager will be able to add and manage(Search,view,edit,delete) weekly meal schedule for canteen same as school admin can.

❖ Canteen manager will be able to add and manage(Search,view,edit,delete) Daily meal schedule for canteen same as school admin can.

FR– D 3.28.1 Canteen booking

❖ Canteen manager will be able to manage canteen booking as follows:

❖ Canteen manager will be able to **Order**.

❖ Here canteen manager will be able to view the listing of canteen products with following details:

   ➢ Product Image
   ➢ Product Name
   ➢ Product description
   ➢ Quantity
   ➢ Price
   ➢ Action(Add to cart)

❖ Here canteen manager will be able to add products to the cart from where he will be able to confirm booking from cart bag.
❖ From cart where he will be able to view the product Name,Quantity.
❖ He can Empty the cart or he can delete the food item from cart.
❖ Canteen manager can add multiple products in the cart and he will confirm booking from cart choosing payment type.
❖ Canteen manager can select his payment type as cash payment.
❖ Here canteen manager can add National id to distinguish between the users while cash payment.
   ➢ Product Name
   ➢ Quantity
   ➢ Price
   ➢ Total Price
   ➢ Action(Add booking)

FR– D 3.28.2 Manage cash Canteen Order

❖ Manager is able to manage(View) cash booking of canteen as follows
❖ Manager will first select role an then he can view booking details

> Order ID
> Name
> Order Date
> Bill Total
> Delivery status
> Payment status
> Action(View)

❖ By clicking on "view" link, Canteen manager will able to view cash bookings as.

> Order ID
> Name
> National Id
> level
> class
> Product Name
> Quantity
> Order Date
> Delivery status(Pending, delivered)
> Payment status(Pending,done)
> Bill Total

Canteen manager is able to change the status of order product from here.

FR– D 3.28.3 Manage Online Order

❖ Manager is able to manage(View) Online booking of canteen products as follows
❖ Manager will first select role an then he can view booking details

- ➤ Order ID
- ➤ Name
- ➤ Order Date
- ➤ Bill Total
- ➤ Delivery status
- ➤ Payment status
- ➤ Action(View)

❖ By clicking on "view" link, canteen manager will able to view Online bookings as.

- ➤ Order ID
- ➤ Name
- ➤ National Id
- ➤ level
- ➤ class
- ➤ Product Name
- ➤ Quantity
- ➤ Order Date
- ➤ Delivery status
- ➤ Payment status
- ➤ Bill Total

Note:–Here in canteen module only system related members will be able to book canteen products.

FR– D 3.29 Library materials

Add book category

❖ School admin will be able to add & manage the library materials category with "category name" & ~~"section code"~~ and click on save to save that category.

❖ He can view the listing with added categories.

Add books

❖ School Admin/library staff will be able to add books with attributes as follows:
  ◈ Add Books,CD's(CD name)
  ◈ Purchase Date
  ◈ Bill No
  ◈ Book ISBN No.
  ◈ Book No.
  ◈ Title
  ◈ Author
  ◈ Edition
  ◈ Book Category
  ◈ Publisher
  ◈ No.of Copies
  ◈ Shelf No
  ◈ Book Position
  ◈ Book Cost
  ◈ ~~Loan Amount~~
  ◈ save

❖ He will be able to search for the books with following details,and view the listing of added books with details like Book ISBN No,Book No,Title Author,status(available or not),Book Edition Date.

❖ *According to adding CDs and desertation fields will be vary and those fields will be provided by client.*

Issue books/~~Loan books~~

❖ School Admin/library staff will be able to manage books issued with attributes as follows:

- ✧ Search for book using (Book ISBN No. ,Book No.,Title, Author)
- ✧ User Type
- ✧ User Id(Student Id/Employee Id)
- ✧ Book Issue Date
- ✧ Due Date
- ✧ ~~Loan amount~~(If any)
- ✧ Save & create

❖ He will be able to view and manage issued books by searching for a book by book number & manage the renewal of books.

❖ He will be able to view the detail listing with all the fields like:

- ✧ User Type
- ✧ User Id
- ✧ Book no
- ✧ Title
- ✧ Book issue date
- ✧ Book due date
- ✧ Search for book using (Book ISBN No. ,Book No.,Title, Author)
- ✧ Book Issue time
- ✧ Due Date
- ✧ Save & create

❖ ~~School admin or library staff can add and assign details of loan amounts on books and student can be able to issue that book on loan amount.~~

❖ Note:–Mobile Application will have only search and display features for loan book management.

Books returned

❖ School admin will be able to view and manage books returned by students.

❖ School admin will be able to search for books returned by using search criteria as

    ◇ Book ISBN No.

    ◇ Book No.

    ◇ Title

    ◇ Author ~~(if user will not return the issue book on time then what will happen)~~

❖ School admin can renew the book status by updating the dates using the edit option.

❖ School Admin will be able to view whole students list who returned books with all details as

    ◇ User Type

    ◇ User Id

    ◇ Book ISBN No.

    ◇ Book No.

    ◇ Title

    ◇ Author

    ◇ Action(View)

❖ ~~There's also student dissertation(In printed format) and CD'S that librarian can add to the system and fields will change accordingly.(Fields we need to confirm)~~

FR– D 3.30 Payment Management

❖ Here in this section School Admin is able to view,add,edit,search,and display payments.

Add Main fees

    ◇ Here in this section school admin is able to set the fees category by selecting the fees included in Academic year for that particular school from the set of categories defined by super admin.

    ◇ Fees Heading includes(Here he will select fees categories for his school)

        ◆ Tuition fees

        ◆ Event fees

        ◆ library fees

        ◆ Club Membership fees

❖ Here in this section school admin is able to create new fees structure for students with details as follows.

- ✧ Academic year
- ✧ ~~Student Name(Need to remove)~~
- ✧ Student level
- ✧ Frequency(Quarterly,Annually,monthly,bimonthly)
- ✧ Fees Heading includes(Here he will enter the amount for each fees heading)
  - ◆ Tuition fees
  - ◆ Event fees
  - ◆ library fees
  - ◆ Club Membership fees
- ✧ He can also set whether the fee is compulsory or not.
- ✧ Enter Amount
- ✧ Action(save)

❖ School admin can also take a print of fees structure created.

Bus Transport fees

- ✧ ~~Student level~~
- ✧ ~~Bus Type~~
- ✧ Pick up
- ✧ Drop up
- ✧ For both pick up and drop up
- ✧ Transport Amount(100,200 ..)
- ✧ Action(Save)

❖ School admin is able to manage(edit, view) the fee structure created by selecting level.

❖ School admin is able to view the fee structure with all the details including Main fees,bus transport fees and brotherhood discount if any.

❖ School admin is able to view the student school fees by selecting level and class and he will be able to view the students list as follows:
- ✧ Academic year

◇ Frequency

◇ Level

◇ Class

◇ Student Name

◇ National Id

◇ Parent name

◇ Fees amount

◇ Status(fees paid,Unpaid)

◇ Action(View)

❖ School admin can check and manage the total received and pending payment amount for students

❖ By clicking on "delete" link, School admin will able to delete fees details.

❖ School admin can create a new payment of a parent for a student for a given period, an automatic notification is sent by email to parents following a payment made, a reminder is sent in advance.

Add Manual fees

❖ In this section School admin is able to accept the student fees manually by cheque,cash or wire transfer.

❖ Here school admin will search for the student fee record by selecting level and student National Id.

❖ From which he can view detail fees record of that student including Main fees,bus fees,brotherhood benefit and payment method used.

❖ He can choose bus type i.e (pick up,drop up,For both pick up and drop up).

❖ He can check whether that student had paid which fees and which fees are remaining to pay.

❖ School admin can select the payment method here i.e via cheque or cash or wire transfer.

   ❖ If he selects the cheque then he needs to enter the Bank name,cheque number and Account Holder Name.

   ❖ If he selects wire transfer then he will upload the receipt of payment done by that particular parent.

❖ When parent make payment,school admin will be able to view parent payment details and he will be able to download and print the receipt of payment(paper format).

❖ When a parent make's payment,system will automatically generate the receipt form in pdf format and that is sent to the particular parent by email (automatically).

❖ An automatic notification is sent by mail to parents following a payment made, a reminder is sent in advance for pending payment via Email~~(frequency is adjustable)~~ *client will provide a type list and also notification which are immediate and that does not require frequency*.

Payment methods -

❖ School admin is able to enable and disable the payment methods from the below described for his school as per his requirement.

- ✓ Online
- ✓ By Cheque
- ✓ Wire transfer
- ✓ Species(its the hard cash submitted by parents)

❖ **Payment Gateway**

- ✓ Wire transfer
- ✓ Paypal (~~Need to confirm~~)

Note:Client needs to be provide Payment gateway API.

❖ ~~System will store all details of user for next transaction so. user will not need enter all details again for next transactions.~~(For security issues we did not store users card details for next transactions)

FR– D 3.31 Suggestion Box

❖ In this section school admin is able to manage the suggestions given by student, professor, parent,employee.

❖ Here in this section school admin is able to view all the suggestions.

❖ School admin can view total number of suggestions by student, professor, parent,employee with suggestion count.

❖ He can choose that suggestion idea and implement it for his school if the idea is having better impact on school improvement, or otherwise.

❖ School admin is able to view the Suggestions as follows:
  ✧ Suggestion from
  ✧ Name
  ✧ Suggestion subject
  ✧ Suggestion Category
  ✧ Suggestion description
  ✧ Date
  ✧ Action(Accept,Reject,Raise poll)

❖ If School admin accepts the suggestion,it will get added in approved suggestion list with approved date or else will get deleted if rejected.

❖ School admin is able to view the Approved suggestions as follows:
  ✧ Name
  ✧ Suggestion Subject
  ✧ Suggestion Description
  ✧ Approved Date
  ✧ Action(Accepted)

❖ Otherwise School admin can decide to take others opinion before implementing that suggestion for his school.

❖ To raise a suggestion for poll School admin will need to fill following attributes as he clicks on raise poll button

> ➢ Select poll duration(drop down)
>
> ➢ Raise for poll(button)

❖ When a School admin raise a suggestion for polling he can set the visibility criteria for suggestion to be visible for voting purpose to different stakeholders.

❖ School admin can select the User type who can be Able to participate in that poll,Here he can select multiple members who can participate in pole.

❖ As school Admin sets the visibility members then that stakeholders will get notified and they can participate in that poll and click on (like,dislike button) to give their votes on that suggestion.

❖ School admin can manage and view the suggestions with.

> ✧ User type(role)
>
> ✧ Suggestion Subject
>
> ✧ Suggestion Category
>
> ✧ Suggestion Description
>
> ✧ Suggestion given date.
>
> ✧ Poll Status(raised or not)
>
> ✧ Pole count(like,dislike hit counts)
>
> ✧ Action (Accept,reject)

❖ If a school Admin enters 7 days for an example then it will be validate for voting for max 7 days and so on.

❖ Once the School admin raised a suggestion for polling,Only the users set as visibility by school admin can participate in that poll and give their votes.

❖ As the polling validity is finished then School admin will be able to get the pole count.

❖ Based on the positive count of polls school admin will take the decision whether to accept or reject the suggestion.

❖ Note:–Mobile Application will have all features for suggestion box as mentioned above.

FR– D 3.32 Survey Management

❖ School admin will be able to create the Survey questions for professor,student,parents,Employee.

❖ School admin should be able to add header image and a title and a description of the survey.

❖ Multiple role selection is possible (for e.g School admin can create a survey for parents and students).

❖ School admin is able to create survey questions for student,professor, parent,employee he will select role when he creates the survey for particular stakeholder.

❖ He will type the questions (max 10 questions) with start date and end date and click on submit, to create the survey.

❖ School admin is able to view survey response from professor, student ,parent,employee.

❖ Survey questions can be check–box type or descriptive questions(submit response by description(short answer)) or multiple choice type.

❖ School admin can edit/delete survey questions,while creating it once he submit the survey he cannot be able to edit or delete the survey questions.

❖ If the survey questions are related to professor then professor will get notification and he will check it and he will add his response and submit his answer to that question.

❖ If the survey questions are related to student then student will get notification and he will check it and he will add his response and submit his answer to that question.

❖ If the survey questions are related to parent then parent will get notification and he will check it and he will add his response and submit his answer to that question.

❖ If the survey questions are related to employee then employee will get notification and he will check it and he will add his response and submit his answer to that question.

❖ Note:–Mobile application will have only search and display function for survey management.

FR– D 3.33 Brotherhood Management

❖ In this section school admin or school management team offers a discount for their existing students parents

regarding fees.

❖ Parent can add their kids to school and if they have more kid than one ,then first kid will need to pay whole amount of fees on admission of first kid.

❖ If they want to do admission of their second kid in the same school then they would get a discount of (e.g 20%(For second kid),30 % (for third kid) such like to maintain the brotherhood(fraternity rule defining the rate of reduction for each child from the second child).

❖ Here in this section school admin is able to add & manage brotherhood discount as follows:
   ✧ Enter Kid Number
   ✧ Enter Discount amount.
   ✧ Action(Add)

❖ Here in this section school admin is able to view who are getting benefits of brotherhood beneficiary by selecting level and class he will be able to view detail list as follows
   ✧ Parent Name
   ✧ Kid list(2nd,3rd..)
   ✧ Level
   ✧ Class
   ✧ Student National Id
   ✧ Discount
   ✧ Action(View)

❖ Amount of discount will be added by school admin.

❖ Above 5 kids the discount amount will be same.

FR– D 3.34 Claim

❖ School admin is able to enable or disable this module for his school.
❖ School admin is able to view the claim.
❖ He can search for claim by student name,level,class.
❖ He will be able to view the claim request created by professor with fields as

- ✧ Professor name
- ✧ Level
- ✧ Class
- ✧ Student name
- ✧ Student national id
- ✧ Parent national id
- ✧ Claim title
- ✧ Claim description.
- ✧ Action(Validate(approve/reject)).(If enabled claim module)

- ❖ When school admin validates the claim created by professor then notification will be sent to professor and parent and parent can view claim against his student .

FR– D 3.35 Grade–book Management

- ❖ Here in this section school admin will decide to generate the gradebook for each student.
- ❖ For every quarter,second or third, a gradebook can be generated for each student by school admin.
- ❖ When a school admin want to generate gradebooks he can choose a year, a exam period, level,class.
- ❖ After selecting above mentioned details School admin will get student list with details as
  - ✧ Student National Id
  - ✧ Parent Name
  - ✧ Student name
  - ✧ Student id
  - ✧ Action(Generate grade book)
- ❖ School admin is able to add regional exam as per the dates provided by state board,and as well he will get results for that exam.School admin will upload that results for regional exam.
- ❖ Gradebook will contain various attributes as follows:
  - ✧ Student name
  - ✧ Birth date
  - ✧ Student id

- ✧ Student rank
- ✧ Doubling(yes,no)
- ✧ Parent Name
- ✧ Professor name
- ✧ Subject name
- ✧ Coefficient of subject
- ✧ Average marks of the student
- ✧ Min marks of the class
- ✧ Min Average marks of the class
- ✧ Total average marks of the class
- ✧ Max average marks of the class
- ✧ Enter Regional Marks for each course
- ✧ General Appreciation by Professor
- ✧ Total of absences
- ✧ Total count of late

❖ Last part (on the bottom of gradebook) contain general appreciation of the school,School admin can add general appreciations for each student.

❖ School admin can also add & manage other fields at the very bottom left corner of gradebook and that fields are as follows felicitations,Compliment,Encouragements,work warning,discipline warning.

❖ School admin is able to generate the gradebook for each student for every quarter using an algorithm it will work and calculations will take place to generate that gradebook for student.

❖ School admin is able to generate the PDF of gradebooks created and he can take print of gradebooks generated.

FR– D 3.36 Reports

❖ School admin can generate reports as follows:

❖ Payment reporting (school admin should be able to select period, parent (or all parents) and then generate the report).

❖ Attendees reporting, a school admin can choose period, population (students, professors, employees... or all).

❖ Exams reporting, a school admin can choose period, subject, status (Approved,canceled...), the report should contain the exam, professor, subject, status, date...

❖ People reporting, a school admin can generate a listing of stakeholders, he can choose population type (students, parents... or all)

❖ Admission reporting, a school admin can generate admission listing, he can choose a period.

❖ Examination mark reporting, a school admin can generate examination marks, he can choose a period, a student (or all), a subject (or all)

❖ Stock reporting, a school admin can generate a stock reporting

FR– D 3.37 Add and Manage Technical

❖ **School Admin is responsible to Add and manage Technical.**

❖ **School Admin will provide login details to technical.**

      ✦ **Profile Picture**
      ✦ **Name**
      ✦ **National ID**
      ✦ **Nationality**
      ✦ **City**
      ✦ **Address**
      ✦ **Map location(to show his address location on map)**
      ✦ **Technical Id**
      ✦ **Date of Birth**
      ✦ **Gender**
      ✦ **Status**
      ✦ **Years of Experience**
      ✦ **Telephone No**
      ✦ **Mobile No**
      ✦ **Qualification Degree**
      ✦ **Status (Active/Inactive)**
      ✦ **Action (View)**

❖ **Technical will have authority to access those modules which is assign by school admin like manage modules(enable,disable),manage SMS(enable,disable).**

FR– D 3.37 Log out

❖ School Admin clicks on log out button,From here he can log out from his account safely and successfully.

FR D.4 Professor

FR– D 4.1 Professor Login

❖ School admin/principal add professor into the system and provide login details to professor to login into the system. Professor will login into the system and redirect to the dashboard.

❖ After login professor will able to use the features and functionality of the system.

FR– D 4.2 Forgot Password

❖ Professor can request for password if he has forgotten password.

❖ If Email details found in database for the particular Email address then Email will be sent to that Email address with appropriate reset password link and professor can reset his password from there.

FR– D 4.3 Professor Dashboard

❖ Here in professor dashboard professor is able to view graphics including various details in graphical format as:

❖ Module that displays the evaluation of each Student for each subject over the year.

❖ Professor is able to view the school calender.(This is generic calender for all stakeholders).

❖ Professor is able to view the view timetable.*(related to that professor only)*

❖ A module that displays the status of attendance / absence of each student.*(count)*.

❖ A module that displays notifications (planned examinations come, homework, open survey, school notification …).

❖ Notification on replacements of teachers by school admin.(Related)

FR– D 4.4 Professor Account

❖ The logged professor can maintain his/her account, he/she can change the Edit profile, Password, and Profile Picture.

FR– D 4.4.1 Edit Profile

❖ Professor an edit his profile details

- ➢ Profile Picture
- ➢ Name
- ➢ Address
- ➢ Map location(to show his address location on map)
- ➢ National ID
- ➢ Nationality
- ➢ City
- ➢ professor Id
- ➢ Date of Birth
- ➢ Gender
- ➢ Status
- ➢ Years of Experience
- ➢ Telephone No
- ➢ Mobile No
- ➢ Qualification Degree(High School,Metric,Post Graduate,Others)
- ➢ Subject they teach(Course non editable)

❖ Professor will be able to edit his Email Id as follows:

1- As a Professor click on button to request a change his email on profile page .

2- The page display a message saying that a mail has been sent to user emails and he should check his email to make change.

3- Received email should contain a link that is valid for 24hours.

4- Professor click on the link and get redirected to a Page on the application prompting him to enter his new email address.

5- Professor enter new email and validate.

6- A message is displayed saying that change has been made and all notifications will be sent to new email

7- Professor is disconnected automatically from session and redirected to login page.

FR– D 4.4.2 Change Password

❖ Professor can change his Current Password.

❖ To change the password, professor need to follow the following steps.
  ➢ Enter current password – if the current password is match with enter password then able to enter new password.
  ➢ Enter new Password

  ➢ Reenter new password – if the new password is match with reentered password then able to change the password of his account.

  ➢ When Professor "Change their password" a notification should be sent by email informing the Professor.

FR– D 4.4.3 Notifications

❖ From the notification settings, professor will set which notifications he wants to receive and where to receive.

❖ Professor will receive following notifications
      ➢ New Event Added by school admin

- ➢ News added by school admin
- ➢ Replacement Notification (When a professor is replaced with other by school admin)
- ➢ Canteen Booking
- ➢ Homework status update notification
- ➢ School club notification (When School admin Makes a professor incharge of club)
- ➢ Material of course added by school admin
- ➢ Exam added or validated by school admin
- ➢ Task added by school admin
- ➢ Survey Created by school admin
- ➢ Message from a parent
- ➢ Claim (When school admin validate claim.)
- ➢ Suggestion notification (when a suggestion is validated by school admin so that professor can raise poll, or Other professor raised poll on suggestion)

- ❖ By default Professor will receive notification on Mobile Application.
- ❖ Professor will receive notifications on Application, Email and SMS.
- ❖ Professor should be able to view the details of notifications while clicking on view details.
- ❖ Professor should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification). (In case if user is not login he will not be able to directly link to his notification without login(kindly confirm).

- ❖ Professor will be able to delete the notifications that are older than Month,year and which are of no use.

Note – To receive notifications via SMS, system need to integrate SMS gateway. Client need to provide SMS gateway detail to integrate into the system.

FR– D 4.4.4 Message Not a Real time chat (chat system is only in between parent and professor and there will be only text messages)

- ❖ From the message section ,professor can send a message to parent.
- ❖ To send message to the parent, professor need to select level, class and student Id,parent name.
- ❖ Professor will be able to maintain message history with parents.
- ❖ Professor is able to delete the messages.
- ❖ Professor will be able to send a message via website and Application and parent will get notified when professor messages a parent.
- ❖ Professor will get notified when he gets reply from particular parent.

Note: chat system is only in between parent and professor and there will be only text messages.

FR– D 4.5 Add Course Material

❖ From this section, professor will able to add materials for the course. Materials will be in MP4, PDF format.

❖ Professor will upload material for the course. To upload the material, professor need to follow the below steps.

  ➢ Select level
  ➢ Select class
  ➢ Select subject
  ➢ Added Date
  ➢ Click on select file button
  ➢ Select file (MP4, PDF, Doc,video links)
  ➢ Upload

❖ Professor will get notification when school admin add course material

❖ Professor will provide the url links for the videos of his course which he needs to upload.

❖ Professor will not be able to edit the courses material added by school admin.

FR– D 4.6 Homework

❖ From the homework module, professor will able to create homework.

❖ To create the homework, professor will select the level then select the class and select the course.

❖ After selecting the course, professor will able to add home work for the selected course with following details.

  ➢ Select level
  ➢ Select class
  ➢ Date of adding
  ➢ Time of adding
  ➢ Description
  ➢ Due date
  ➢ Status(Pending,Completed,rejected)

❖ Professor will able to enter Due date of homework.

❖ ~~We will add a new module on clicking on view detail in home work listing we will get a student list and we will show status(Pending,complete,rejected) of the students there and remove from homework listing.~~

❖ We will add a new module on clicking on view detail in home work listing we will get a student list and we will show status(Pending,complete,rejected) of the students there and remove from homework listing.

❖ Professor will be able to add status(pending/completed/rejected) of homework,by default it will be pending.

FR– D 4.7 Timetable

❖ Here in this section professor is able to view the timetable which is added by school admin.

❖ Professor will select level and class and then he can view the timetable with all the periods.

❖ The timetable will describe the school start time, End time,breaks time, period start time,end time, name of the course in each period and the name of the course teacher for the whole week,

❖ Professor is also able to see the timetable on his dashboard.

FR– D 4.8 View School calendar

❖ Here in this section professor is able to view the weekly and monthly calendar with added Events and holidays .

❖ Here in this section professor is able to view the holidays added by school admin on calender.

❖ Here in this section professor is able to view the events added by school admin on calender.

❖ Professor is able to add and manage(edit,view,delete) his planned exams on calender.

FR– D 4.9 Attendance

FR– D 4.9.1 Student Attendance

❖ Professor will able to view and mark attendance of the student using website and mobile application. Using mobile application professor will make the attendance of students from into the class.

❖ By default all students are present and into the class room professor will make attendance of students and mark absent & late students attendance.

FR– D 4.9.2 Professor Attendance

❖ Here professor will able to only view his own attendance.

❖ Professor will able to view his attendance using web and mobile application.

FR– D 4.10 Exam

❖ From the exam section, professor will create the exam. To create the exam professor need to follow the below steps.

> ➢ Click on create exam button
> ➢ Level
> ➢ class
> ➢ Professor Name
> ➢ Exam Subject Name
> ➢ Select Assessment scale
> ➢ Exam Name
> ➢ Exam Date
> ➢ Exam Time
> ➢ Exam Type(Local test,free test)
> ➢ Exam period
> ➢ Exam Place
> ➢ Exam supervisor
> ➢ Exam Description
> ➢ Button(Save,Submit)

- ❖ Professor is able to edit and delete the exam created.

- ❖ Here professor will can save the exam created as draft.

- ❖ Professor is able to edit and delete the exam created before submitting to school admin.

- ❖ Professor can submit the exam created to the school admin to get that exam validated(Approved) from school admin.

- ❖ Professor will be able to create the exam of only his subject.

- ❖ Professor will not be able to create the regional type exam.

- ❖ Professor can create the exam having type(Local and free test).

- ❖ Professor will not be able to edit and delete the exam created after submitting for validation to school admin..

- ❖ professor will be able to view the Details of exam submitted as

  - ➢ Level
  - ➢ class
  - ➢ Professor Name
  - ➢ Exam Subject Name
  - ➢ Select Assessment scale
  - ➢ Exam Name
  - ➢ Exam Date
  - ➢ Exam Time
  - ➢ Exam Type
  - ➢ Exam period
  - ➢ Exam Place
  - ➢ Exam supervisor
  - ➢ Exam Description
  - ➢ Submit Status(yes/No)
  - ➢ Admin status (Approved/not approved)

- ❖ Once the exam is approved by the school admin then students and parents will get the notification,that professor has created exam of the course associated with him.

FR– D 4.11 Result

- ❖ The result section is to add the exam results of the students.
- ❖ Professor will add results of course exam for all students.
- ❖ To add results professor need to follow the below steps
  - ➢ Click on add result
  - ➢ Level
  - ➢ class
  - ➢ subject
  - ➢ Exam Name
  - ➢ Exam Date
  - ➢ Exam Time
  - ➢ Exam Type
  - ➢ Exam period
  - ➢ Exam Place
  - ➢ Exam supervisor
  - ➢ Exam Description
  - ➢ Upload marks in CSV format
  - ➢ Submit

- ❖ He will also be able to add obtained marks manually.
- ❖ Once the professor submit the result, School admin, Parent and Student will get the notification .

FR– D 4.12 Canteen

Canteen item details:

- ❖ Professor can search for canteen product using product name,price and he can sort food products as food and drinks.

Add Booking

- ❖ He will be able to view Food products of canteen with details listing as follow:

  - ✧ product Name
  - ✧ product Image
  - ✧ product description
  - ✧ product Price
  - ✧ Quantity

✧ Add to cart

❖ Professor will be able to add food item to cart from where he can confirm booking.

❖ From cart where he will be able to view the product Name,Quantity.

❖ Professor can Change the quantity of food item from cart.

❖ He can Empty the cart or he can delete the food item from cart.

❖ Professor can add multiple products in the cart and he will confirm booking from cart choosing payment type.

❖ Professor can select his payment type as cash payment or he can pay online by card.

❖ If professor choose the payment option as cash payment then here professor will confirm his order from here and he will pay at the time he will get product from canteen and that time only his delivery status will get changed.

❖ He can Edit his booking before checkout.

❖ Following information Professor needs to fill while making payment by card:

➢ Card Type
➢ Card Number
➢ Name on Card (Card Holder Name)
➢ Expiration Date
➢ CVV Number
➢ Acceptance of Terms & Conditions

❖ Professor is able to manage his booking.

❖ Professor will be able to view booking details as follows
➢ Order ID
➢ Product Name
➢ Quantity
➢ Order Date
➢ Order type
➢ Bill Total
➢ Delivery status
➢ Payment status
➢ Action(View)

View Booking details

❖ Professor will be able to view booking details as follows

- ➢ Professor Name
- ➢ National Id
- ➢ Product Name
- ➢ Quantity
- ➢ Order Date
- ➢ Order Time
- ➢ Order ID
- ➢ Bill Total
- ➢ Order type
- ➢ Delivery status
- ➢ Payment status
- ➢ Action(View)

FR– D 4.13 Task

- ❖ Here in this section professor is able to manage(Add,view,edit,delete) tasks for the students.

- ❖ Professor is able to add task with following details

  - ➢ Level (Drop down)
  - ➢ class (Drop down)
  - ➢ Task Name
  - ➢ Task Time
  - ➢ Task Submission Date
  - ➢ Task Priority (High,Medium,Low)
  - ➢ Description
  - ➢ Task Supervisor
  - ➢ Status(Open,on hold,resolved,closed)
  - ➢ Action(Add)

- ❖ When professor click on "view" link he will be able to view task with following attributes.

  - ➢ Level (Drop down)
  - ➢ class (Drop down)
  - ➢ Task Name
  - ➢ Task Time
  - ➢ Task Submission Date

> - Task Priority (High,Medium,Low)
> - Description
> - Task Supervisor
> - Status(Open,on hold,resolved,closed)

❖ Professor is able to edit the task with the fields as mentioned above.

❖ Professor is able to delete the task with the fields as mentioned above.

❖ School admin is able to view this task created by professor,but school admin cannot edit it.

FR– D 4.14 Manage news

❖ In this section professor will be able to search news with below fields

> - Date of Adding
> - Time of Adding
> - News Title
> - Action(View)

❖ When professor click on "view" link he will be able to view news description with following attributes.

> - News Title
> - Date of Adding
> - Time of Adding
> - News image(if any)
> - Files(MP4,PDF,Doc,video(url links))
> - News Description

❖ Professor will be able to download the News media added.

FR– D 4.15 Manage School club

❖ Here in this section professor is able to view his school club details.

> - Club Name
> - Club ID

- ➢ Professor Name
- ➢ Club Place
- ➢ Students in the club
- ➢ Club Membership type(free/paid)
- ➢ Membership Price
- ➢ Club Description
- ➢ Action(View)

❖ A professor should not be able to see affected members of other club if that professor is not a member of that club.

❖ A professor is only able to view the members of club for which he is supervisor.

FR– D 4.16 Student behavior management

❖ Here in this section professor is able to give a notation from 0 to 10 on a certain frequency, for example every week to each student on their behavior on this period, he can add comments about his notation.

❖ Professor is able to give notation to students on their behavior as follows:

- ➢ Select Period
- ➢ Select Level
- ➢ Select Class
- ➢ Subject name
- ➢ Student name
- ➢ Add Notation points(on behavior)
- ➢ Add Description/comments on notation.

❖ If the notation range is between 8–10 then it is considered as excellent behavior.

❖ If the notation range is between 6–8 then it is considered as good behavior.

❖ If the notation range is between 4–6 then it is considered as Average behavior.

❖ If the notation range is below 4 then it is considered as poor behavior.

FR– D 4.17 Suggestion Box

❖ Professor will add the suggestion to improve the school software.

❖ In the suggestion, professor will suggest to add any module or feature that improve the software performance.

❖ To provide suggestion professor need to enter

  ➢ Suggestion subject

  ➢ Suggestion Category

  ➢ Suggestion description

  ➢ Submit

❖ After submitting the suggestion, suggestion will be send to school admin for Approval.

❖ If School admin raised a suggestion for polling and set visibility for professor then all the professors will get notified and they can participate in that poll and click on (like,dislike button) to give their votes on that suggestion.

❖ Professor can view the suggestion with following details

  ➢ Suggestion created Date

  ➢ Suggestion subject

  ➢ Suggestion Category

  ➢ Suggestion description

  ➢ Poll status(Raised,Not raised)

  ➢ Poll duration

  ➢ Poll count

  ➢ Admin final Acceptance status.

  ➢ Action(View)

❖ On view he can see the above mentioned details.

❖ Professor is able to manage the suggestion as follows

  ➢ Suggestion created Date

  ➢ Suggestion subject

> ➢ Suggestion Category

> ➢ Suggestion description

> ➢ Poll status(Raised,Not raised)

❖ Professor will submit suggestion using web and mobile application.

FR– D 4.18 Manage Survey

❖ School admin will create the survey for Professor, Parent and Student,employee.

❖ Professor will get the notification when school admin will create survey for professor.

❖ Professor will open the survey and respond with answers of the survey questions.

FR– D 4.19 Claim/Report to Parent

❖ From the claim section, professor will create claim/report against the student(for e.g miss_behavior,incomplete homework issues).

❖ Professor will create the claim by selecting level,class,student name,student national Id, and claim with title and description and submit it .

❖ School admin can enable or disable this claim module.

❖ After creating the claim,claim will be sent to school admin, school admin will validate that claim and then only notification will be sent to parent and student.

❖ When the professor will create the claim against the student then parent will get the notification and view the claim/report created by professor.

❖ School admin will also receive the notification when a professor creates a claim/report against student.

FR– D 4.20 Log out

❖ Professor clicks on log out button,From here he can log out from his account safely and successfully.

Note:– All the features describe below will be working similar for mobile application for Student .

For mobile application,its mandatory for a Student to use "login id","password","school id(School id is used just first time, after that login and school id are stored on application and only password is needed to login to application if user log out)
(once login student will be able to view school ID from where student will be able to select his school id)
)",to get access since the application will be accessible on store & anyone can access it.(If we have other solution,rather than school id then we will implement that solution)

FR D.5 Student

FR– D 5.1 Student Login

❖ School admin/principal will add Student into the system and provide login details to login into the system. Student will login into the system and redirect to the dashboard.
❖ After login student will able to use the features and functionality of the system.

Field description	Type of character	Mandatory (Y/N)
Email Address	Alpha numeric & special character	Y
Password	Alpha numeric & special character	Y
Action	Button: Log In	Y

❖ By entering above mentioned details & by clicking on "Log In" button. Student will get logged in to the system.

FR– D 5.2 Forgot Password

❖ Student can request for password if he has forgotten password.

❖ When Student clicks on the "request" button there should not be a message saying that the address is incorrect or not found your Email address even if it doesn't exist on DB.

❖ There should be message saying Email will be sent to your Email address with appropriate reset password link and student can reset his password from there.

❖ If Email details found in database for the particular Email address then Email will be sent to that Email address with appropriate reset password link and student can reset his password from there.

FR– D 5.3 Student Dashboard

❖ Here in student dashboard student is able to view graphics including various details in graphical format as:

❖ A module that displays the average mark for each subject over the year.(need detail listing)

❖ Student is able to view the school calender,every student of particular level and class will be able to view the calender with information that concerns to that student.

❖ A student is able to view his school timetable.

❖ A module that displays notifications.

FR– D 5.4 Student Account

❖ The logged Student can maintain his/her account, he/she can change the Edit profile, Password, and Profile Picture.

FR– D 5.4.1 Edit Profile

❖ Student can edit

      ✧   Profile Picture (Select Image allowed only JPG, JPEG and PNG image)
      ✧   Name
      ✧   Student Id   (Non editable)
      ✧   Parent National Id (Non editable)
      ✧   National ID (Non editable)
      ✧   Email Id
      ✧   Date of Birth (Non editable)
      ✧   Telephone No
      ✧   Gender
      ✧   Student level,class(Non editable)
      ✧   Mobile No
      ✧   Nationality(Non editable)
      ✧   Address
      ✧   City
      ✧   Location on MAP
      ✧   Special notes
      ✧   Save

❖ Student will be able to edit his Email Id as follows:

1- As a student click on button to request a change his email on profile page .

2- The page display a message saying that a mail has been sent to user emails and he should check his email to make change.

3– Received email should contain a link that is valid for 24hours.

4– Student click on the link and get redirected to a Page on the application prompting him to enter his new email address.

5– Student enter new email and validate.

6– A message is displayed saying that change has been made and all notifications will be sent to new email

7– Student is disconnected automatically from session and redirected to login page.

FR– D 5.4.2 Change Password

❖ Student can change his Current Password.
   To change the password, Student need to follow the following steps.

❖ Enter current password – if the current password is match with enter password then able to enter new password.

❖ Enter new Password

❖ Re enter new password – if the new password is match with reentered password then able to change the password of his account.

❖ When Student "**Change their password**" a notification should be sent by email informing the student that their password has been changed.

FR– D 5.4.3 Manage Notification

❖ From the notification settings, Student will set which notifications he wants to receive and where to receive.

❖ Students will receive notifications on Application, Email and SMS.

❖ By default student will receive notification on Mobile Application.

❖ Student will get notified of their pending fees.

❖ Student will get notified about his pending homework

❖ Student will get notified when teacher add a new material for a course.

❖ Student will get notified when Professor uploads a new test.

❖ New event added by school admin.

❖ News added by School admin.

❖ Students will get notified if they get assigned tasks by professor.

❖ Suggestion(when a suggestion is validated by school admin so that student can raise poll, or Other student raised poll on suggestion).

❖ Student should be able to view the details of notifications while clicking on view details.

❖ Student should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification).

❖ Student will get notification when school admin add & update timetable.

❖ Student will be able to delete the notifications that are older than Month,year and which are of no use.

Note - To receive notifications via SMS, system need to integrate SMS gateway. Client need to provide SMS gateway detail to integrate into the system.

FR– D 5.5 Timetable

❖ Here in this section student is able to view timetable.

❖ Here student is able to view timetable according to his Level(E.g first,second etc..) and Class(E.g A,B,C etc…)

❖ The timetable will describe the school start time, End time,breaks time, period start time, name of the course in each period and the name of the course teacher for the whole week, the timetable can be viewed by students and parents and made by the principle (admin).It should be flexible for principles if any changes he wants to make.

FR– D 5.6 Student Attendance

❖ Here in this section student is able to view his attendance daily and monthly attendance.

❖ Student is able to view his attendance summary with the exact attendance date and time for each student and that will be registered automatically in the application as an attendance report (if the student is absent, late, or present).

❖ Student will able to view his attendance including following details like:

  ◈ Present days
  ◈ Absent days
  ◈ Late days

❖ Student is able to view his daily attendance according to his level,class and date.
❖ Student can also view his monthly attendance
❖ If a student is absent or late,the website will send the notification to their parents.
❖ The parents can choose the way they receive notifications either (Push Notifications, email or SMS), parents and principle can view the attendance report.
❖ Note:–We will require SMS gateway to be provided by client.

FR– D 5.7 To Do List

❖ Here in this section student is able to view and manage his to do list .
❖ Student can add their task ,which they have to finish before their due dates.
❖ Student can create his own notes or he can save & manage the notes so that he can review that notes during manage his time to improve better time management.

FR– D 5.8 Homework Management(Duty management)

❖ Here in this section student is able to view his homework as follows.

  ➢ Level
  ➢ class
  ➢ Course Name
  ➢ Professor Name
  ➢ Description
  ➢ Date of Adding
  ➢ Time of adding
  ➢ Due Date
  ➢ Status(Completed and pending)

❖ Student can search his homework by date,subject or status of homework.

❖ Status may be completed or pending.

❖ Student will receive a notification when teacher uploads new homework for him.

❖ Student will also receive the notification if his homework is pending,so that he can complete that homework before due date.

FR– D 5.9 View Exam

❖ Student can search/view their exam Schedule as follows:

❖ Student should be able to filter the exams as Past Exams and coming Exams.

  ➢ Level
  ➢ class
  ➢ Subject Name
  ➢ Assessment scale
  ➢ Exam Date

- Exam Time
- Exam Type
- Exam period
- Exam Place
- Exam supervisor

❖ Clicking on view button ,Student can able to view the details as follows
- Level
- class
- Subject Name
- Assessment scale
- Exam Date
- Exam Time
- Exam Type(Local test,Regional test,free test)
- Exam period (first quarter, second, third, final)
- Exam Place
- Exam supervisor
- Exam Description

FR– D 5.10 View Result

❖ Here in this section Student can view his test examined by the teacher and he can view his result OR grade acquired for that particular test.

❖ Student is able to view his exam checked with following details:

- Level
- class
- Professor Name
- subject
- Exams Name
- Exam Date
- Exam Time

- ➢ Exam Type
- ➢ Exam period
- ➢ Exam Place
- ➢ Exam supervisor
- ➢ Exam Description
- ➢ View Marks

- ❖ When teacher examines the test then student will get notified about his marks or successful examination checking by a particular teacher.
- ❖ Then student is able to view his results and on particular test, he can search for that test by course name,Exam time,Exam period and exam date.

FR– D 5.11 School Club

- ❖ In these section will able to view the club assigned to him
  - ✧ Club Name
  - ✧ Club ID
  - ✧ Club Supervisor
  - ✧ Club place
  - ✧ Club Type(Paid,free)
  - ✧ Club Fees

- ❖ Student will be able to view club in more details as:

  - ✧ Club Name
  - ✧ Club ID
  - ✧ Club Supervisor
  - ✧ Club place

- ✧ Club Type(Paid,free)
- ✧ Club Fees
- ✧ Club Description

FR– D 5.12 View calender

- ❖ Here in this section student is able to view the weekly and monthly calender with added Events and holidays.

- ❖ Here in this section student is able to view the holidays added by school admin on calender.

- ❖ Here in this section student is able to view the events added by school admin on calender.

FR– D 5.13 View Task

- ❖ Here in this section student is able to search for task by selecting Task name and Task added by school admin.
- ❖ Then student will be able to view tasks with following details

  - ➢ Task Name
  - ➢ Task Submission Time
  - ➢ Task Submission Date
  - ➢ Task Priority (High,Medium,Low)
  - ➢ Description
  - ➢ Task Supervisor
  - ➢ Status(Open,on hold,resolved,closed)
  - ➢ Action(View)

- ❖ When student click on "view" link he will be able to view task description with following attributes.

  - ➢ Level
  - ➢ class
  - ➢ Task Name
  - ➢ Task Time

- ➢ Task Submission Date
- ➢ Task Priority (High,Medium,Low)
- ➢ Description
- ➢ Task Supervisor
- ➢ Status(Open,on hold,resolved,closed)

FR– D 5.14 View Course Material

- ❖ Here in this section students is able to View his matters of his subjects and courses according to his class and division which are added by their teacher.

- ❖ This will include various subjects materials.

  - ✧ Level & Class
  - ✧ Material Added By
  - ✧ Subject name
  - ✧ Documents added/material of subject(MP4, PDF, Doc,videos(URL link))
  - ✧ Course Description

- ❖ Student can search for a particular course by selecting course name and professor name.
- ❖ Here student is able to download the study material added by professor or School admin.

- ❖ These are the Materials that students will need during each course in general will be described by teachers,students and parents can see it.

FR– D 5.15 View News

- ❖ In this section student will be able to view and search news with below fields

  - ✧ Date of Adding
  - ✧ Time of Adding
  - ✧ News Title
  - ✧ Action(View)

- ❖ When student click on "view" link he will be able to view news description with following attributes.

  - ✧ News Title

- ✦ News Description
- ✦ News image(if any)
- ✦ Date of Adding
- ✦ Time of Adding
- ✦ Files(MP4,PDF,Doc,video(URL links))
- ❖ Student can download the news media also.

FR– D 5.16 View Fees

- ❖ Student will be able to view the school fee structure with following attributes as follows.

  - ✦ Academic year
  - ✦ Frequency
  - ✦ Student Id
  - ✦ Student Name
  - ✦ Level/class
  - ✦ Parent name
  - ✦ Payment Amount adding date and time.
  - ✦ Payment Amount
  - ✦ Payment method
  - ✦ Pending amount
  - ✦ Action(View)

- ❖ Student will also be able to view transportation fees with details including
  - ✦ Academic year
  - ✦ Student Name
  - ✦ Student level/class
  - ✦ Bus Type(Morning/Afternoon, For both Morning and Afternoon)
  - ✦ Transport Amount(100,200 ..)

FR– D 5.17 Canteen

Canteen item details

❖ Student can search for canteen product using product name,price and he can sort food products as food and drinks.

Add Booking

❖ He will be able to view Food products of canteen with details listing as follow:

- ✧ Food product Name
- ✧ Food product Image
- ✧ Food product description
- ✧ Food product Price
- ✧ Quantity
- ✧ Add to cart

❖ Student will be able to add his food item to cart from where he can confirm booking
❖ From cart where he will be able to view the product Name,Quantity.
❖ Student can Change the quantity of food item from cart.
❖ He can Empty the cart or he can delete the food item from cart.
❖ Student can add multiple products in the cart and he will confirm booking from cart choosing payment type which will be cash for student.
❖ Student is able to Edit his booking before checkout
❖ Student is able to manage his booking.

View Booking details

❖ Student will be able to view booking details as follows

➢ Student Name
➢ National Id
➢ Product Name
➢ Quantity
➢ Order Date
➢ Order ID
➢ Bill Total
➢ Order type(Cash)
➢ Delivery status
➢ Payment status
➢ Action(View)

❖ Note:–Student will be able to pay money manually(Hard cash).

FR– D 5.18 Suggestion box

❖ Here in this section student is able to give his suggestions.

❖ Student can give various suggestions like:

✧ Suggestions including canteen(If students want new food item in canteen)

✧ If students want any sports/dancing/yoga activity to start they can suggest this using this suggestion box.

❖ In the suggestion section, student will suggest to add any module or feature that improve the software performance.

❖ To provide suggestion student need to enter

- Suggestion subject
- Suggestion Category
- Suggestion description
- Submit

❖ After submitting the suggestion, suggestion will be send to school admin for Approval.

❖ If School admin raised a suggestion for polling and set visibility for student then all the students will get notified and they can participate in that poll and click on (like,dislike button) to give their votes on that suggestion.

❖ Student can view the suggestion with following details

- Suggestion created Date
- Suggestion subject
- Suggestion Category
- Suggestion description
- Poll status(Raised,Not raised)
- Poll duration
- Poll count
- Admin final Acceptance status.
- Action(View)

❖ On view he can see the above mentioned details.

❖ Student is able to manage the suggestion as follows

- Suggestion created Date
- Suggestion subject
- Suggestion Category
- Suggestion description
- Poll status(Raised,Not raised)

❖ Student will submit suggestion using web and mobile application.

FR– D 5.19 Survey management

❖ Here in this section student is able to view survey created by school admin So,he/she can respond to that survey.

❖ If the survey is related to student then student will respond to that survey and submit that response.

❖ Here student is able to answer to various questions like:

   ✦ Whether the bus is working on time.
   ✦ Whether canteen is beneficial and how is quality of food?

FR–D 5.20 View Gradebook

❖ Here in this section student is able to gradebook generated by school admin.
❖ Gradebook will contain various attributes as follows:

   ✦ Student name
   ✦ Birth date
   ✦ Student id
   ✦ Student rank
   ✦ Doubling(yes,no)
   ✦ Parent Name
   ✦ Professor name
   ✦ Subject name
   ✦ Coefficient of subject
   ✦ Average marks of the student
   ✦ Min marks of the class
   ✦ Min Average marks of the class
   ✦ Total average marks of the class
   ✦ Max average marks of the class
   ✦ Total of absences
   ✦ Total count of late
   ✦ General appreciation of Professor.
   ✦ General appreciation of School

❖ Students can also view other fields at the bottom of gradebook i.e felicitations, Compliment, Encouragements, work warning, discipline warning.

FR– D 5.21 Log out

❖ Student clicks on log out button,From here he can log out from his account safely and successfully.

Note:– All the features describe below will be working similar for mobile application for Parent .

For mobile application,its mandatory for a parent to use "login id","password","school id"(no need –according to his credentials he will get redirected to his school),to get access since the application will be accessible on store & anyone can access it(if we have other solution than this then we will implement that).

FR D.6 Parent

~~FR– D 6.1 Parent Sign up (No need)~~

~~Should exist but disabled by default and can be enabled by Super admin.~~

~~Fields will be part of Parent Sign up Process:~~

Sr.no	Field description	Type of character	Mandatory (Y/N)	Remarks
1	First Name	Character	Y	
2	Last Name	Character	Y	
3	Email ID	Alpha numeric & special character	Y	
4	National ID	Alpha numeric		
5	School ID	Alpha numeric	Y	
6	Student national ID	Alpha numeric	Y	
7	Nationality	Alpha numeric	Y	
8	Gender	Character		
9	Occupation	Character	Y	
10	Address	Alpha numeric	Y	
11	City	Character	Y	
12	Mobile No	numeric	Y	
13	Relation	Character	Y	
14	Password	Alpha numeric & special character	Y	
15	Re-enter Password	Alpha numeric & special character	Y	
16	Captcha	Alpha numeric	Y	
17	Action	Sign Up		Button

FR– D 6.2 Parent Login

❖ After Sign up ,Parent will login into the system and redirect to the dashboard.
❖ By entering ,below mentioned details & by clicking on "Log In" button. Parent will get logged into the system.

Field description	Type of character	Mandatory (Y/N)
Email Address	Alpha numeric & special character	Y
Password	Alpha numeric & special character	Y
Action	Button: Log In	Y

❖ After login Parent will able to use the features and functionality of the system.
❖ Parent will need to make payment of his student school fees to get access to his dashboard using pay now option,without that he will not get access to his/her dashboard.

FR– D 6.3 Forgot Password

❖ Parent can request for password if he has forgotten password.

❖ They need to provide email address used during the initial registration.

❖ When Parent clicks on the "request" button there should not be a message saying that the address is incorrect or not found your Email address even if it doesn't exist on DB.There should be message saying Email will be sent to your Email address with appropriate reset password link and parent can reset his password from there.

- ❖ If Email details found in database for the particular Email address then Email will be sent to that Email address with appropriate reset password link and parent can reset his password from there.

FR– D 6.4 Parent Dashboard

- ❖ Note:–Parent is able to select kid name from his dashboard if he has multiple kids,as he choose that kid he will be able to view all the details for that kid .

- ❖ Module that displays the evaluation of each student for each subject over the year

- ❖ A module that displays the status of attendance / absence of each student .

- ❖ A module that displays notifications (homework, open survey, school notification …)

- ❖ Parent is able to view the school calender with planned examinations.

- ❖ A parent is able to view the school timetable.

- ❖ Notification replacements teachers.

FR– D 6.5 Parent Account

- ❖ The logged Parent can maintain his/her account, he/she can change the Edit profile, Password, and Profile Picture.

FR– D 6.5.1 Edit Profile

- ❖ Parent an edit his profile details as

    - ✧ Profile Picture (Image allowed only JPG, JPEG and PNG image)

- ✧ Name
- ✧ National ID
- ✧ Email Id(not editable)
- ✧ Nationality (Drop down)
- ✧ Date of Birth
- ✧ Gender
- ✧ Occupation(his business)
- ✧ Address
- ✧ city(Drop down)
- ✧ Map location
- ✧ Mobile No
- ✧ Qualification Degree(High School,Metric,Post Graduate,Others)optional
- ✧ Alternative Mobile No
- ✧ Relation
- ✧ Status

❖ Parent will be able to edit his Email Id as follows:

1- As a Parent click on button to request a change his email on profile page .

2- The page display a message saying that a mail has been sent to user emails and he should check his email to make change.

3- Received email should contain a link that is valid for 24hours.

4- Parent click on the link and get redirected to a Page on the application prompting him to enter his new email address.

5- Parent enter new email and validate.

6- A message is displayed saying that change has been made and all notifications will be sent to new email

7- Parent is disconnected automatically from session and redirected to login page.

FR– D 6.5.2 Change Password

❖ Parent can change his Current Password.

❖ To change the password, Parent need to follow the following steps.

❖ Enter current password – if the current password is match with enter password then able to enter new

password.

❖ Enter new Password

❖ Re-enter new password – if the new password is match with reentered password then able to change the password of his account.

❖ When Parents "Change their password" a notification should be sent by email informing the Parent that their password has been changed.

FR– D 6.5.3 Manage Notification

❖ In these section, parent will get notification from school, super admin.

❖ Parent will get following notification from school

   ✧ For Holidays Added by school admin

   ✧ Event added by school admin

   ✧ Homework added by professor

   ✧ Course Material added by School Admin or professor.

   ✧ Attendance

   ✧ Professor Replacement Notification (When school admin replace a professor for a course)

   ✧ Message from professor

   ✧ Exams Added by school admin or professor

   ✧ Regarding Fees

   ✧ Club(His kid is added in a club by school admin)

   ✧ Canteen booking.

   ✧ Suggestion(when a suggestion is validated by school admin so that parent can raise poll, or while Other parent raised poll on suggestion)

   ✧ Claim(Professor added claim for his kid)

   ✧ Grade-book generated of his kid.

   ✧ Open survey

❖ By default Parent will receive notification on Mobile Application.

❖ Parent can view/search/delete the notification.

❖ Parent should be able to view the details of notifications while clicking on view details.

❖ Parent should also be able to see the status of the notification as (read, unread) and the stakeholder should be able to search for a specific notification (by date & status of notification).

❖ Parent will be able to delete the notifications that are older than Month,year and which are of no use.

FR– D 6.5.4 Message

❖ From the message section , parent can send a message to professor.

❖ To send message to the professor, parent need to search specific teacher by subject name

❖ Parent will be able to maintain message history with professor.

❖ Parent is able to delete the messages.

❖ Parent will be able to send a message via website and Application and professor will get notified when parent messages a professor.

❖ Parent will get notified when he gets reply from particular professor.

FR– D 6.6 Manage Kid Profile

❖ Parent can manage their kid's profile .

❖ Parent can edit /view their kid's profile by following details:

  ✧ Profile Picture (Image allowed only JPG, JPEG and PNG image)

  ✧ Name

  ✧ Email Id(not editable)

  ✧ Nationality (Drop down)

  ✧ Date of Birth

  ✧ Gender

  ✧ Address

  ✧ city(Drop down)

  ✧ Map location

  ✧ Mobile No

  ✧ Alternative Mobile No

  ✧ Relation

  ✧ Special notes for student

Manage Application Paper(Document management)

❖ In these section ,parent can manage their kid's application paper.

❖ Parent can add & manage following document of their kid's:

- ❖ Parent can add documents of their kid as:
  - ✧ Enter Document title
  - ✧ Upload document option followed by two buttons upload and cancel.
- ❖ Various Documents are as follows
  - ✧ Certificates
  - ✧ Achievements
  - ✧ Payment receipt
  - ✧ Application
  - ✧ Examination form
- ❖ Parent will able to search for documents.
- ❖ Parent can delete the documents also.

FR– D 6.7 View course Material

- ❖ Parent can check the content of given Material/subject.
- ❖ Matters can be Courses,documents ,PDF,videos URL link)
- ❖ Parent can search the material by following details:
  - ✧ Added Date
  - ✧ Material added by
  - ✧ Course Name
- ❖ By clicking on "View" link,Parent will be able to view material description by following details:
  - ✧ Class/Level
  - ✧ Added Date
  - ✧ Material added by
  - ✧ Course Name
  - ✧ Files((MP4, PDF, Doc,videos(URL link))

✦ Descriptions(Short description for video or doc uploaded).

FR– D 6.8 Homework / Duty

❖ Parent can manage their kid's homework.

❖ Parent can view their kid's homework/duties.

❖ Parent can search homework/duties by following details:

✦ Course Name

✦ Professor Name

✦ Adding Date

✦ Due Date

❖ Parent can view homework with details as follows

✦ Course Name

✦ Professor Name

✦ Adding Date

✦ Adding Time

✦ Description

✦ Due Date

✦ Status of homework(Pending,completed)

❖ Parent can also have calendar view to manage his kids homework ,weekly or monthly basis manually.

FR– D 6.9 Timetable

❖ Here in this section parent is able to view the timetable of his student for a particular day by selecting date.

❖ Parent can view the timetable of his student with all the periods.

❖ The timetable will describe the school start time, End time,breaks time, period start time, name of the course in each period and the name of the course teacher for the whole week.

❖ Parent is also able to see the timetable on his dashboard.

FR– D 6.10 View School calender

❖ Parent is able to view weekly and monthly school calender.

❖ Here in this section parent is able to view the holidays added by school admin on calender.

❖ Here in this section parent is able to view the events added by school admin on calender.

FR–D 6.11 View Attendance

❖ Here in this section Parent is able to view his attendance date wise.

❖ Parent is able to view their kid's attendance summary with the exact attendance date and for each student and that will be registered automatically in the application as an attendance report (if the student is absent, late, or present).

❖ Parent will able to view their kid's attendance summary including following details like:

       ✧ Daily Attendance
       ✧ Monthly Attendance

❖ Parent will get notification from the school admin if his/her kid;s is absent .
❖ Parent can view their kid's attendance report .

FR–D 6.12 View Exams

❖ Parent can search/view their kid's exam Schedule by following ways:
    ➢ Course Name (e.g English)
    ➢ Exam Date
    ➢ Exam Type
    ➢ Exam period

❖ Parent is able to view the listing of exam with following details

- Exam Name
- Course Name
- Exam Date
- Exam Time
- Exam Place

❖ Clicking on view button ,Parent can able to view the description of the exam timetable:
- Level
- class
- Professor Name
- Subject Name (e.g English)
- Select Assessment scale
- Exam Date
- Exam Time
- Exam Type
- Exam period
- Exam Place
- Exam supervisor
- Exam Description

FR– D 6.13 View Result

❖ In this section Parent can View Result of their kid's .
❖ Parents can search for Results by
- Course Name (e.g English)
- Exam Date
- Exam Type
- Exam period

❖ Parent can view their kid's exams review by following details
- Level
- class
- Professor Name
- subject
- Exams Name

- ➢ Assessment scale
- ➢ Exam Date
- ➢ Exam Time
- ➢ Exam Type
- ➢ Exam period
- ➢ Exam Place
- ➢ Exam supervisor
- ➢ Exam Description
- ➢ View Marks

- ❖ Parent can view his/her kid's homework or test examined by the teacher and he can view his result OR grade acquired for that particular test.

FR–D 6.14 Canteen

- ❖ In these section ,Parent can view/search/order food products of canteen for their Kid's .

Add Booking

- ❖ He will be able to view Food products of canteen with details listing as follow:

  - ✧ Food product Name
  - ✧ Food product Image
  - ✧ Food product description
  - ✧ Food product Price
  - ✧ Quantity
  - ✧ Add to cart

- ❖ Parent will be able to add food item to cart from where he can confirm booking for his kid
- ❖ From cart where he will be able to view the product Name,Quantity.
- ❖ Parent can Change the quantity of food item from cart.
- ❖ He can Empty the cart or he can delete the food item from cart.
- ❖ Parent can add multiple products in the cart and he will confirm booking from cart choosing payment type.
- ❖ Parent can select his payment type as cash payment or he can pay online by Card.

- ❖ If parent choose the payment option as cash payment then here parent will confirm his order from here and he or his student will pay at the time they will get product from canteen and that time only his delivery status will get changed.
- ❖ He can Edit his booking before checkout.

- ❖ Following information Parent needs to fill while making payment by card:

  - ➢ Card Type
  - ➢ Card Number
  - ➢ Name on Card (Card Holder Name)
  - ➢ Expiration Date
  - ➢ CVV Number
  - ➢ Acceptance of Terms & Conditions

- ❖ Parent is able to manage his booking.

- ❖ Parent will be able to view booking details as follows
  - ➢ Order ID
  - ➢ Product Name
  - ➢ Quantity
  - ➢ Order Date
  - ➢ Order type
  - ➢ Bill Total
  - ➢ Delivery status
  - ➢ Payment status
  - ➢ Action(View)

View Booking details

- ❖ Parent will be able to view booking details as follows
  - ➢ Student National Id

- ➢ Product Name
- ➢ Quantity
- ➢ Order Date
- ➢ Order ID
- ➢ Bill Total
- ➢ Order type
- ➢ Delivery status
- ➢ Payment status

FR–D 6.15 View Task

- ❖ Here in this section Parents are able to search for the task for their kid as follows:
    - ✧ Task Name
    - ✧ Task Added by

- ❖ Parent can view the task of his/her kid's by following fields :
    - ✧ Level
    - ✧ class
    - ✧ Task Name
    - ✧ Task Time
    - ✧ Task Added by
    - ✧ Task Submission Date
    - ✧ Task Priority (High,Medium,Low)
    - ✧ Description
    - ✧ Task Supervisor
    - ✧ Status(Open,on hold,resolved,closed)

- ❖ On clicking view button ,Parent will able to view the task description

FR–D 6.16 View News

- ❖ Parent can search/view the news by selecting the Date.
- ❖ Parent can search for news by news title also.
- ❖ Parent can view News description by following fields:
    - ✧ News Title

- ✧ Date of Adding
- ✧ Time of Adding
- ✧ News image(if any)
- ✧ Files(PDF,Doc,video(URL links))
- ✧ News Description
- ✧ Action (View)

❖ On clicking on "view" link parent can able to view the news description.

❖ Parent can download the news media also.

FR–D 6.17 School Club

❖ Parent will able to view/search club detail by following fields:

- ✧ Club Name
- ✧ Club ID
- ✧ Club Supervisor
- ✧ Club place
- ✧ Club Type(Paid,free)
- ✧ Club membership Fees
- ✧ Pay now button
- ✧ Action(View)

❖ On clicking on view link Parent will able to view the following details:
- ✧ Club Name
- ✧ Club ID
- ✧ Club Supervisor
- ✧ Student Id
- ✧ Club place
- ✧ Club Type(Paid,free)
- ✧ Club membership Fees
- ✧ Club Description

❖ Parent can make payment online for club membership.

FR–D 6.18 Make Payment

- ❖ In these section, parent is able to view the fee structure of his kid.

- ❖ Parent is able to view fee structure with following details
  - ✧ Level
  - ✧ Class
  - ✧ Student Name
  - ✧ Student National Id
  - ✧ Parent Name
  - ✧ Main fees(with title,frequency,compulsory or not,Fees Amount,Status(paid,Unpaid)
  - ✧ View Bus fees & select Type(pick up, drop up or both)
  - ✧ Brotherhood Beneficiary if any
  - ✧ Pay Now option.

- ❖ He can view the paid and unpaid fees of his kid.

- ❖ parent can make payment of the following fields for their kid's:
  - ◆ Tuition fees
  - ◆ Event fees
  - ◆ library fees
  - ◆ Club Membership fees

- ❖ Parent can make payment annually or in installment depending on school norm.

- ❖ Parent can make payment via:
  - ✧ Cheque
  - ✧ Wire transfer
  - ✧ Pay Online

- ❖ Parent can make payment via cheque then he needs to enter
  - ✧ Bank Name
  - ✧ Account Holder Name.
  - ✧ Cheque Number

- ❖ Parent can make payment via wire transfer then he needs to upload the receipt of payment done.

- ❖ Parent can make payment online via credit or debit card then he needs to enter various details as follows:

  - ✧ Card Type

- ✧ Card Number
- ✧ Name on Card (Card Holder Name)
- ✧ Expiration Date
- ✧ CVV Number
- ✧ Acceptance of Terms & Conditions

❖ When parent make payment,on success-full payment done parent will get the printed receipt of payment in PDF format via email from school admin.

FR-D 6.19 Brotherhood

❖ If parent has all his kid's in same school then he will get concession on fees from school.

❖ Parent will also able to view the fee concession, he is getting from the school admin .

FR- D 6.20 Suggestion box

❖ Here in this section parent is able to give his suggestions.

❖ In the suggestion, parent will suggest to add any module or feature that improve the software performance.

❖ To provide suggestion parent need to enter

- ➢ Suggestion subject
- ➢ Suggestion Category
- ➢ Suggestion description
- ➢ Submit

- ❖ After submitting the suggestion, suggestion will be send to school admin for Approval.

- ❖ If School admin raised a suggestion for polling and set visibility for parent then all the parent will get notified and they can participate in that poll and click on (like,dislike button) to give their votes on that suggestion.

- ❖ Parent can view the suggestion with following details

  - ➢ Suggestion created Date
  - ➢ Suggestion subject
  - ➢ Suggestion Category
  - ➢ Suggestion description
  - ➢ Poll status(Raised,Not raised)
  - ➢ Poll duration
  - ➢ Poll count
  - ➢ Admin final Acceptance status.
  - ➢ Action(View)

- ❖ On view he can see the above mentioned details.

- ❖ Parent is able to manage the suggestion as follows

  - ➢ Suggestion created Date
  - ➢ Suggestion subject
  - ➢ Suggestion Category
  - ➢ Suggestion description
  - ➢ Poll status(Raised,Not raised)

- ❖ Parent will submit suggestion using web and mobile application.

FR– D 6.21 Survey Management

- ❖ In these section parent will get notification from school admin.If school admin has created a survey for parent.
- ❖ Parent will open the survey and respond with answers of the survey questions.

FR–D 6.22 Claim/Report

❖ Here in this section parent is able to view the claim report against his student created by professor.

❖ He will be able to view the claim created by professor with fields as

   ✧ Professor Name

   ✧ Level

   ✧ Class

   ✧ Student name

   ✧ Student national id

   ✧ Claim title

   ✧ Claim description.

FR–D 6.23 View Gradebook

❖ Here in this section parent is able to view gradebook as follows:

❖ Gradebook will contain various attributes as follows:

   ✧ Student name

   ✧ Birth date

   ✧ Student id

   ✧ Student rank

   ✧ Doubling(yes,no)

   ✧ Parent Name

   ✧ Professor name

   ✧ Subject name

   ✧ Coefficient of subject

   ✧ Average marks of the student

   ✧ Min marks of the class

   ✧ Min Average marks of the class

   ✧ Total average marks of the class

   ✧ Max average marks of the class

   ✧ Total of absences

   ✧ Total count of late

   ✧ General appreciation of Professor

❖   ✧   General appreciation of School

❖   Parent can also view other fields at the bottom of gradebook i.e felicitations, Compliment, Encouragements, work warning, discipline warning.

FR– D 6.25 Student Illness attendance

❖   If student will not attend for some reason, parent should be able to notify school using the application attendance page, define reason category (illness, travel…), reason, start date, end date, this should tag this student as absent on the application on the specific period and notify school admin and professor, when the professor (or school admin) need to check attendance, the student appears as absent by default for the specific period so he's not obliged to check for his attendance, no sms also is sent for this student about absence to parent since the event has been declared by parent.

FR– D 6.24 Log out

❖   Parent clicks on log out button,From here he can log out from his account safely and successfully.