



**Design Improvements Using
Wireframes and User Feedback
School Management System Application**

Group ID: 2021S2_REG_WE_36

Group Name: Mind Maps

Group Members:

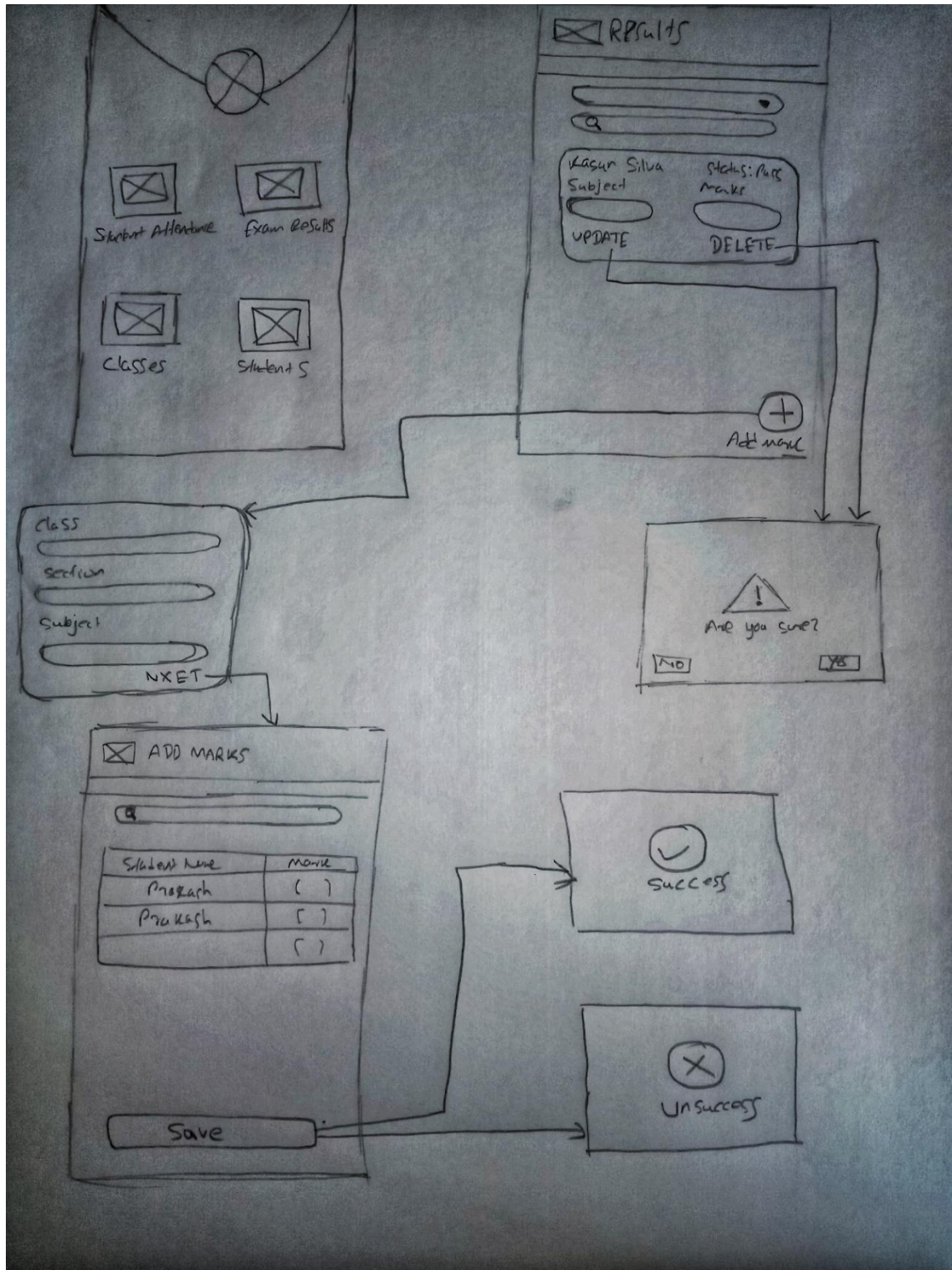
ID Number	Name
IT19143828	Munasinghe M. A. S. S.
IT19220048	Jayasekara D.D.K.G
IT19099132	Rajakaruna R.W.P.C
IT19204062	Chamudini H.A.N

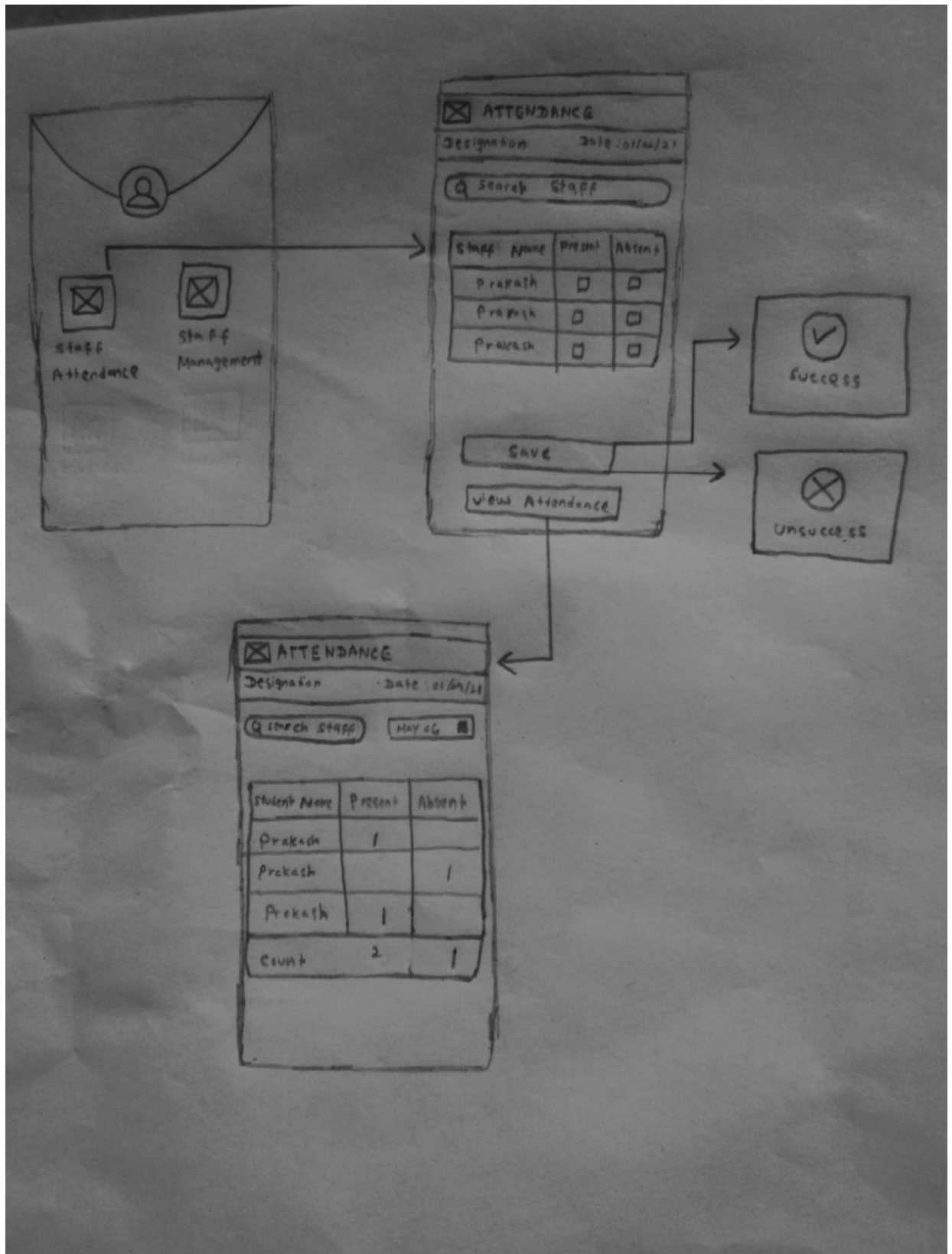
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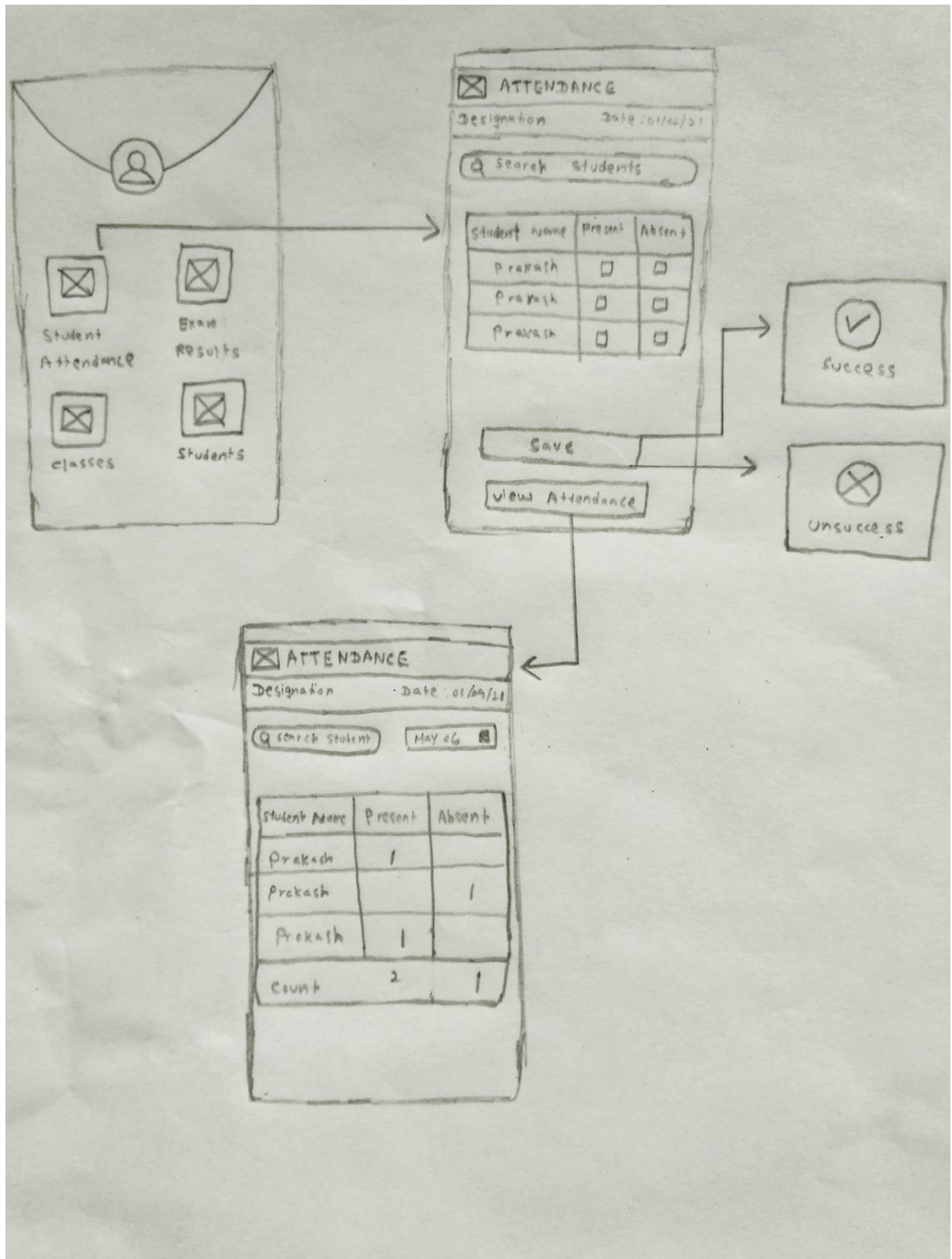
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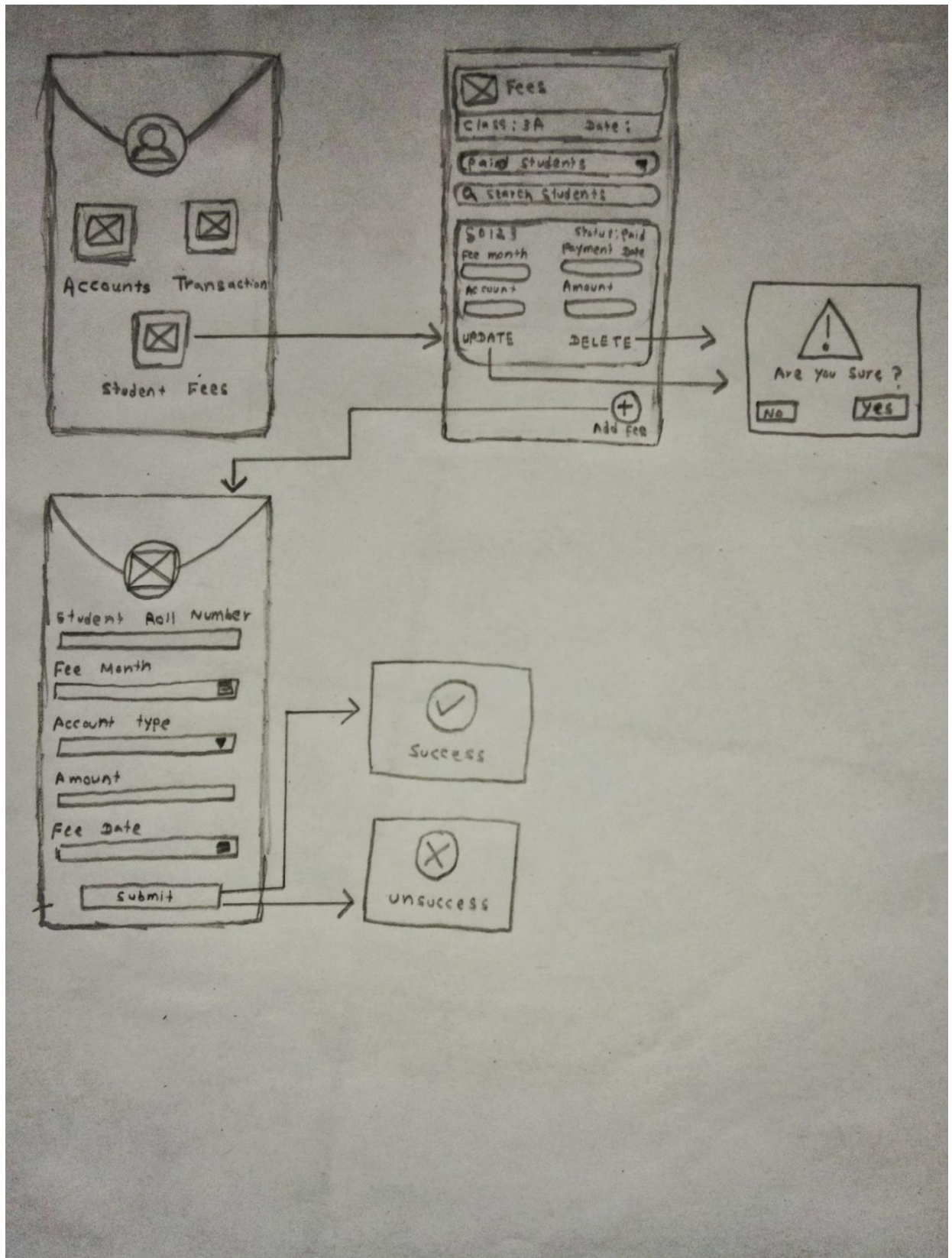
Sketching

IT19143828 - Munasinghe M.A.S.S



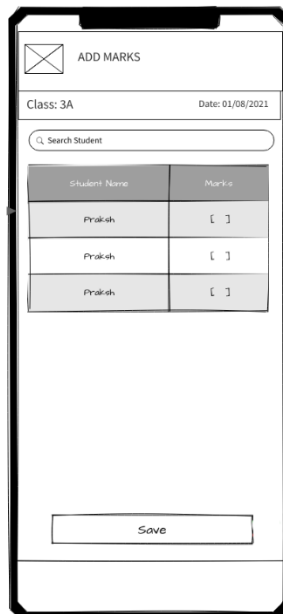
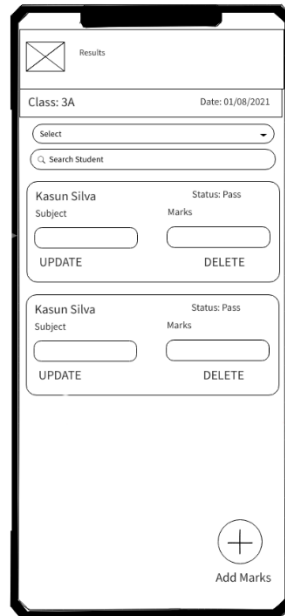
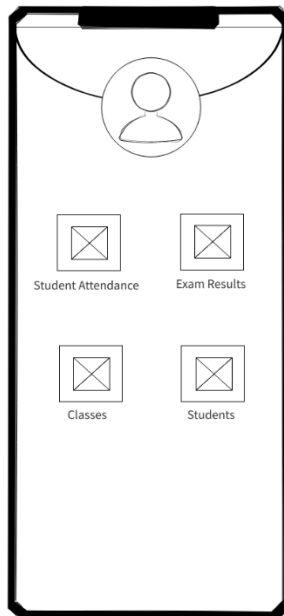


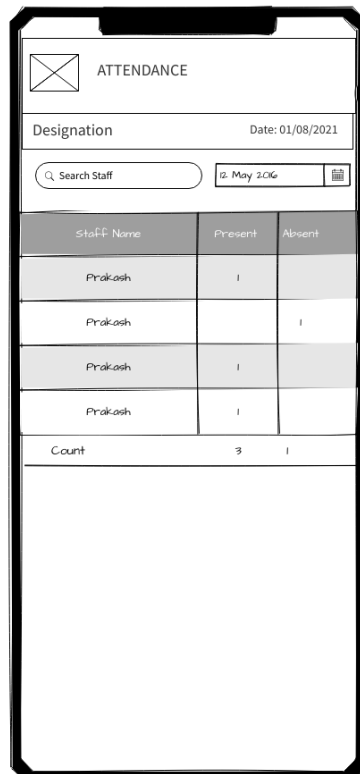
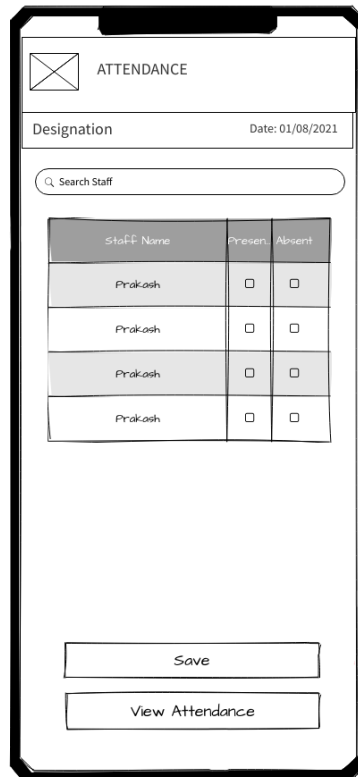
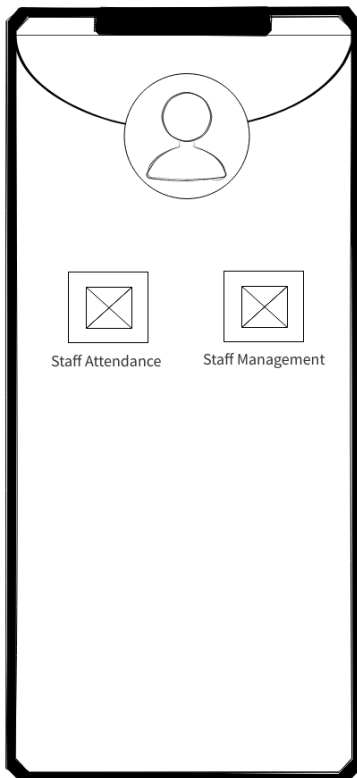


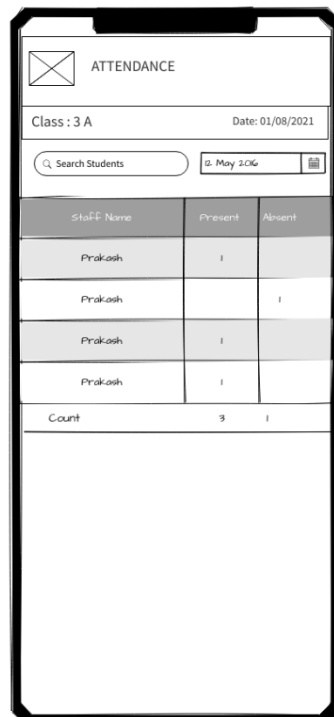
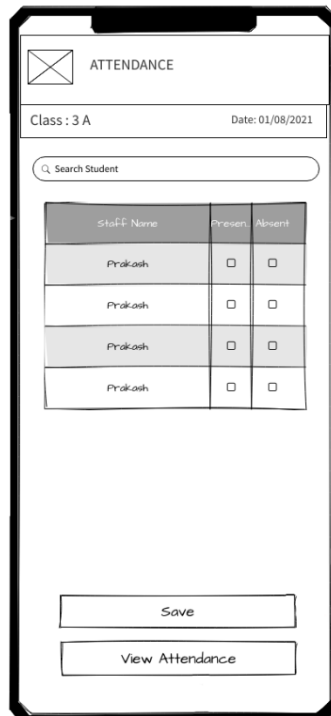
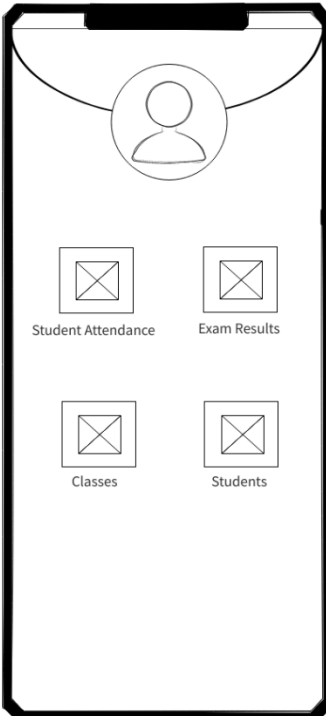


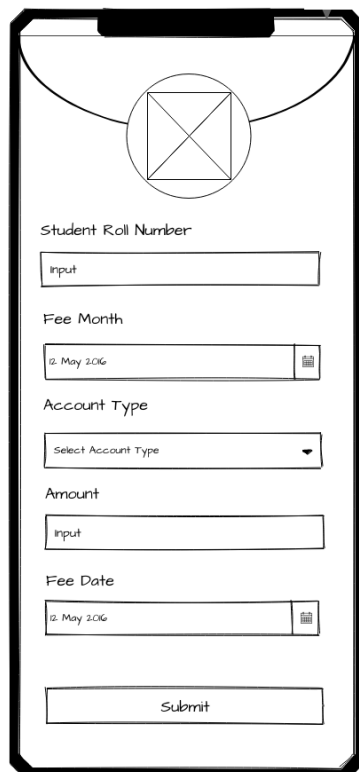
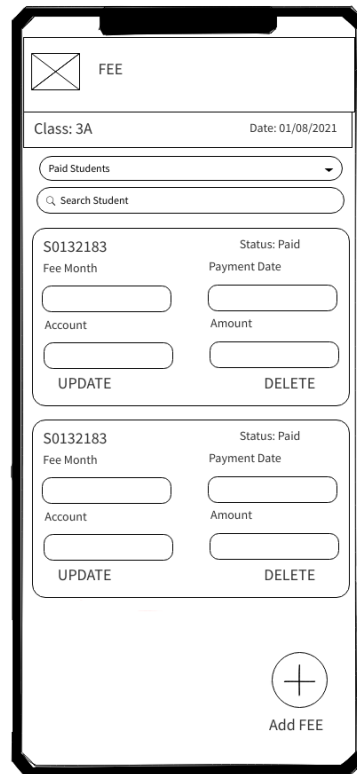
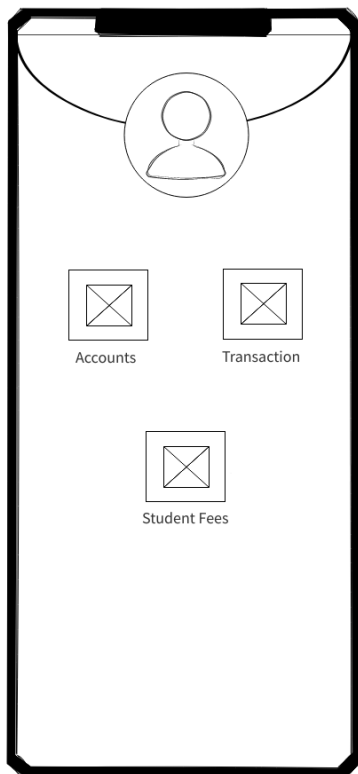
Wireframes

IT19143828 - Munasinghe M.A.S.S

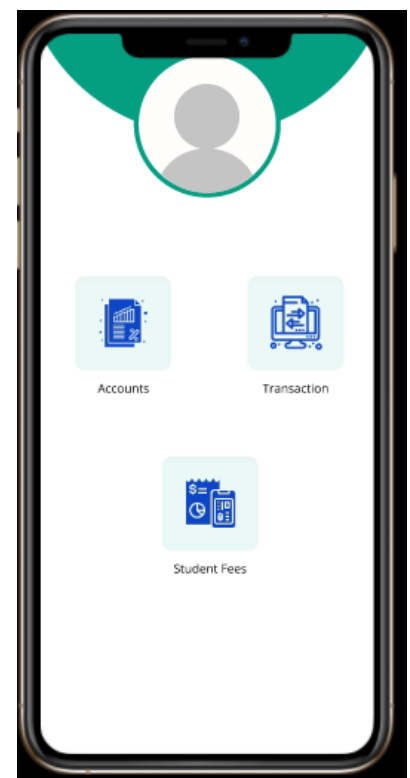
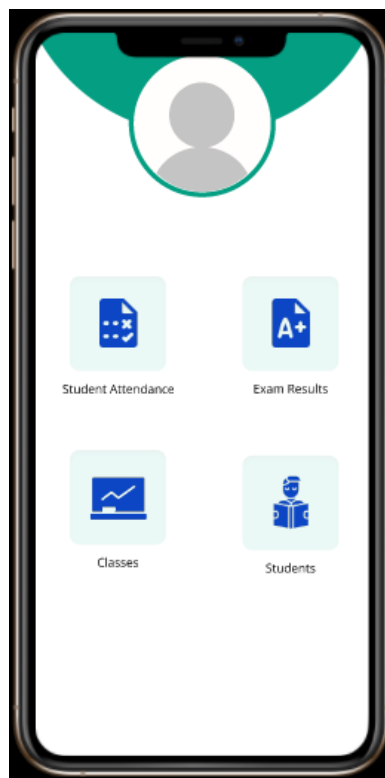
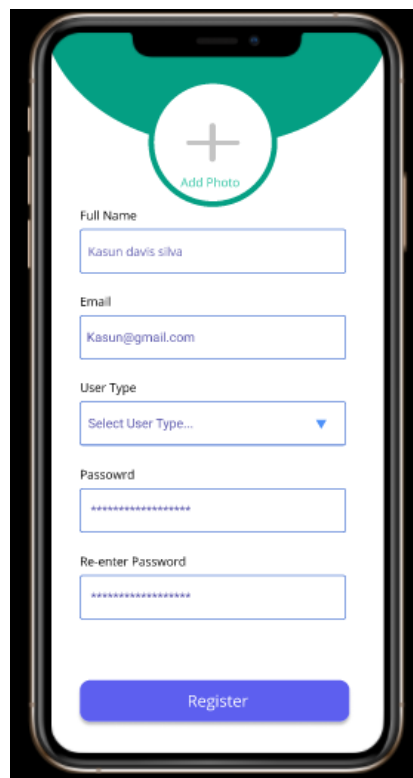
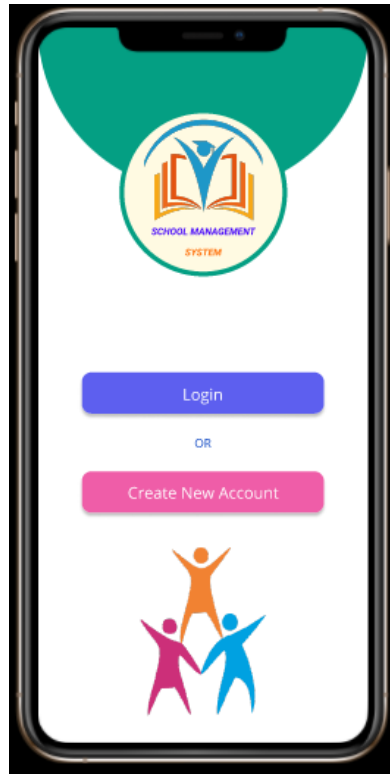


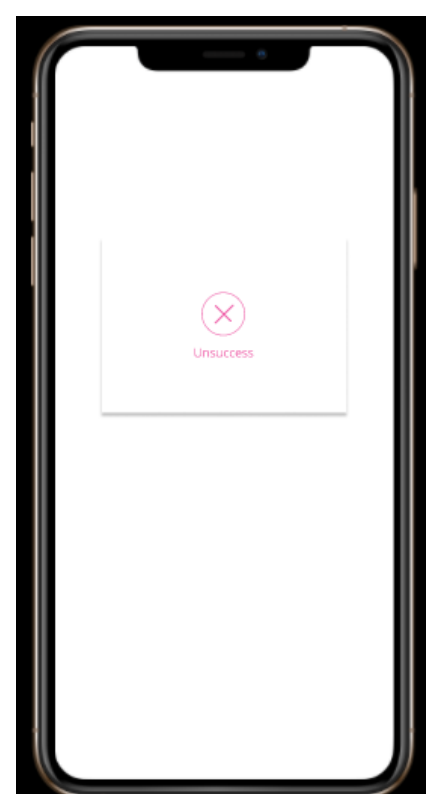
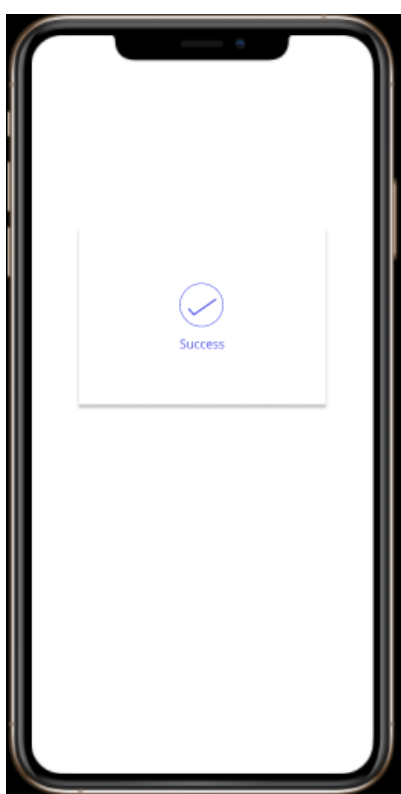
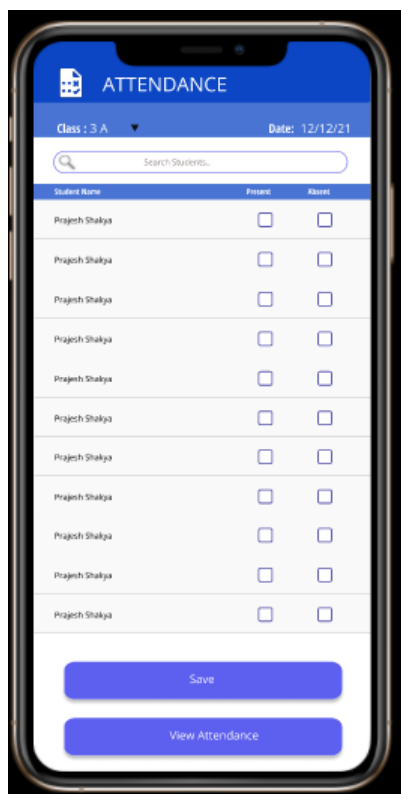
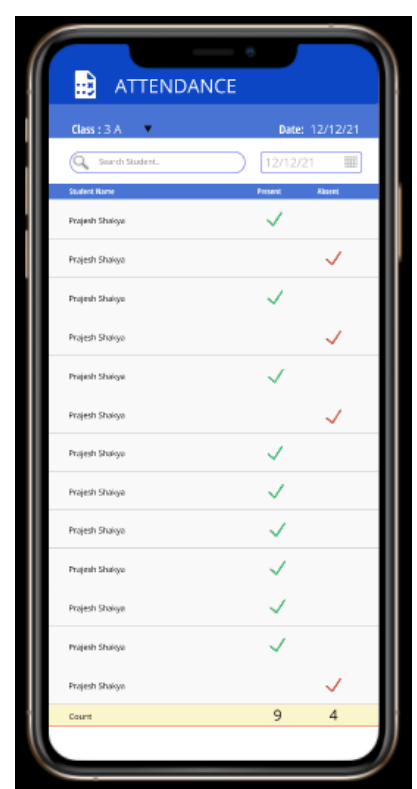
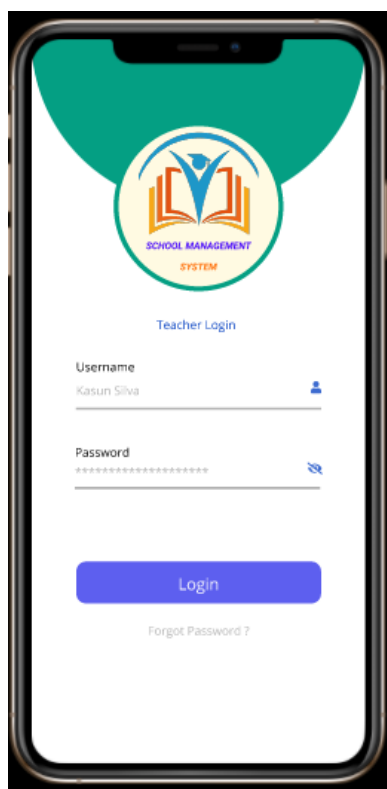
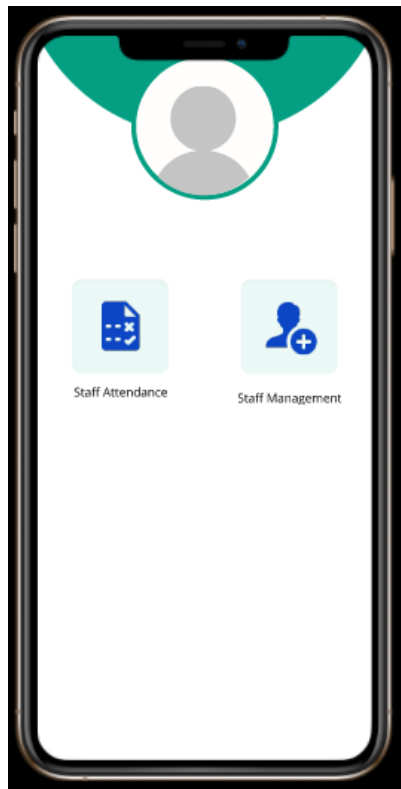


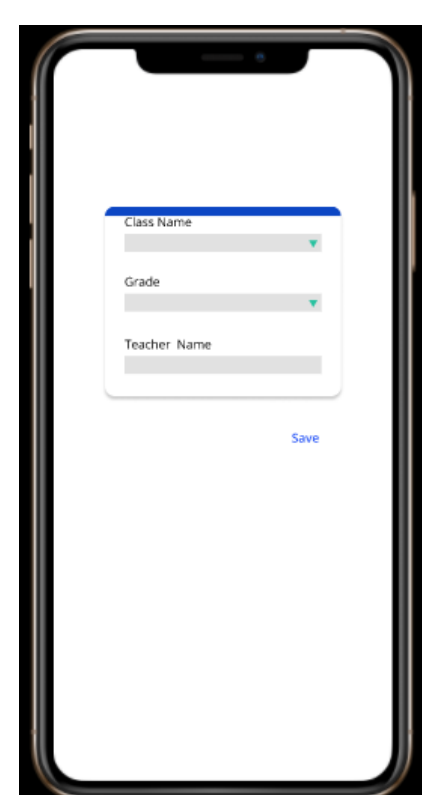
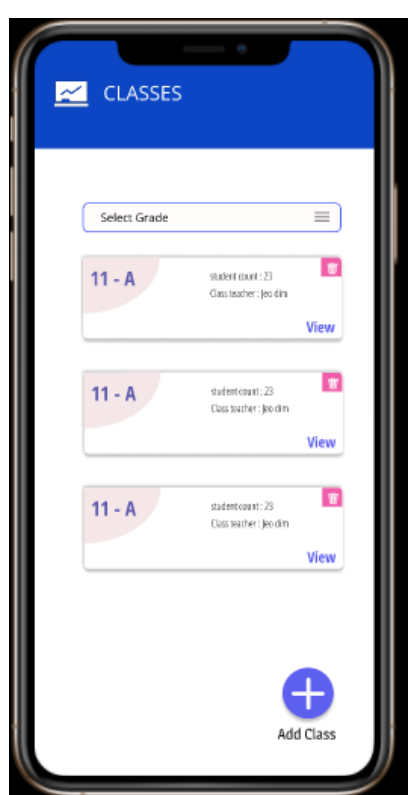
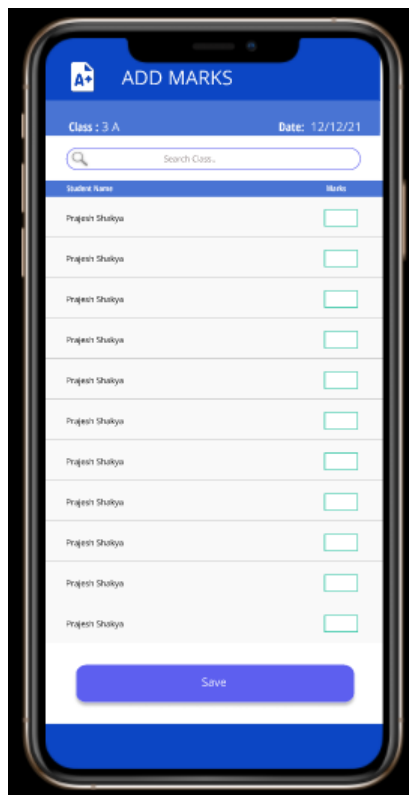
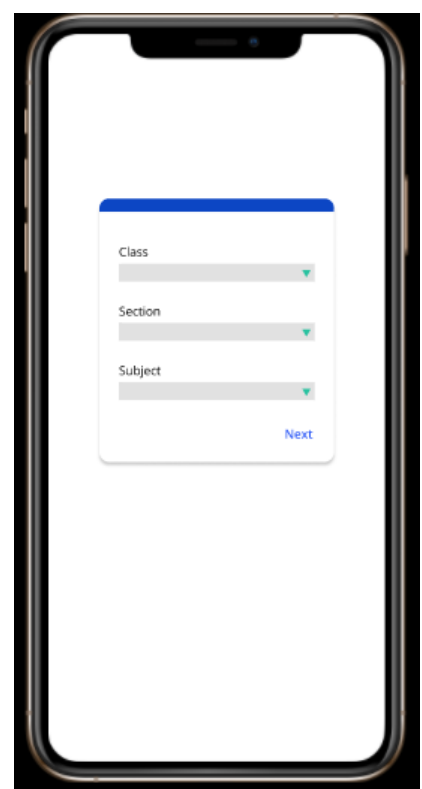
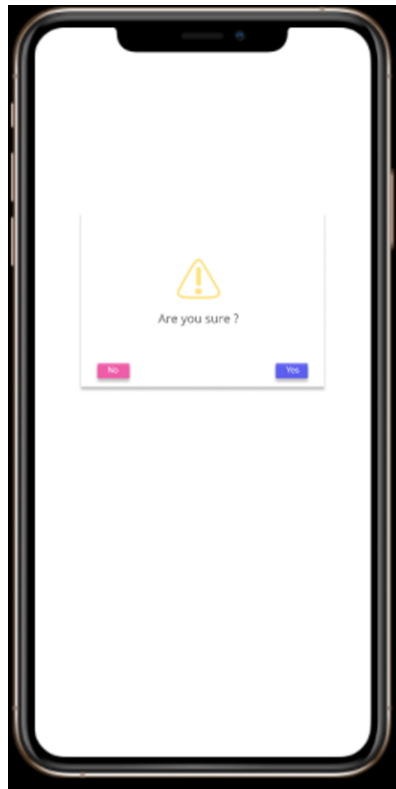




Prototypes (version 1.0)







STUDENTS

Class: 3 A Date: 01/06/21

Class 3.A

Search Students...

Kasun Silva

Student ID: 144056475075 Date of Birth: 1898-12-03

Guardian Name: Saman Silva Guardian Phone: 971-764781

UPDATE DELETE

Kasun Silva

Student ID: 144056475075 Date of Birth: 1898-12-03

Guardian Name: Saman Silva Guardian Phone: 971-764781

UPDATE DELETE

+ Add Student

+ Add Photo

Student Class: Select Class...

Student ID: Kasun@gmail.com

Student Name: Kasun Siriwardana

Student DOB: 2002-10-27

Guardian Name: Saman Siriwardana

Guardian Phone: 076-8781238

Add Student

SCHOOL MANAGEMENT SYSTEM

Accountant Login

Username: Kasun Silva

Password: *****

Login

Forgot Password ?

Bank Name

Account Number

SAVE

Transaction

Select Account Number

Date: 2021 - 09 - 06

Description: Class..

Amount: Rs. 2000

Bal = 20000

☒ Cash In ☐ Cash Out

+ Make Transaction

ACCOUNTS

Search Account..

BOC Acc No: 5235365464646 Balance: Rs. 288100 View

BOC Acc No: 5235365464646 Balance: Rs. 288100 View

BOC Acc No: 5235365464646 Balance: Rs. 288100 View

+ Add Account



FEE

Class : 3 A

Date: 01/06/21

Paid Students

▼

🔍

Search Students.

S2014242

Fee Month

2021-06-01

Account

BOK

Payment Date

2021-06-01

Amount

Rs. 2000

Status: Paid

UPDATE

DELETE

S2015433

Fee Month

2021-05-01

Account

BOK

Payment Date

2021-05-01

Amount

Rs. 2000

Status: Paid

UPDATE

DELETE

+

Add Fee

Pay Fee

Student Roll Number

S2014242

Fee Month

2021-06-01

Account Type

Select Account Type ▼


Amount

Rs. 2000

Fee Date

2021-06-01

Submit



ATTENDANCE


Designation ▼

Date: 12/12/21

Staff Name	Present	Absent
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shalika	<input type="checkbox"/>	<input type="checkbox"/>

Save

View Attendance



ATTENDANCE

Designation ▼

Date: 12/12/21

Staff Name	Present	Absent
Project Shalaya	✓	
Project Shalaya		✗
Project Shalaya	✓	
Project Shalaya		✗
Project Shalaya	✓	
Project Shalaya		✗
Project Shalaya	✓	
Project Shalaya	✓	
Project Shalaya	✓	
Project Shalaya	✓	
Project Shalaya	✓	
Project Shalaya	✓	
Project Shalaya		✗
Count	9	4

STAFF

Designation : Teacher

Date: 01/06/21


Teacher

▼

🔍

Search Staff.....

Nimal Zoysa



NIC

1440546475075

Date of Birth

1889-12-08

📅

Phone Number

1440546475075

Joining Date


2021-10-03

📅

UPDATE

DELETE

Nimal Zoysa



NIC

1440546475075

Date of Birth

1889-12-08

📅

Phone Number

1440546475075

Joining Date

2021-10-03

📅

UPDATE

DELETE

+

Add Staff

Designation *

Select Designation... ▼

Name *

Kasun Siriwardana

Date of Birth

2002-10-27

NIC *

143654626544

Phone Number

076-8781238

Joining Date *

2021-10-10

Add Staff

Admin

Full Name:
Prajesh Shakya

Email:
prabash@gmail.com

User Type:
Select User Type... ▼

Password:

Update

User Feedback

Interview Script:

Interview 1 –

Hello Sir,

I would like to thank you for participating this interview.

In this interview, we will show the new design idea of the application that I got your feedback last time. We want to get some thoughts about our new app design from you. Please share your honest thoughts as we go along. I will be sharing my screen and you can tell us your thoughts about the new design.

Question: Is there anything else you'd like to know before we start?

This is the splash screen and then it will redirect to this page. In this page you can select Login option or Create new account option. After clicking login button, it will ask the user type. Then you can enter the username and the password and then you can see the home page according to the user type.

Question: What do you think about this login pages and home page of a teacher?

Student attendance, exam results, classes and students are the four options of the teacher's home page. First, I'll go through the student attendance function. In student attendance option teacher can mark each student attendance by selecting a grade and then teacher has to put a tick in the relevant checkbox. And also, teacher can view attendance when clicking view attendance button in here.

Question: Sir, what do you think about this interface?

Next, we will move on to the next option. When clicking exam results button, it will navigate to this page. We can find out students results by selecting class from this dropdown button. And also, we added a search bar. If the teacher wants to change or delete these results, he can do it by clicking these options. Delete functions were located on the custom queries page of the old app. We've added delete options to relevant pages.

Question: Sir how is this interface?

When teacher wants to add further exam results, he can add by clicking plus icon in here.

Question: Sir what's your idea about this interface?

Now, I am moving to the next option. It is classes function. In here teacher can view added all classes and when clicking add class button he can add a new class to the system.

Question: Sir, Is there any issues?

Then, I am moving to the next student option. In here teacher can view added all students and there are delete and update option also. When clicking add student button he can add a new student to the system.

Question: Sir, what do you think about this interface?

Question: Do you think we should change these interfaces furthermore?

Question: Thank you for your valuable feedbacks and time Sir.

<Feedbacks are recorded in the video recording>

Interview 2 –

Hello Sir,

I would like to thank you for participating this interview.

In this interview, we will show the new design idea of the application that I got your feedback last time. We want to get some thoughts about our new app design from you. Please share your honest thoughts as we go along. I will be sharing my screen and you can tell us your thoughts about the new design.

Question: Is there anything else you'd like to know before we start?

This is a splash screen and then it will redirect to this page. In this page you can select Login option or create new account option. After creating account, you can see home page in this app. In previous app it was difficult to identify functions for relevant user. We fixed it like this.

Question: What do you think about those interfaces?

In accountant home page have three sections accounts, transactions, and account fees. First, I am going through the Account option. In account section accountant can view added account details. And by clicking + icon accountant can add another account for the system.

Question: Sir, what do you think about this interface?

Then when clicking transaction button, it navigates to this page. We added a dropdown to select the account number.

Question: Is there any issues Sir?

Next, we will move on to the next one. It is student fee function. Accountant can add fee details when clicking + icon in here. We can find out paid students and non-paid students by selecting the dropdown. And also, from here user can see the status of the payment of each student. If accountant wants to update any details, he can update details by clicking here. If He wants to delete details, he can delete details by clicking delete button. Delete functions were located on the custom queries page of the old app. We've added delete options to relevant pages.

Question: Sir, what do you think about this interface?

Next, I am going to move on the next function. It is admin function. In admin function admin can mark staff attendance by putting a tick in this checkbox. And also, he can view attendance by clicking this button.

Question: Sir, what do you think about this interface?

Next we will move on to the next one. It is staff management function. In here, admin can view added staff members to the system and can add another staff member when clicking + sign.

Question: Sir, what's your idea of this interface?

These interfaces are success alert boxes and error alert boxes.

Question: What do you think about those alert boxes?

Question: Ok Thank you for your valuable feedbacks and time Sir.

<Feedbacks are recorded in the video recording>

Interview Video Link:

Interview 1 – <https://web.microsoftstream.com/video/cb3b1720-cf54-4744-bd61-dbbb9048b829>

Interview 2 – <https://web.microsoftstream.com/video/8bf804b6-455f-4c55-9900-edd340dff01>

Changes Requested by the Interviewer

- Add images to the relevant home pages.
- Add back buttons.
- Change alert box in middle of the page.

Changes made after the Interview

- Add images to the relevant home pages.
- Add back buttons.
- Change alert box in middle of the page.

Below attached Prototypes (version 2.0) after change the Interview.

Prototype (version 2.0)

Welcome

SCHOOL MANAGEMENT SYSTEM

Re-Design By : Mind Maps co

Login

OR

Create New Account

Register

Full Name
Kasun davis silva

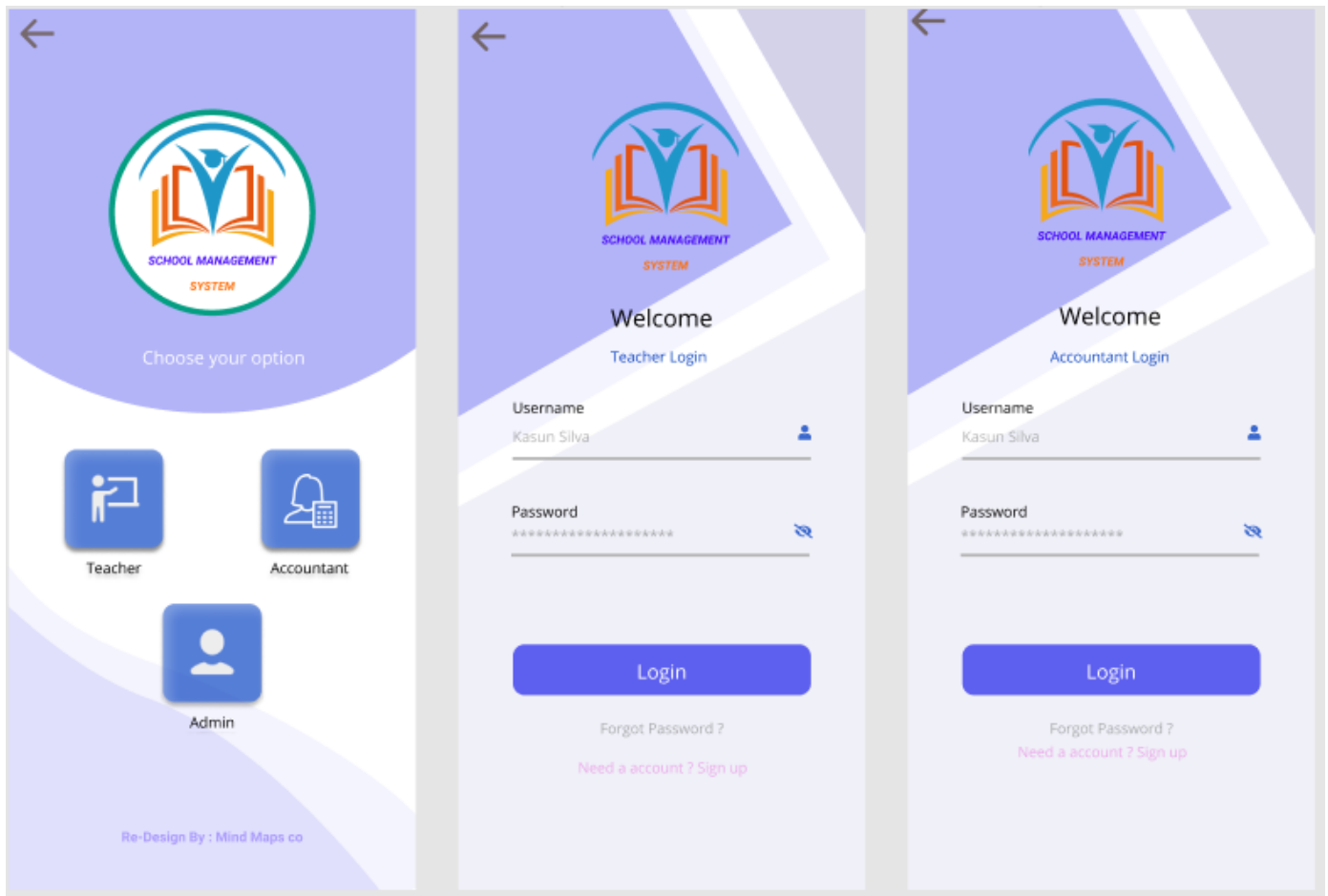
Email
Kasun@gmail.com

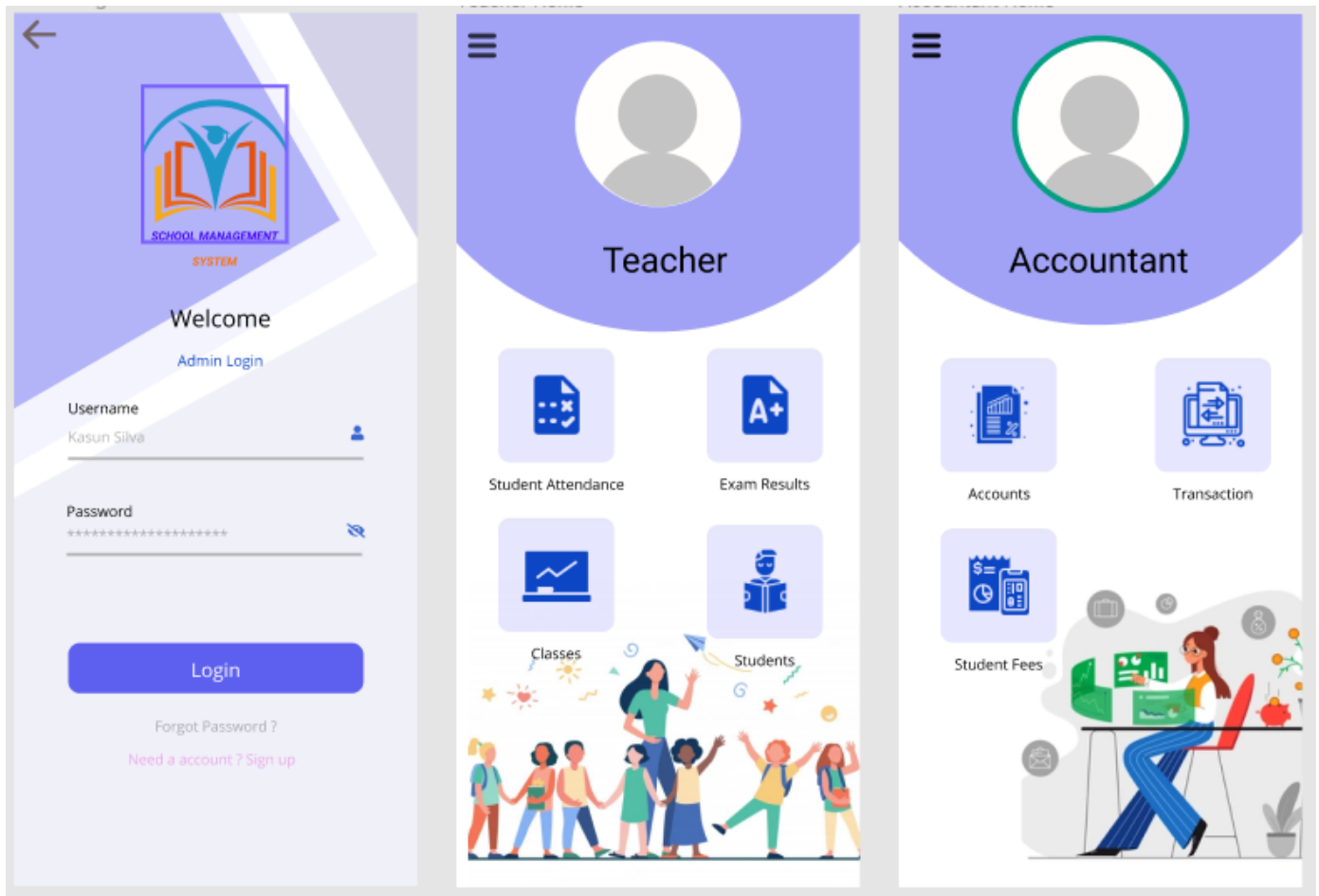
User Type
Select User Type...

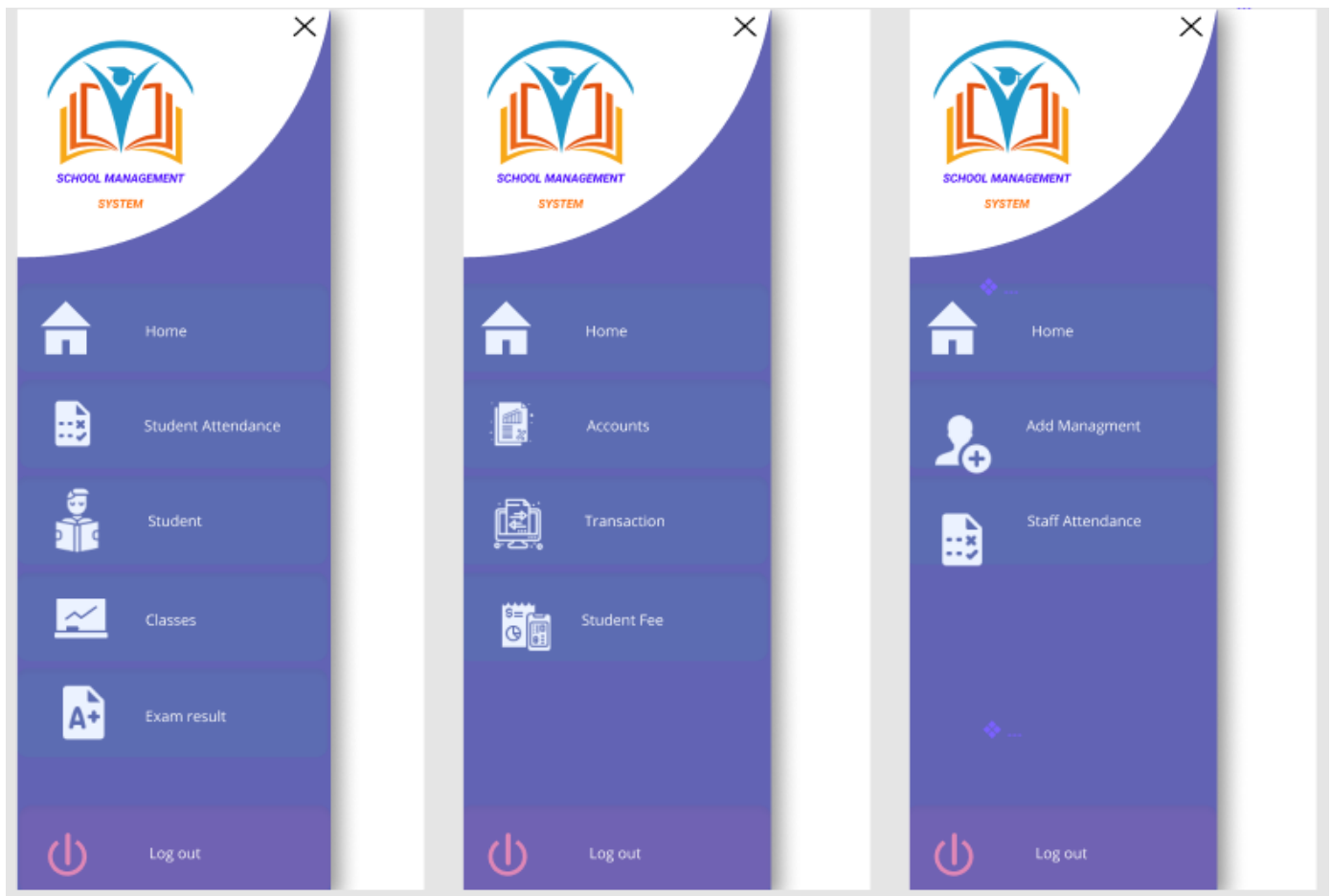
Password

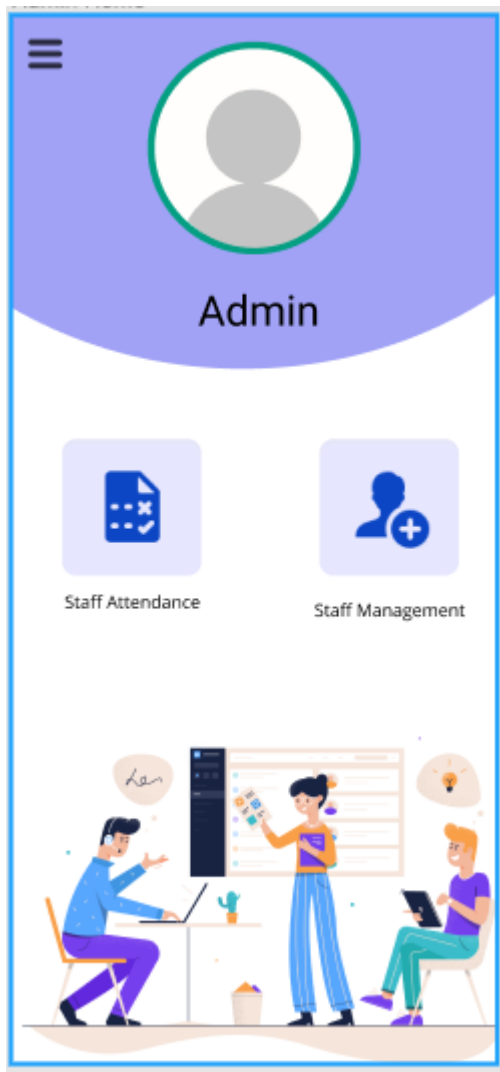
Re-enter Password

Already have account ? Sign in









Student Class

Select Class... ▼

Student ID

Kasun@gmail.com

Student Name

Kasun Sirlwardana

Student DOB

2002-10-27

Guardian Name

Saman Sirlwardana

Guardian Phone

076-8781238

Add Student

Class Name

Grade

Teacher Name

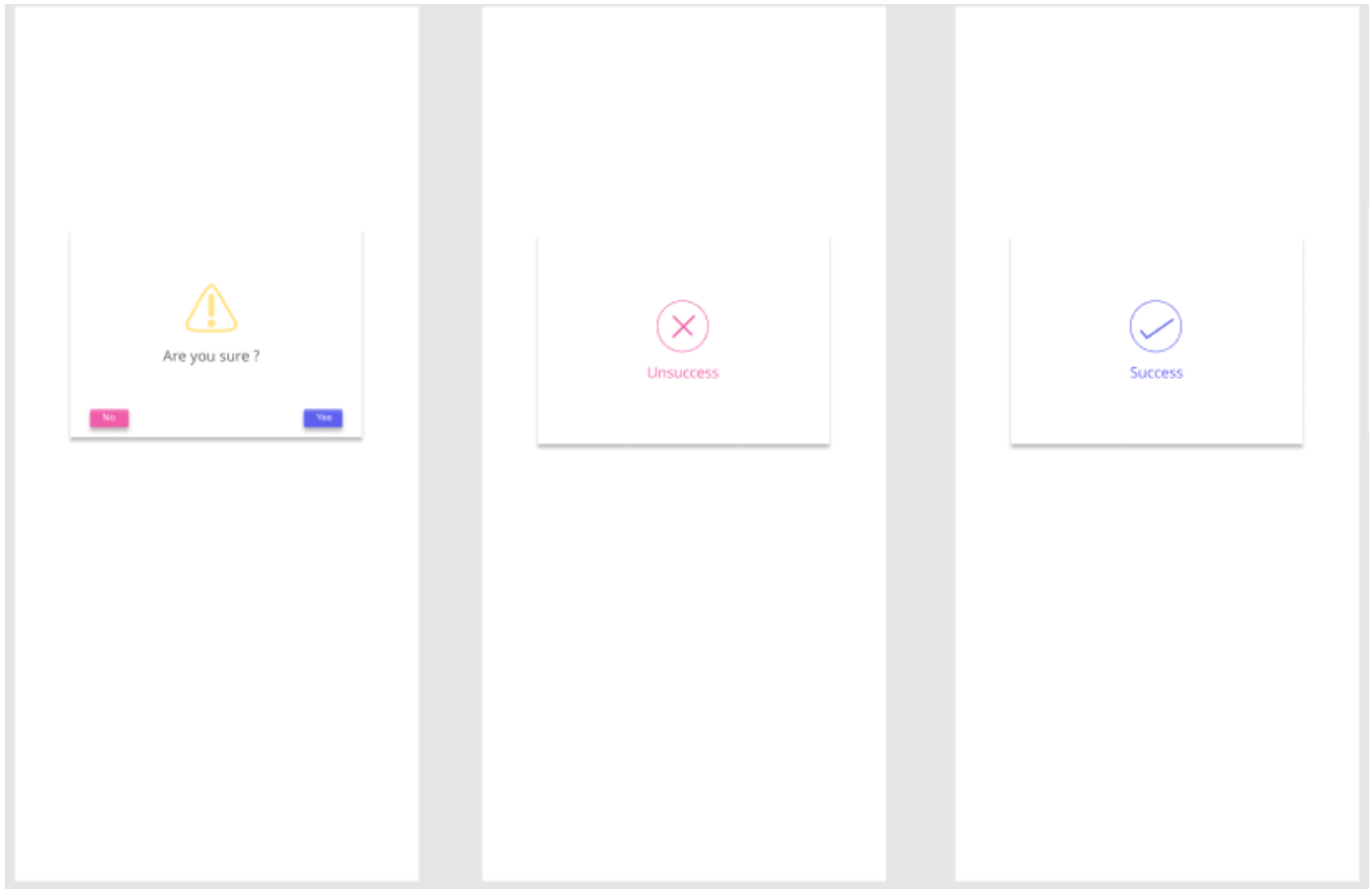
[Cancel](#) [Save](#)


Class

Section


Subject

[Cancel](#) [Next](#)






ATTENDANCE



Class : 3 A

Date: 12/12/21

12/12/21



Student Name	Present	Absent
Prajesh Shakyu	✓	
Prajesh Shakyu		✓
Prajesh Shakyu	✓	
Prajesh Shakyu		✓
Prajesh Shakyu	✓	
Prajesh Shakyu		✓
Prajesh Shakyu	✓	
Prajesh Shakyu	✓	
Prajesh Shakyu	✓	
Prajesh Shakyu	✓	
Prajesh Shakyu	✓	
Prajesh Shakyu	✓	
Prajesh Shakyu		✓
Count	9	4

2021S2_REG_WE_36

ADD MARKS

Class : 3 A
Date: 12/12/21

Student Name	Marks
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>
Prajesh Shakya	<input type="text"/>

Save

CLASSES

Select Grade

11 - A

student count : 23
Class teacher : Jee dim

View

11 - A

student count : 23
Class teacher : Jee dim

View

11 - A

student count : 23
Class teacher : Jee dim

View

Add Class

STUDENTS

Class: 3 A
Date: 01/06/21

Kasun Silva

Student ID

Date of Birth

Guardian Name

Guardian Phone

UPDATE

DELETE

Kasun Silva

Student ID

Date of Birth

Guardian Name

Guardian Phone

UPDATE

DELETE

Add Student

ACCOUNTS

Search Account...

BOC

Acc No: 52353654646646
Balance: Rs. 280100

View

BOC

Acc No: 52353654646646
Balance: Rs. 280100

View

BOC

Acc No: 52353654646646
Balance: Rs. 280100

View

+

Add Account

Add Account

Bank Name

Account Number

Cancel

SAVE

Transaction

Select Account Number

Date

2021 - 09 - 06

Description

Class..

Amount

Rs. 2000

Bal = 20000

☒ Cash In

☐ Cash Out

+

Make Transaction

ATTENDANCE

Designation ▼
Date: 12/12/21

Staff Name	Present	Absent
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>
Prajesh Shakya	<input type="checkbox"/>	<input type="checkbox"/>

Save

View Attendance

ATTENDANCE

Designation ▼
Date: 12/12/21

Staff Name	Present	Absent
Prajesh Shakya	✓	
Prajesh Shakya		✓
Prajesh Shakya	✓	
Prajesh Shakya		✓
Prajesh Shakya	✓	
Prajesh Shakya		✓
Prajesh Shakya	✓	
Prajesh Shakya	✓	
Prajesh Shakya	✓	
Prajesh Shakya	✓	
Prajesh Shakya	✓	
Prajesh Shakya	✓	
Prajesh Shakya		✓
Count	9	4

Student Roll Number

Fee Month

Account Type

Amount

Fee Date

Submit

FEE

Class : 3 A
Date: 01/06/21

Paid Students

Search Student

S2014242

Fee Month

2021-06-01

Account

BOC

Payment Date

2021-06-01

Amount

Rs. 2000

Status: Paid

UPDATE

DELETE

S2015433

Fee Month

2021-06-01

Account

BOC

Payment Date

2021-06-01

Amount

Rs. 2000

Status: Paid

UPDATE

DELETE

+

Add Fee

Admin

Full Name:
Prajesh Shakya

Email:
prabash@gmail.com'

User Type:
Select User Type...

Password:

Update

FEE

Class : 3 A
Date: 01/06/21

Non-Paid Students

Search Student

S2014242

Fee Month

2021-06-01

Account

-

Payment Date

-

Amount

-

Status: Non

UPDATE

DELETE

S2014242

Fee Month

2021-06-01

Account

-

Payment Date

-

Amount

-

Status: Non

UPDATE

DELETE

S2014242

Fee Month

2021-06-01

Account

-

Payment Date

-

Amount

-

Status: Non

UPDATE

DELETE

Contribution to the assessment

Student Reg. No	Student Name	Contribution
IT19143828	Munasinghe M.A.S.S	Participated for create interview script, Designed sketching, wireframes, prototypes. Participated for prepared group report.
IT19220048	Jayasekara D.D.K.G	Participated for create interview script, Designed sketching, wireframes, prototypes. Participated for prepared group report.
IT19099132	Rajakaruna R.W.P.C	Participated for create interview script, Designed sketching, wireframes, prototypes. Participated for prepared group report.
IT19204062	Chamudini H.A.N	Participated for create interview script, Designed sketching, wireframes, prototypes. Participated for prepared group report.