

STUDENTS-STUDENTS INFORMATION SYSTEM

submitted by

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In partial fulfilment of the requirements for the award of the Degree of
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under the internal supervision of

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Certificate

This is to certify that the dissertation entitled **STUDENTS – STUDENTS INFORMATION SYSTEM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science in partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by **ABDUL VAHID M** during the period December 2020-March 2021 of their study on MCA in the Rathnavel Subramaniam College of Arts and Science, under my internal supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or other similar title to any candidate of any University.

Internal Supervisor

DECLARATION

Declaration

We, **ABDUL VAHID M**, hereby declare that the dissertation, entitled **STUDENTS - STUDENTS INFORMATION SYSTEM**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science, in partial fulfilled of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by we during the period December 2020–March 2021 under the internal supervision of **Dr.G.Pandiyan, Associate Professor**, Department of Computer Applications and it has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any University.

Signature of the Candidate

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ABDUL VAHID M

STUDENTS- STUDENTS INFORMATION SYSTEM

ABSTRACT

Abstract

Students information system, application where the users(student) can register Their personal and education details only. The admin(staff) can add and modify the students information like attendance percentage, fee structure and other details.

Frontend Tools/ Technology: React Native

Backend Tools/ Technology: NodeJS

Database Technology: MongoDB

Git repository link:

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INTRODUCTION

Introduction

Students application is an mobile application available on android platform. Students Application uses React Native for frontend, NodeJS for backend and MongoDB as database. **Students-students information system**, application where the users(students) can register and Modify their personal and education details only and see their other informations. The admin(staff) can add and modify the students informations like attendance percentage, fee structure and other details. admin also see students all information.

MODULE DESCRIPTION

Module description

ADMIN MODULE:

Login:

In this admin module the admin access the all kind of information.

Add Details:

On the add details the admin can add the students attendance percentage information, Fee structure Information and other information.

Modify Details:

On the modify details the admin can modify the students information(admin added Information only).

View Details:

On the view details the admin can see the all added and modified students information And also access the information.

USER MODULE:

Sign Up/Sign In:

The user can sign up their email, mobile number and new password. The user can sign in and see their all information.

Add Details:

The user can add their personal and education information only.

Modify details:

The user can modify their personal and education information only. If any verification In other information user(students) can contact the admin(staffs).

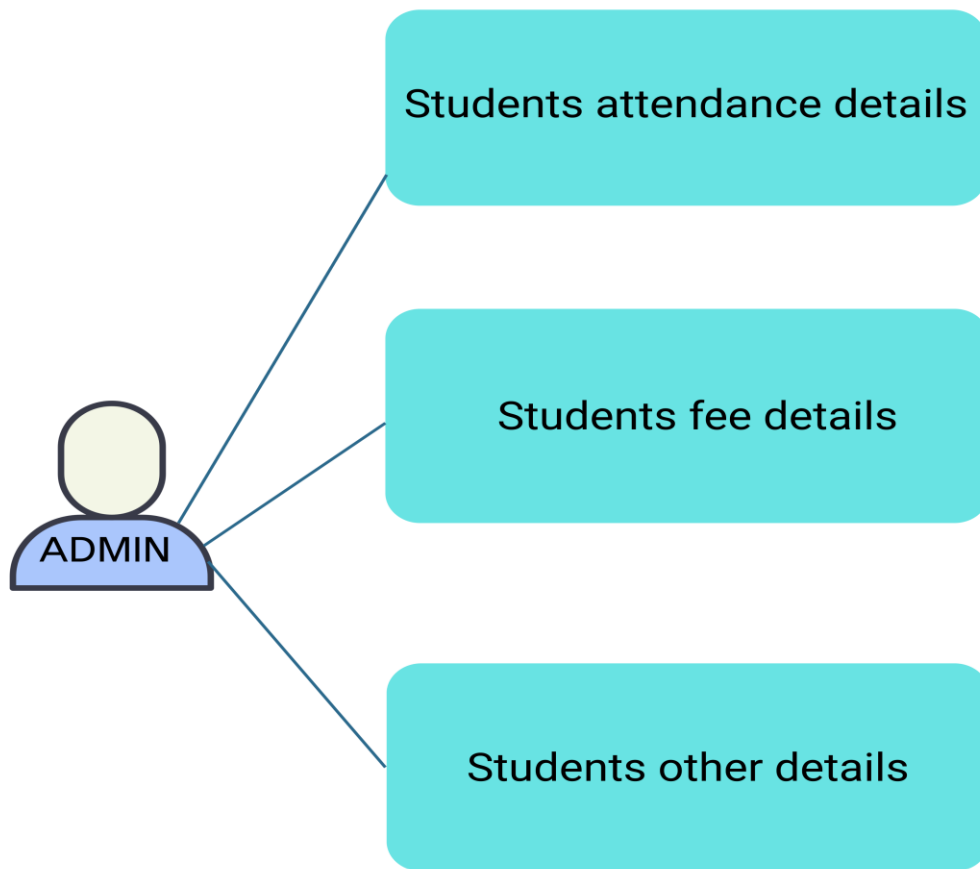
View Details:

The user can see their all information. It will be useful to all students.

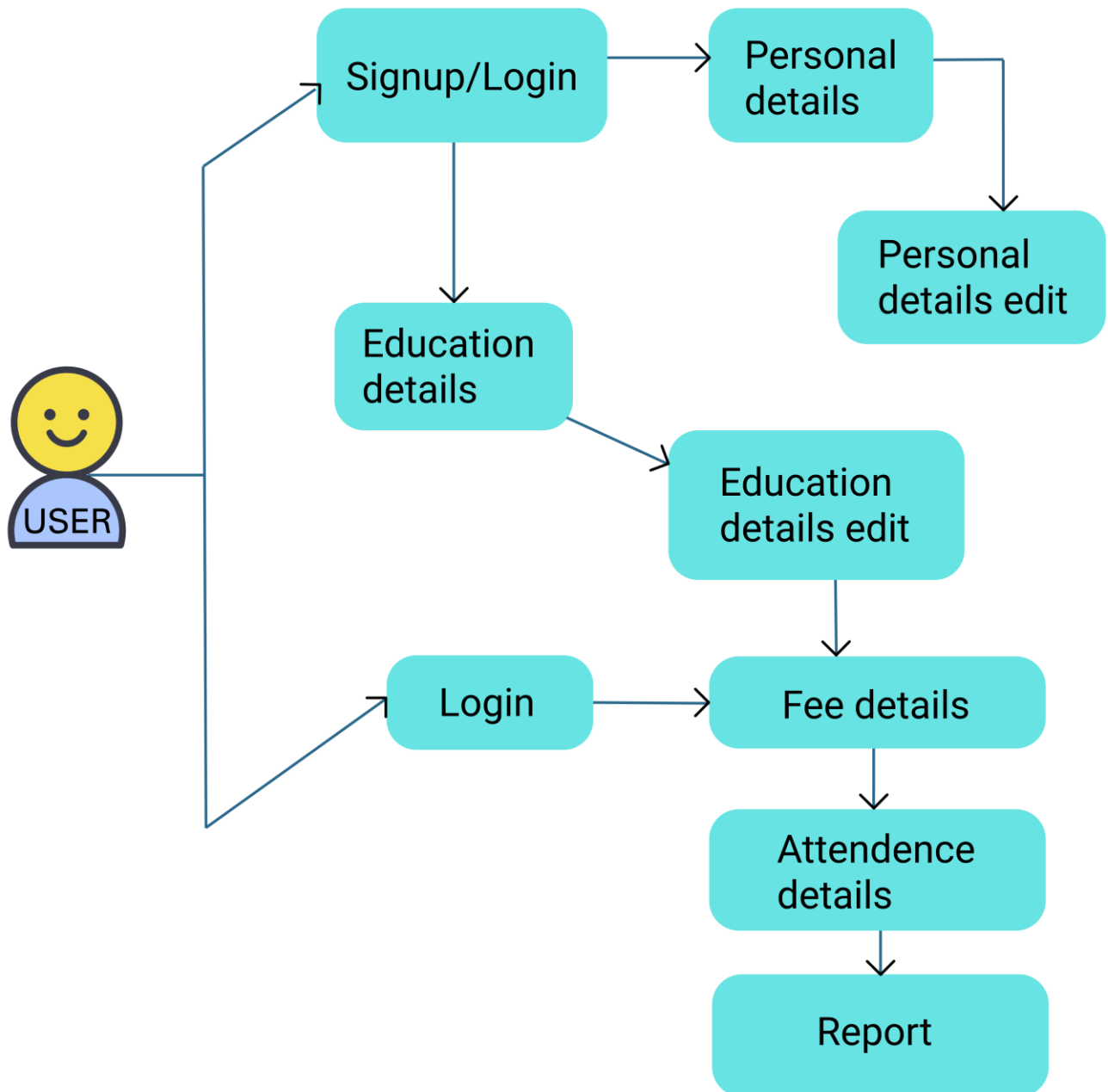
USE CASE DIAGRAM

Use Case Diagrams

ADMIN:



USER:



FIGMA DESIGN

Home

Sign up

Sign in

Login

Username/Email

Password

Submit

Sign up

Sign Up

Username

Email

Password

Confirm Password

Submit

Profile Screen

Photo

Abdul Wahid

abu@gmail.com

9361896344

← Details

Personal Details

Education Details

Attendance Details

Fees Details

Other Details

Personal Details

Name

Phone.No

Email

LinkedIn

GitHub

Edit

Next

Education Details

Attendance Details

Fees Details

Other Details

Admin Sign up

Admin Login

☰

Profile

Photo

Staff Name

Staff Phone.No

Email ID

←

Profile

Add Attendance

Add Fees Details

Students Details

Add Attendance

Student Name

Course

Reg.no

Attendance

Add

Submit

Add Fees Details

Student Name

Course

Reg.no

Fees details

Add

Submit

Students Details

Student Reg.No

Submit

Students Details

Student Details

SCHEMAS FOR THE APP

SCHEMAS FOR APP

USER SCHEMA:

```
{  
  "username": String,  
  "email": String,  
  "password": String  
}
```

ADMIN SCHEMA:

```
{  
  "username": String,  
  "email": String,  
  "password": String  
}
```

PERSONAL SCHEMA:

```
{  
  "name":String,  
  "phone.no":Numaric,  
  "email":String,  
  "linkedin":String,  
  "github":String  
}
```

EDUCATION SCHEMA:

```
{  
  "sslc":String,  
  "hsc":String,  
  "bachelor degree":String,  
  "master degree":String,  
  "percentage":Numaric,  
}
```

APIS FOR THE APP

API FOR APP:

CREATE USER

API: <http://localhost:5000/user/signup>

Method: POST

Description: This API creates a new user

USER LOGIN

API: <http://localhost:5000/user/signin>

Method: POST

Description: This API use to login the user

POST PERSONAL DETAILS

API : <http://localhost:5000/user/personal>

Method : POST

Description : This API use to post the details

POST EDUCATION DETAILS

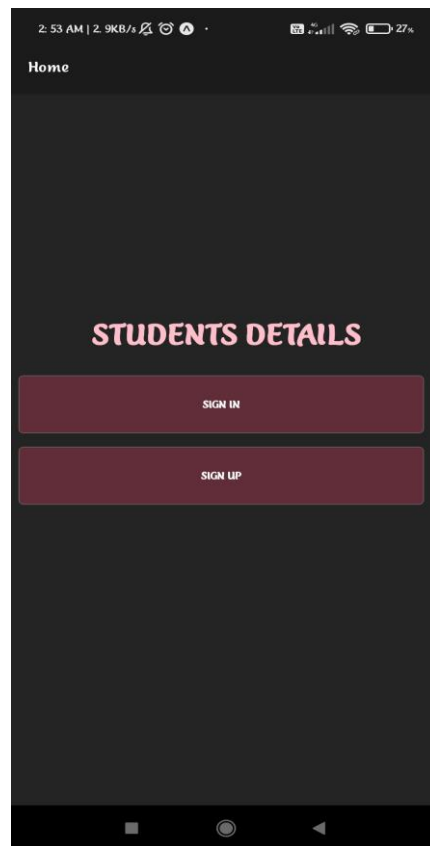
API : <http://localhost:5000/user/education>

Method : POST

Description: This API use to post the details

USER MANUAL

Home Page:



- In the home page you will open new account or existing account.

SIGN UP:

2:53 AM | 1.2KB/s | 27%

← Sign Up

STUDENTS DETAILS

UserName
Enter Your UserName

Email ID
Enter Your Email

Password
Enter Your Password

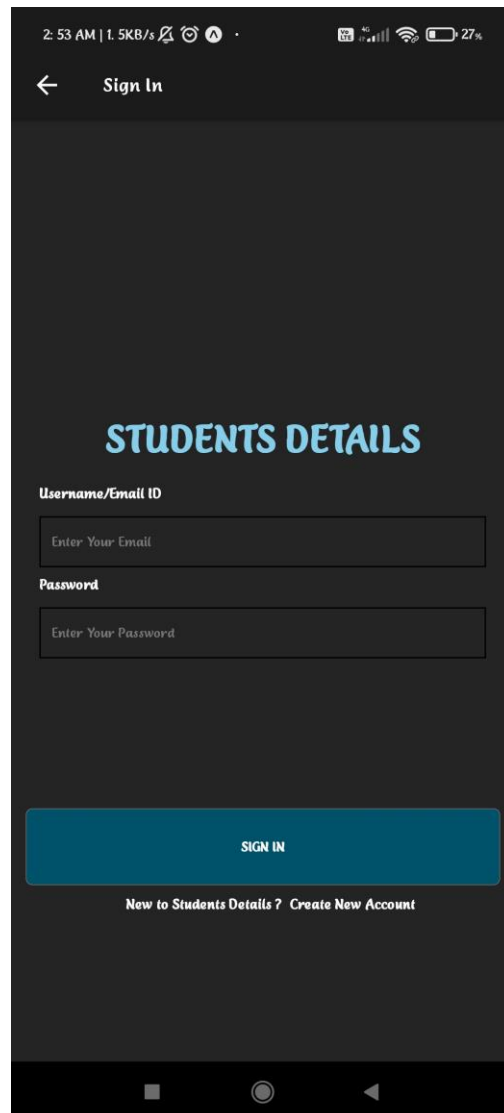
Confirm Password
Confirm Password

SIGN UP

By continuing, I agree to Students Details Terms of service and Privacy policy
Already have an Account? Sign in here

- Enter all the details in the text box and click sign up to register a new user.

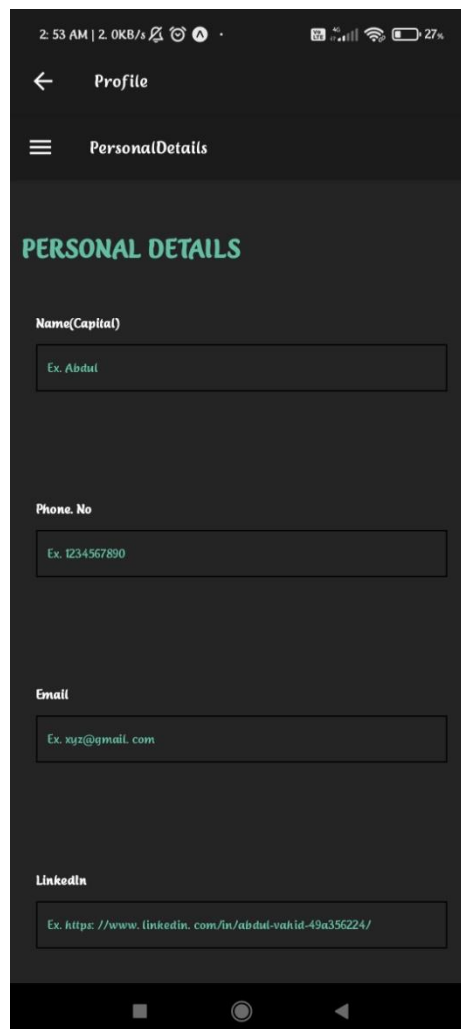
SIGN IN:



The screenshot shows a mobile application interface for signing in. At the top, the status bar displays the time as 2:53 AM, data usage at 1.5KB/s, and a battery level of 27%. Below the status bar is a dark header with a back arrow and the text 'Sign In'. The main content area has a dark background. In the center, the text 'STUDENTS DETAILS' is displayed in a light blue, bold, sans-serif font. Below this, there are two input fields. The first is labeled 'Username/Email ID' and contains the placeholder text 'Enter Your Email'. The second is labeled 'Password' and contains the placeholder text 'Enter Your Password'. Below the input fields is a large, teal-colored button with the text 'SIGN IN' in white, uppercase letters. At the bottom of the form area, there is a link that reads 'New to Students Details ? Create New Account'. The bottom of the screen shows the standard Android navigation bar with three icons: a square, a circle, and a triangle.

- Enter the correct email and password and click Sign in button to sign in to your account.

Profile/ Edit personal details:



The screenshot shows a mobile application interface for editing personal details. At the top, the status bar displays the time as 2:53 AM, data usage at 2.0KB/s, and a battery level of 27%. The app's navigation bar includes a back arrow and the title 'Profile'. Below this, a hamburger menu icon is followed by the text 'PersonalDetails'. The main content area is titled 'PERSONAL DETAILS' in green. It contains four input fields, each with a label and an example value: 'Name(Capital)' with 'Ex. Abdul', 'Phone. No' with 'Ex. 1234567890', 'Email' with 'Ex. xyz@gmail.com', and 'LinkedIn' with 'Ex. https://www.linkedin.com/in/abdul-vahid-49a356224/'. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.

- With personal details page you can see your details and you can modify the details.

Profile/Edit education details:

The screenshot shows a mobile application interface for editing education details. At the top, the status bar displays the time as 2:53 AM, data usage as 0.2KB/s, and battery level at 27%. The app's navigation bar includes a back arrow and the title 'Profile'. Below this, a hamburger menu icon is followed by the section title 'EducationDetails'. The form contains several input fields: a text field for 'Bachelor Degree Percentage' with a placeholder 'Ex. 100', a text field for 'Master Degree' with a placeholder 'Ex. College name', two date pickers for 'Start Year' and 'End year' with placeholders 'start year' and 'End year', and another text field for 'Master Degree Percentage' with a placeholder 'Ex. 100'. A large green button at the bottom is labeled 'Next >>'. The bottom of the screen shows the standard Android navigation bar.

- With education details page you can see your details and you can modify the details

Profile/View attendance screen:

2: 53 AM | 3.7KB/s 27%

← Profile

☰ Attendance

Ex. Abdul

Reg. No

Ex. IP20MC001

Course

Ex. MCA

Year

Ex. 2021

Next >>

- The attendance details you see your percentage and other attendance details only .

Profile/View fees details:

2:53 AM | 0.8KB/s | 27%

← Profile

☰ FeesDetails

Ex. Abdul

Reg. No

Ex. IP20MC001

Course

Ex. MCA

Year

Ex. 2021

Next >>

- The fees details you see your fee structure and other fees details only.

Profile/View other details:

2:53 AM | 0.7KB/s | 27%

← Profile

☰ OtherDetails

Other DETAILS

Skills

Ex. ReactJS

Course Details

Ex. MCA

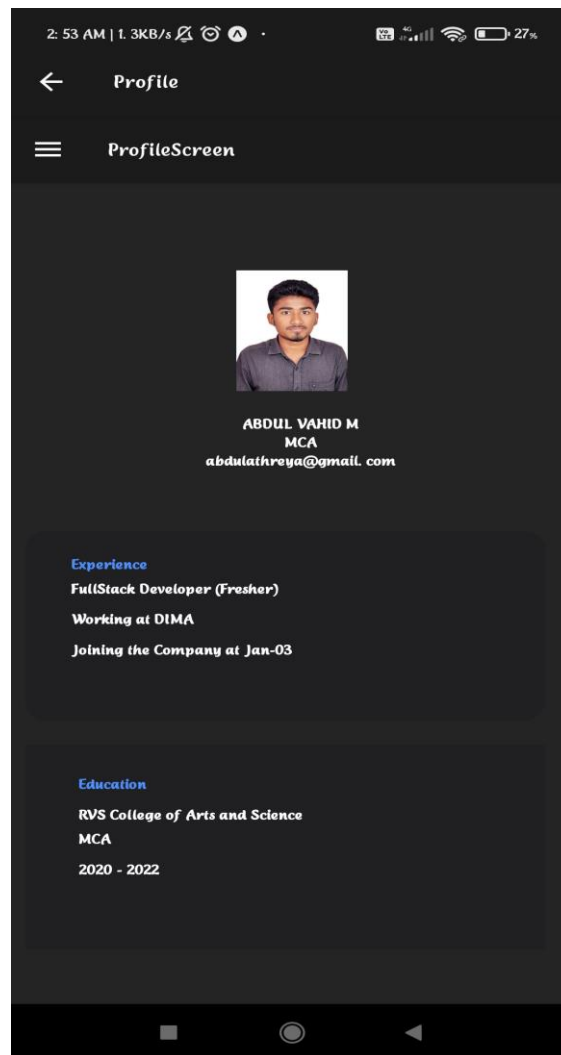
Time Table

Ex

Next >>

- The other details you see your skills and course details only.

Profile/Profile screen:



- The profile screen you see your basic details only.

CONCLUSION

Conclusion:

The “STUDENT DETAILS APPLICATION” has been developed to satisfy all proposed requirements. The system is highly scalable and user friendly.