



# SLMS

Student Leave Management System

## Purpose of this application

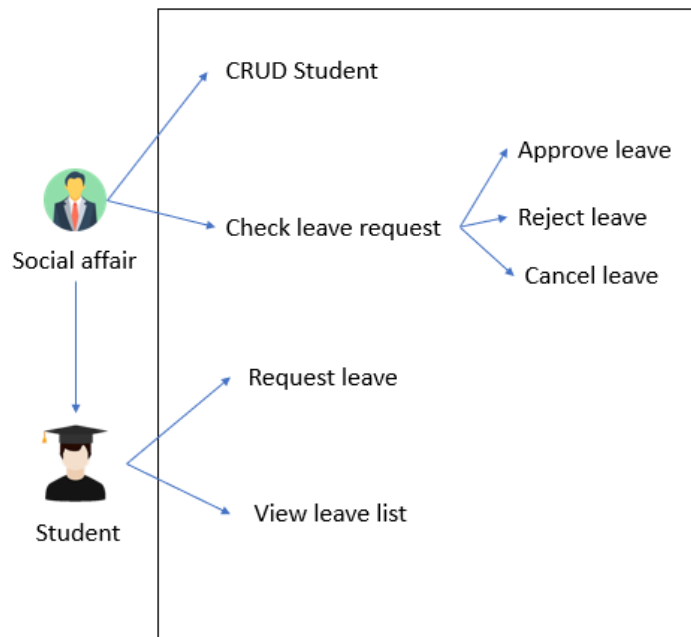
The purpose of this application is to allow students request the leave.

For instance, students are sick, family event, brother or sister marry...

Submit a leave request

- New request
- Leave type: Sick leave, Family Event, Brother & Sister Marry ...
- Start Date – End Date
- Duration
- Cause (reason)
- Requested or Cancel

Use case Diagram:



## Planning

The project must respect the deadlines and must be finished within in 2 weeks

ITERATION	FEATURE
WEEK1	Menu Bar
	New Request
	List all leaves
WEEK2	Authentication (Login both user account ADMIN & STUDENT)
	CRUD Students [Admin]
	Check Leave

## TASK 1 – Menu Bar

Suggestion of sub tasks

TASK	LABEL	DETAIL
Mock Up	[document]	Draw the mock-up of your project
Update CD	[document]	Update the component diagram for frontend
Create menu-bar	[front-component]	<ul style="list-style-type: none"><li>○ The logged user shall be displayed on the menu bar</li><li>○ The 3-menu item shall link to 3 empty views (component)</li><li>○ A Logout menu item on the right side<ul style="list-style-type: none"><li>○ When logout the user id is removed from local storage</li></ul></li></ul>

Menu for student's role:

SLMS	List all leave	New Request	Username	Sign out
------	----------------	-------------	----------	----------

Menu for Social affair's role:

SLMS	Students list	Check leave	Username	Sign out
------	---------------	-------------	----------	----------

## TASK 2 – New Request

When the student clicks on New Request it shall display the form to input some data such as:

- Leave type
- Start date (Morning or Afternoon)
- End date (Morning or Afternoon)
- Duration of leave (Count the day start from start-date to end-date)
- Reason of leave (cause)

After user click on submit all those data need to send to back-end and store in database.

Note: all fields are required except Reason(cause).

SLMS

List all leave

New Request

Username

Sign out

### Request Leave Form

Leave Type:

Sick leave

Start Date:

11/02/2022

Morning

End Date:

14/02/2022

Afternoon

Duration:

3 days

Cause (Reason):

Submit

TASK	LABEL	DETAIL
Mock Up	[document]	Draw the mock-up of your project
Update ERD	[document]	Update the ERD document of your database
Update Route	[document]	Update the route document backend/frontend
Update CD	[document]	Update the component diagram for frontend
Create leave request	[back-end]	<ul style="list-style-type: none"><li>o Manage: route / controller / model /migration</li><li>o Create request leave</li><li>o Validation on information required</li></ul> ...
Create request leave form	[front-component]	Create form to request leave following the fields needed above.

## TASK 3 – List all Leaves

### I. List all the leaves

After the student create leave they can view their leave request by click on **List all Leaves**. It shall display all the information that have in input fields and include with **date of the request** created.

In the list have status of the request there are four status:

- **Padding**: mean social affaire didn't check the leave yet (by default after request leave).
- **Approved**: mean social affaire is allowed you to leave.
- **Rejected**: mean social didn't allow student to leave.

### II. Filter the leave

- Filter by Leave types
- Filter by status

**SLMS**   List all leave   New Request   Username   Sign out

Filter by status  
Show all ▼

Filter by leave types  
Show all ▼

Search

Start Date	End Date	Reason	Duration	Leave type	Status	Request Date
11-Feb-2020	13-Feb-2020	Go to hometown	2	Family's event	Padding	08-Feb-2020
12-Jan-2020	12-Jan-2020	Go to hospital	0.5	Sick leave	Approved	12-Jan-2020
20-Jul-2019	21-Jul-2019	Join sister wedding	1	Brother or...	Canceled	19-Jul-2019
10-Jan-2019	10-Jan-2019	Play football	0.5	Family's event	Rejected	10-jan-2019

TASK	LABEL	DETAIL
Mock Up	[document]	Draw the mock-up of your project
Update ERD	[document]	Update the ERD document of your database
Update Route	[document]	Update the route document backend/frontend
Update CD	[document]	Update the component diagram for frontend
List all the requests	[back-end]	<ul style="list-style-type: none"><li>o Manage: route / controller / model /migration</li><li>o list all leave requests</li><li>o Calculate the duration of leave.</li></ul> ...
Create list all requests view	[front-component]	Display the view following the example above.

## TASK 4 – Authentication

We have two roles in the system one is Social affair one is the student. We need a login form with:

- Email (need to be strict only passerellesnumber's email)
- Password (must more than 8 characters)

**Sign In**

Email

Password

Sing in

I. If user login as social affair role shows this menu:

SLMS Students list Check leave Username Sign out

II. If user login as the student role shows this menu:

SLMS List all leave New Request Username Sign out

TASK	LABEL	DETAIL
Mock Up	[document]	Draw the mock-up of your project
Update ERD	[document]	Update the ERD document of your database
Update Route	[document]	Update the route document backend/frontend
Update CD	[document]	Update the component diagram for frontend
Create form login	[front-end]	Create a component with two input fields <ul style="list-style-type: none"><li>- Email</li><li>- Password</li></ul>
User login	[back-end]	<ul style="list-style-type: none"><li>o Manage: route / controller / model /migration</li><li>o Create request leave</li><li>o Validation on information required</li></ul> ...
User Logout	[front-end]	When user click on menu logout everything will be return to login form again.

## TASK 5 – CRUD Student

Social affair is able to manage on the student such as:

### I. View all student

When user click on Student List, the system shall display the information of all the student with Button ADD STUDENT and Filter option. In filter option we need to have two options:

- Filter by batch
- Search by student's name.

### II. Add student

In Student List menu we shall see a button to **add student**. Then if user click on that button it will a form dialog to input the information of the student such as

- First name\*
- Last name\*
- Gender\*
- Batch\*
- Email\*
- Phone\*
- Password (system need to insert default password: **12345678**)

After fill all the information. User is able to click on submit button to submit data and save in database.

### III. Delete student

In the list of the student, very student shall have a button to that able to delete the student. When user click button delete it shall alter the popup to clarify the action ***"Are you sure to delete?"***

### IV. View student detail

On view student's list shall have an option to display the student detail information such as:

- Personal information:
  - o First name
  - o Last name
  - o Gender
  - o Batch
  - o Email
  - o Phone
- All leave request data

## TASK 6 – Check Leave

Only social affair office that have this option. Whenever the student request leave it shall display list of the request with two button option they are: Reject option and Approve option

### I. Reject option

When user click on this option system shall alert a popup to clarify the action of the user ***“Are you sure you want to reject?”***

- I. Approve option

When user click on this option system shall alert a popup to show the action is successfully.

## TASK 7- Reset password [student]

Update the menu bar of the student’s view to have an option RESET PASSWORD. That allow the student able to update the new password after they login by using default password that generate from the system. The form to update the password need to have:

- Two fields input password such as:
  - o Password
  - o Confirm Password
- Those two fields need to match together
- The password needs to longer that 7 characters.