

Each user is shown content based on his subscriptions

Subscriptions include related Grades, Classes & Subjects

Subscriptions are fetched from Class: Subscriptions using User objectId to search in the User Field

By default every page will require subscriptions to be fetched to only get the user's related content

Filtering content of a page using v-if for each Role is handled already within the code so that every Role views Only what he is supposed to view.

I can add pointer to Role in a Field under Class: Profile

Parent account is linked to an Array of Students, so his account gets the subscriptions of these Students' subscriptions. And by default they view content shared with Role: Student or Parent.

Only in Messages each of them gets his messages, meaning in messages Parent only views messages sent to his account and can't view messages sent to his related students.

So Parent Role is like a filter to combine Content of more than a Student or one Student. Except in Messages where it has its own Messages.

Deleting items is soft delete, each item in the database has a Field: isActive, when a user deletes an item, this Field is set to false, and then this item is no longer shown within content

So please consider this field in your queries through the whole App.

The purpose of soft deleting is that if a user by mistake deleted something, I can recover it by setting isActive to true using Parse Dashboard

This is a closed system, no signups are allowed, adding users is only done by Admin through the App

Login

The Login process includes checking if the user is active or not from the Class: Profile

Field: isActive = true, as deactivated users cannot login. A message saying your account is deactivated please contact School Admin.

As Parse doesn't allow anyone but the user himself to change the password and so the admin cannot change the user's password, the workaround can be using the same email for all users so this email gets the reset password email and the admin will be the only one to access this email, so he can then reset a user's password

Messages

File Name: messages.vue

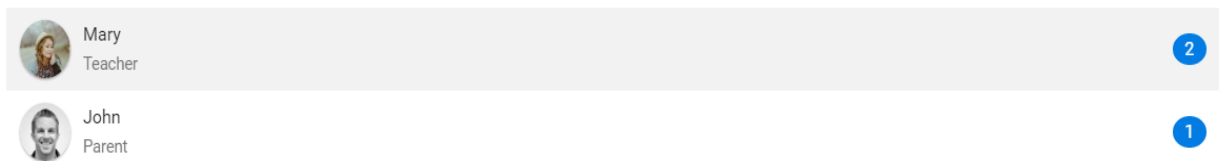
This page resembles whatsapp, there are 3 tabs (Chats, Contacts and Groups)
Chat has one to one chat and group chat

When a Contact from Contacts Tab or a Chat from Chats Tab is clicked, the user is redirected to the chat page.

Chat Tab lists all chats with a limit of 20 items (chat) if a chat has unread messages this list item has a badge with number of unread messages on it.

Load more button to display another 20 items

Chats include one to one Chats and Group Chats (even there is no messages in the Group)



Contacts Tab lists all linked to Contacts with a search box at the top and limit contacts display to 50 items and Load more button to display another 50

N.B the user can't see his name in the list.

Student view

Managers, Secretary of their Grade
Teachers of Class – Subject
Students of Same Class
Student Affair

Parent view

Managers, Secretary of their Grade
Teachers of Class – Subject
Parents of Same Class
Student Affair

Teacher view

Managers, Secretary, Admin of their Grade
Parents of Class – Subject
Students of Class – Subject

Manager, Secretary, Student Affair & Admin view

Managers, Secretary, Teachers, Parents, Students & Student Affairs of their grades

Teacher view

Managers, Secretary, Admin of their Grade

Parents of Class – Subject

Students of Class – Subject

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher, Student Affairs)

Kids (Parent Only)

Roles (All)

Group Chat (Admin Only)

Classes Button shows a list of linked Classes and when a Class is chosen Only Contacts or Chats from that Class are shown

Kids Button shows a list of kids and when a Student is Chosen Only Contacts or Chats from Contacts related to that Student are shown

Roles Button shows a list of Roles and when a Role is Chosen Only Contacts or Chats having that Role are shown

Group Chat Button redirects Admin to Group Chat Management Page

Related Pages:

Chat Page

File Name: chat.vue

Displays messages of the chat and has a textarea box with submit button at the bottom of the page (like whatsapp always at the bottom) to enter new message.

If it is one to one chat, there is a 1 tick shown when the message is sent and 2 ticks shown when the message is read.

The ticks appear just under the message

For Group Chat only 1 tick is shown to display that the message was sent.

Message Author is the only one who can delete his / her messages.

Once a message is sent a push notification to whom it concerns is sent notifying them that there is a new message sent to them.

Group Chat Management Page

***File Name:** groups.vue

Only for Admin

Shows a List of Groups with 2 buttons beside each Group, One to edit the Group and One to Delete the Group.

Create New Group Button is shown above the list of Groups.

Create and Edit Group Pages look the same containing the same content

Group Name, Group Users.

The Admin Enters or Edit the Group Name according to the Page (Create or Edit)

The Admin Adds and Removes Users from a Group (the page will have 2 columns, the left column for All Users and a searchbox to search for users and Admin can use The Roles and Classes Buttons in the Action Bar for Filtering Users, The right column for already added users to the group) The admin check the box beside the name of the user in the left column and the user is added to the right column (The Group Users) automatically and disappears from the left column (already existing Group users don't appear in the left column when searching for users to add)

A Save Button is displayed under the 2 columns to save Group.

Once a Group is created a Chat for the Group is created and a Welcome to the Group Name message appears.

Once a user is added to a Group a push notification to the user is sent notifying him / her that he / she was added to a Group (Group Name) and the Welcome message also sends a push notification.

News

File Name: news.vue

Related Classes: Posts

This page is intended to show List of News.

Admin, Manager, Secretary and Teacher can add new News.

For each News these items are shown (Title, Content (reduced to the first 50 words), Number of Views & Number of Attached Files)

When a News is clicked the user is redirected to the News Full Page of this News.

Latest 10 News are shown and a button to Load More is shown when clicked following 10 News are shown, etc..

N.B as stated before Parent can view News sent to his Students, even the News were sent to Student Role Only.

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher & Student Affairs)

Kids (Parent Only)

Roles (Admin, Manager)

Add Button (Admin, Manager, Secretary & Teacher)

N.B Classes, Kids and Roles are Filters to filter fetched data and updates the List of News to show Latest 10 for that Filter

Classes Button shows a list of related Classes and when a Class is chosen Only News related to that Class are shown (Latest 10 News of that Class). For Admin and Manager can view all of that Class's News even if the their Role is not included in submitted News

e.g if a Teacher submitted a News to Students of his Class (as he can't add Target Roles other than Parents and or Students), this News is not shown to Admin or Manager, but if Admin or Manager chose a Class from Classes Button, then this News is shown.

Kids Button shows a list of kids and when a Student is Chosen Only News related to that Student's Class are shown

N.B when a student is chosen you show News for that Student's Class targeting any these Roles (Student or Parent)

Roles Button is for Admin and Manager Only where they can filter News by Target Roles, But They view a complete list of News which include the selected Role even if their Role wasn't included in the Target Roles of these News.

e.g if a Teacher submitted a News to Students of his Class (as he can't add Target Roles other than Parents and or Students), this News is not shown to Admin or Manager, but if Admin or Manager chose Student from Roles Button, then this News is shown.

Add Button redirects to Add News Page.

Functions:

News Full Page Navigation

When a user clicks on a News, the News objectId is used in redirecting the user to “News Full Page” template file and use the objectId to show the Items of this chosen News.

Displaying News

A Function to show the Latest 10 News and when a user click on Load More Button, Next 10 News are shown.

Filter News

A Function to Filter News List by a specific value from Actions Bar Buttons and return the Latest 10 News and when a user click on Load More Button, Next 10 News are shown.

Related Pages:

News Full Page

File Name: news-single.vue

This page displays all items of the News.

Items are Title, Content, Target Classes, Target Roles, Attachments, Date (Date When News is Submitted) & Number of Views

Actions Bar:

Delete Button (Manager, Admin & Author)

Functions:

Increase Views Count

When a user views a News you should check if the user already exists in the Field: ViewUsers, if the user already exists nothing is done, if not then the count of “Views” increases by 1 and his objectId is added to the Array in Field “ViewUsers”.

Download All Attachments

Function to zip all attachments into a single zip file.

Delete News

A Function to delete the News from database.

Add News Page

File Name: news-add.vue

Authorized users can add new News.

Input Fields for these Items

Title, Content, Target Classes (Dropdown Multiple Select), Target Roles (Dropdown Multiple Select), Attachments (Upload Files)

Date (Date when News is Submitted)

Functions:

Upload Files

Function to upload file to Class: Files with progress bar and ability to upload multiple files and after successful each file, get objectId of the uploaded file.

Add News

A Function to add new News items (Title, Content, Target Classes, Target Roles, Array of Pointers to uploaded Files)

Validate input data:

Title & Content cannot be empty fields.

At least one Class and one Role is selected.

Targets

A Function to show Classes and Roles that authorized users are subscribed to.

Admin, Manager and Secretary can Select Role from a complete list of Roles.

Teacher can select Role of these (Parents, Students)

Push Notifications:

Once News is submitted, a push notification to linked users is sent notifying them that there is a new News published. Only selected Roles get the push notification, and if News is sent to Students, include Parents in Push Notifications even if Parent wasn't selected in Target Role.

Calendar

File Name: calendar.vue

Related Classes: Posts

This page is intended to show List of Events.

Admin, Manager, Secretary can add new News.

For each Event these items are shown (Title, Start Date and End Date)

When an Event is clicked the user is redirected to the Event Full Page of this Event.

Latest 10 Events are shown and a button to Load More is shown when clicked following 10 Events are shown, etc..

N.B as stated before Parent can view Events sent to his Students, even the Events were sent to Student Role Only.

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher & Student Affairs)

Kids (Parent Only)

Roles (Admin, Manager)

Add Button (Admin, Manager, Secretary & Teacher)

N.B Classes, Kids and Roles are Filters to filter fetched data and updates the List of Events to show Latest 10 for that Filter

Classes Button shows a list of related Classes and when a Class is chosen Only Events related to that Class are shown (Latest 10 Events of that Class). For Admin and Manager can view all of that Class's Events even if the their Role is not included in submitted Events

e.g if a Teacher submitted a Event to Students of his Class (as he can't add Target Roles other than Parents and or Students), this Event is not shown to Admin or Manager, but if Admin or Manager chose a Class from Classes Button, then this Event is shown.

Kids Button shows a list of kids and when a Student is Chosen Only Events related to that Student's Class are shown

N.B when a student is chosen you show Events for that Student's Class targeting any these Roles (Student or Parent)

Roles Button is for Admin and Manager Only where they can filter Events by Target Roles, But They view a complete list of Events which include the selected Role even if their Role wasn't included in the Target Roles of these Events.

e.g if a Teacher submitted an Event to Students of his Class (as he can't add Target Roles other than Parents and or Students), this Event is not shown to Admin or Manager, but if Admin or Manager chose Student from Roles Button, then this Event is shown.

Add Button redirects to Add Event Page.

The Calendar view at the top of the page allows navigation between months, as Events of the current month are the only events shown, so when a user navigates to another month, that month's events are displayed

Also the calendar (uses moment.js) shows a circle with a color specified for each event and when clicked it shows a modal with the event title and a link to the event

Example: The day 20/09/2016 has an event, it will be highlighted in the calendar with the specified color and when clicked a modal with the title of that event and a link to the event will be in that modal

Functions:

Event Full Page Navigation

When a user clicks on an Event, the Event objectId is used in redirecting the user to "Event Full Page" template file and use the objectId to show the Items of this chosen Event.

Displaying Event

A Function to show the Latest 10 Events and when a user click on Load More Button, Next 10 Events are shown.

Filter Events

A Function to Filter Events List by a specific value from Actions Bar Buttons and return the Latest 10 Events and when a user click on Load More Button, Next 10 Events are shown.

Related Pages:

Event Full Page

File Name: event.vue

This page displays all items of the Event.

Items are Title, Content, Target Classes, Target Roles, Attachments, Start Date, End Date & Number of Views, Date (Date When Event is Submitted)

Actions Bar:

Delete Button (Manager, Admin & Author)

Functions:

Increase Views Count

When a user views an Event you should check if the user already exists in the Field: ViewUsers, if the user already exists nothing is done, if not then the count of "Views" increases by 1 and his objectId is added to the Array in Field "ViewUsers".

Download All Attachments

Function to zip all attachments into a single zip file.

Delete Event

A Function to delete the Event from database.

Add Event Page

File Name: event-add.vue

Authorized users can add new Event.

Input Fields for these Items

Title, Content, Target Classes (Dropdown Multiple Select), Target Roles (Dropdown Multiple Select),

Attachments (Upload Files), Start Date (Date), End Date (Date)

Date (Date when Event is Submitted)

Color (the color of the event, from a preselected list of colors)

Functions:

Upload Files

Function to upload file to Class: Files with progress bar and ability to upload multiple files and after successful each file, get objectId of the uploaded file.

Add Event

A Function to add new Event items (Title, Content, Target Classes, Target Roles, Array of Pointers to uploaded Files)

Validate input data:

Title, Content, Start Date and End Date cannot be empty fields.

At least one Class and one Role is selected.

Targets

A Function to show Classes and Roles that authorized users are subscribed to.

Admin, Manager and Secretary can Select Role from a complete list of Roles.

Teacher can select Role of these (Parents, Students)

Push Notifications:

Once Event is submitted, a push notification to linked users is sent notifying them that there is a new Event published. Only selected Roles get the push notification, and if News is sent to Students, include Parents in Push Notifications even if Parent wasn't selected in Target Role.

Timetable

File Name: timetable.vue

Related Classes: Timetable

This page is intended to show Timetable of a Class (list of lessons for each working day)

Each Lesson can have one or more Subjects

Teacher Timetable shows Classes besides the word Lesson # - , instead of Subject(s)

Admin is the Only one to edit Timetable.

in case there is more than one Subject for a Lesson:

Admin, Manager & Secretary see the Subjects for that Lesson comma separated

Student & Parent view only the Student's subscribed Subject

N.B when a Lesson has more than one Subject, in the database this means there is more than one row with same Class and same Lesson Number and same Day, but different Subjects

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher)

Kids (Parent Only)

Teachers (Admin, Manager, Secretary)

My Timetable (Teacher)

Edit Button (Admin)

Classes Button shows a list of related Classes and when a Class is chosen Only Timetable of that Class is shown.

Kids Button shows a list of kids and when a Student is Chosen Only the Timetable of that Student's is shown

Teachers Button shows a list of all linked Teachers to choose a Teacher and view this Teacher's Timetable (Teacher Timetable Template).

Edit Button redirects to Edit Timetable Page.

Functions:

Teacher Timetable Navigation

When a user clicks on an Teacher from Teacher Filter, the Teacher's objectId is used in redirecting the user to "Teacher Timetable Page.

Edit Timetable Navigation

When a user clicks on Edit Timetable Button, the user is redirected to Edit Timetable Page passing Class objectId to edit Timetable of this Class.

Classes Filter

When a user clicks on a Class from Classes Button, change the view to get timetable of the newly selected Class by searching in Timetable using the newly selected Class objectId.

Kids Filter

Similar as Classes Filter but displaying a list of Students Names instead of Classes Names, and get the Class's Timetable of that Student when selected.

Displaying Timetable

A Function to show the Lessons for a Class by searching for Class objectId in Class: Timetable and fetch all lessons with related data (Day, Lesson Number, Subject) and show these data within the template.

Related Pages:

Teacher Timetable Page

File Name: timetable-teacher.vue

Similar to Normal Timetable except it shows Class name beside the Lesson # - instead of Subject(s)

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher)

Teachers (Admin, Manager, Secretary)

Same Functions as Timetable

Functions:

Teacher Timetable Display

Search Teacher's Subscriptions to get Classes and Subjects linked to him and use the objectId of these Classes and Subjects and Search for them in Class: Timetable and build that teacher's Timetable.

Edit Timetable Page

File Name: timetable-edit.vue

Admin Only.

A Class must be chosen to edit its Timetable

The page contains Dropdown menu with ability to multiple select for each Lesson in each Day.

The dropdown shows a list of Subjects linked to that Class

After choosing Subjects for each Lesson , the data is saved automatically without the need to click on a submit button (just by choosing Subjects for a Lesson, the data is submitted)

Functions:

Grab Subjects

Function to fetch list of Subjects linked to hat Class, by searching using the Class objectId in Class:
Structure and Type: Subject.

Display Current Subjects of a Lesson

similar function in display Timetable in Timetable Page, and the values update when the admin changes the values from the dropdown menu.

Saving Lessons

A Function to save newly added data, if a Subject is removed from a Lesson, Delete it from DB
if a Subject is added to Lesson, a new database entry is inserted with the new value.

Contacts

File Name: contacts.vue

Related Classes: User and Profile

This page is intended to show all users having common Subscriptions (Same Class, Same Grade, Same Subject)

There is a Search Box with autocomplete to search for a specific user

Beside the Search Box there are 2 Filters (Class and Role) to search for users in that Class only or of that Role only or Both (Filters apply on search)

Managers, Secretary, Students Affair and Admin can search for any User within the same Grades Subscribed to

Parent and Students can search for (Students or Parents) within the same Class, They can search for Manager, Secretary and Admin of the Grade, They can search for Teachers of their subscribed Subjects Only.

Teachers can search for Students, Parents and Teachers of same Classes, and Manager, Secretary and Admin of Grades subscribed to.

The List of Result users has 2 options (Profile Link, Chat Link), where the user can click to enter the chat with that search result or go to that user's profile.

Parents and Students can view Profile Link option only for School Staff (they can't view profile link of another parent or student)

Students can't search for Parents, and Parents can search for Students.

So Students only get list of School Staff and other students of same Class and Parents only get list of School Staff and other Parents of same Class(es).

Functions:

Grab Subjects

Function to fetch list of Subjects linked to that User, by searching using the Subject objectId in Class: Subscriptions

This function is used with these Roles: Teacher, Parent and Student

Grab Classes

Function to fetch list of Classes linked to that User, by searching using the Class objectId in Class: Subscriptions

Grab Roles

Function to fetch list of Roles from the Class: Roles.

Search

Function to search for entered name in the list of contacts where other filters are applied (example:

searching for contacts within same class in case of student)
return first 10 matching contacts and a Load More button to show another 10 users.

Curriculum

File Name: curriculum.vue

Related Classes: Curriculum

This page is intended to show curriculum of a Subject

The Curriculum of a Subject consists of Sections, a Section consists of Chapters, a Chapter consists of Lessons.

Parent and Student has to choose a Subject from a Dropdown menu to show its curriculum.

For Admin, Manager and Teacher are shown a List of Grades, and when they choose a Grade, they can select a Subject related to that Grade from Dropdown menu.

So there are 2 Dropdown menus Grades and Subjects

Admin, Manager and Teacher shown both

Parent and Student shown only Subjects

When a Subject is chosen as shown in the source code (Collapsibles), only Lessons can be clicked to go to that Lesson's Page.

Teacher Only can add Sections, Chapters and Lessons to a Subject.

When a user clicks on a Lesson, he is redirected to the Lesson Page (lesson.vue) for that Lesson.

Actions Bar:

Add Button (Teacher)

Functions:

Grab Subjects

Function to fetch list of Subjects linked to that User, by searching using the Subject objectId in Class: Subscriptions

Grab Grades

Function to fetch list of Classes linked to that User, by searching using the Class objectId in Class: Subscriptions

This function is used with these Roles: Admin, Manager and Teacher

Grab Curriculum

This function is used to grab Subject's Sections, Chapters and Lessons and show them to user.

Delete Button

This function is used to delete Subject's item and is only shown to Teacher.

Grab Curriculum

This function is used to grab Subject's Sections, Chapters and Lessons and show them to user.

N.B Parents and Students ONLY are shown List of Lessons that are already shared with them not Full Curriculum Lessons.

Related Pages:

Curriculum Add Page

File Name: curriculum-add.vue

Dropdown to choose Grade

Dropdown to choose Subject (of the chosen Grade)

then a Dropdown of Subject's Sections is shown and under it an input field to add new Section.

If the user chose a Section from the Dropdown then another Dropdown is shown to show the Chapters of that Section and an input field to add new Chapter.

If the user chose a Chapter from the Dropdown then another Dropdown is shown to show the Lessons of that Chapter and an input field to add new Lessons.

Input Field is the Name of the added item (Section, Chapter)

in case of Lesson there are 2 input fields (Name and Order (which is a number representing the order of that Lesson within that Chapter))

And a Submit Button to add new data.

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher)

Teachers (Admin, Manager, Secretary)

Lesson Page

File Name: lesson.vue

Similar to Normal Timetable except it shows Class name beside the Lesson # - instead of Subject(s)

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher)

Teachers (Admin, Manager, Secretary)

Lesson Edit Page

File Name: lesson-edit.vue

Similar to Normal Timetable except it shows Class name beside the Lesson # - instead of Subject(s)

Actions Bar:

Classes (Manager, Secretary, Admin, Teacher)

Teachers (Admin, Manager, Secretary)

Attendance

When a Teacher clicks on Attendance link in menu, he is redirected to Enter Attendance Page for one of his Classes, providing attendance for this Class is not entered yet (none of the Students of this Class is marked as Present Today), if all of his Classes has their Attendance entered, he is redirected to Enter Leave Page. He will be able to go to Main Attendance Page using Button in Actions Bar.

For Students Affairs when clicks on Attendance link in menu, he is redirected to Enter Permissions Page for Today and he can navigate to Main Attendance Page using Button in Action Bar.

For Manager, Secretary and Admin when click on Attendance link in menu, they are redirected to Main Attendance Page.

For Parent when clicks on Attendance link in menu, he is redirected to Main Attendance Page showing Attendance Statistics for one of his Kids.

For Student when clicks on Attendance link in menu, he is redirected to Main Attendance Page showing his own Attendance Statistics.

File Name: attendance.vue

Related Classes: Attendance

This is the Main Attendance Page and is intended to show Attendance Statistics.

Manager, Secretary, Students Affair & Teacher View

Attendance Statistics for their related Classes together and data is shown as a pie chart and a table to display numbers of Present, Late Comer, Absent, Absent with Permission, Early Leave and Early Leave with Permission.

A collapsible list for every type except Present to display list of classes and names of students for each type.

Parent and Student View

Attendance Statistics for a Student and data is shown as a pie chart and a table to display numbers of Present, Late Comer, Absent, Absent with Permission, Early Leave and Early Leave with Permission.

A collapsible list for every type except Present to display the list of dates and permissions (if exists) for each type.

Actions Bar:

Enter Attendance (Teacher)

Enter Leaves (Teacher)

Attendance Report (Admin, Manager, Secretary and Students Affairs)

Classes (Admin, Manager, Teacher, Secretary and Students Affairs)

DatePicker (Admin, Manager, Secretary and Students Affairs)

Enter Permissions (Students Affairs)
Kids (Parent)

Enter Attendance Button redirects the Teacher to Enter Attendance Page where he can enter the Attendance of the students of Today.

Enter Leaves Button redirects the Teacher to Enter Leaves Page where he can enter the Leaves of the students of Today.

Attendance Report Button redirects the user to Attendance Report Page where he can view statistics of attendance of different dates and for different classes.

Enter Permissions Button redirects the Students Affair to Enter Permissions Page where he can enter the Permissions for Absent or Early Leaves of Today.

Classes Button to display a list of the classes the user is subscribed to.

DatePicker Button to choose a day from the calendar to view attendance statistics for that day.

Functions:

Get Student`s Attendance

Function to search Class: Attendance and group days for each type of status and display them
This function is for Parent and Student View

Get Complete Attendance for Today

Function to grab all Student`s objectId of linked classes and use these objectId to search Class: Attendance using Today`s Data and then group by status and display them
This function is for Admin, Manager, Secretary, Students Affair and Teacher

Get Class`s Attendance

Function to grab all Student`s objectId of a class (chosen from Classes Button in Actions Bar) and use these objectId to search Class: Attendance using Today`s Data and then group by status and display them

This function is for Admin, Manager, Secretary, Students Affair and Teacher

Get Linked Classes List

Function to grab all linked classes to the user.

Related Pages:

Enter Attendance Page

File Name: attendance-entry.vue

Teacher Only Page

Shows a table with students beside each student radio buttons to choose if this student is Present or Late or Absent

Dropdown menu containing only Classes which their attendance is not entered yet and linked to this Teacher

Actions Bar:

Enter Leaves

Main Attendance

Functions:

Save Attendance

Function when save attendance button is clicked to save attendance data for each student within the class list and saves the class as done in Class: AttendanceDone

After successful attendance submission, the list disappears and a message is displayed saying (Attendance for this Class is DONE) and the Teacher can choose another Class from the Classes dropdown (in case there is another class missing attendance)

Send Message to Absent Student's Parent

Function when save attendance button is clicked to send a message automatically to Absent Student's Parent asking if he has permission for the absence (the sender field of these messages is the Students Affair)

Check Class's Attendance

Function to search for a Class linked to the Teacher where Attendance is not done yet

By grab Teacher's Classes and search Class: AttendanceDone for these Classes and Today's Date, and return which of these Classes has not been entered yet. (then only show these Classes in the dropdown menu within Enter Attendance Page)

N.B if a student has permission for absence for many days (entered by Students Affair in Enter Permissions Page) his row in the table is automatically checked as absent and can't be modified)

Push Notifications:

As there is a function to send messages to Absent Student's Parent, they should receive a push notification that there is a new message (just like in Messages)

Enter Leaves Page

File Name: attendance-leave.vue

Teacher Only Page

Shows a table with only present Today Students beside each student checkbox to check if he has left school early Today

Dropdown menu containing all linked Classes

Actions Bar:

Attendance Report
Main Attendance

Functions:**Save Data**

Function to update student`s status to Early Leave and this Teacher is added as the Author in the DB.

Grab Present Students Per Class

Function to grab all Present Today Students for each Class linked to the Teacher.

Grab Teacher`s Classes

Function to grab all Classes linked to the Teacher.

Enter Permissions Page

File Name: attendance-permissions.vue

Students Affair Only Page

Shows a table with only absent and early leave Today Students beside each student checkbox to check if he has permission, text input for the permission and a datepicker to choose multiple days for that permission.

Dropdown menu containing all linked Classes

Dropdown menu to filter Students by status (Absent or Early Leave)

DatePicker to choose another day to enter permissions.

Actions Bar:

Main Attendance
Attendance Report

Functions:**Grab Absent & Early Leave Students Per Class**

Function to grab all Absent and Early Leave Today Students for each Class linked to the Students Affair.

Grab Students Affair`s Classes

Function to grab all Classes linked to the Students Affair.

Enter Permissions Page

File Name: attendance-report.vue

Shows a table containing a list of students of the chosen classes and beside each their total attendance

Dropdown menu containing all linked Classes (can choose more than one class)

Ability to sort the table by any of the attendance status fields (desc and asc)

DatePicker to choose start date.

DatePicker to choose start date.

Using vue-table will be perfect here, its link: <https://github.com/ratiw/vue-table>

A button to show Attendance Report according to the chosen classes, start date and end date

Actions Bar:

Main Attendance (Admin, Manager, Secretary and Students Affairs)

Enter Permissions (Students Affairs)

Functions:

Get Linked Classes List

Function to grab all linked classes to the user.

Get Students List

Function to grab all Students within selected classes.

Get Student`s Attendance

Function to search Class: Attendance and group days for each type of status and display them