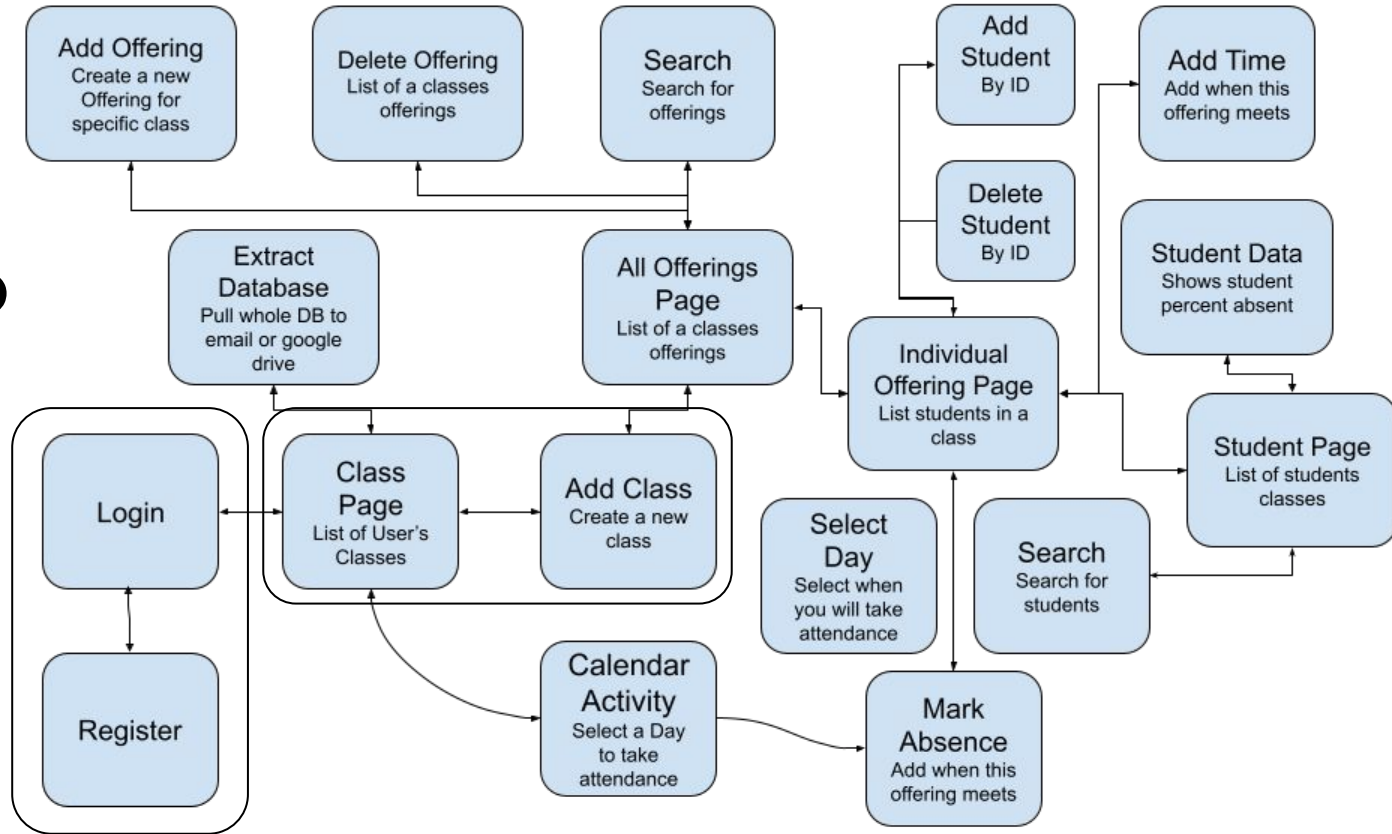


Smart Student Attendance System

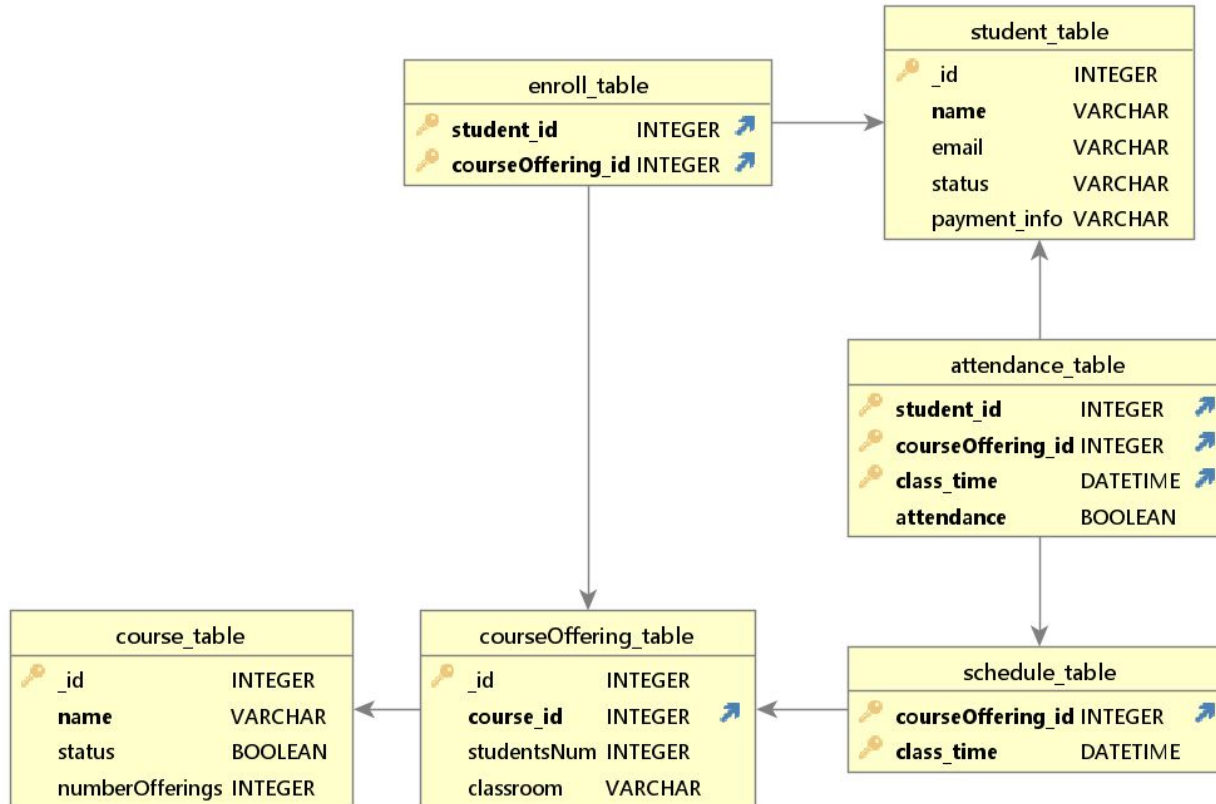
Duc Nguyen, Bowang Yan, Jordyn Brosemer, Yongqiang Zhou



Activity Map



Database ER Graph



Login Page

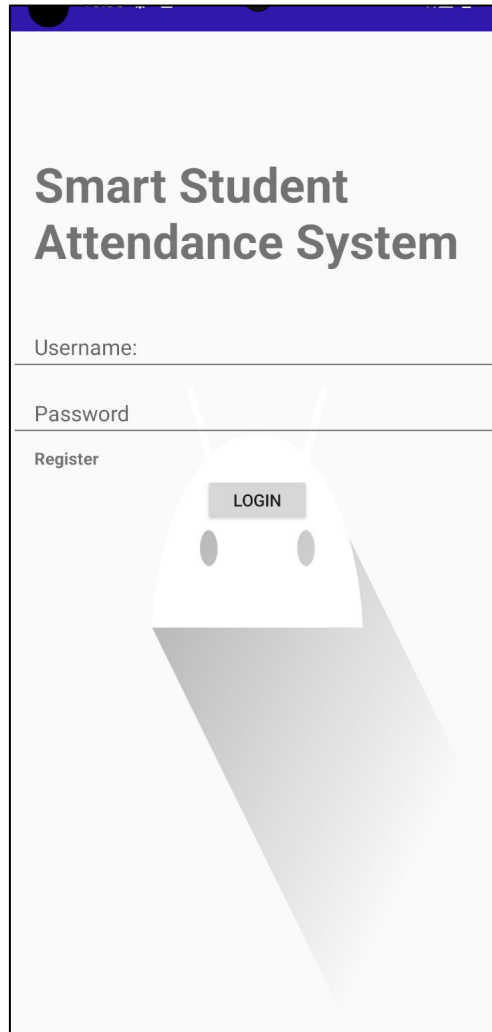
Login to Application

- Username (Unique - Required)
- Password (Required)

Register Page

Register to use application

- First Name (Required)
- Last Name (Required)
- Email Address (Required)
- Username (Unique - Required)
- Password



Smart Student
Attendance System

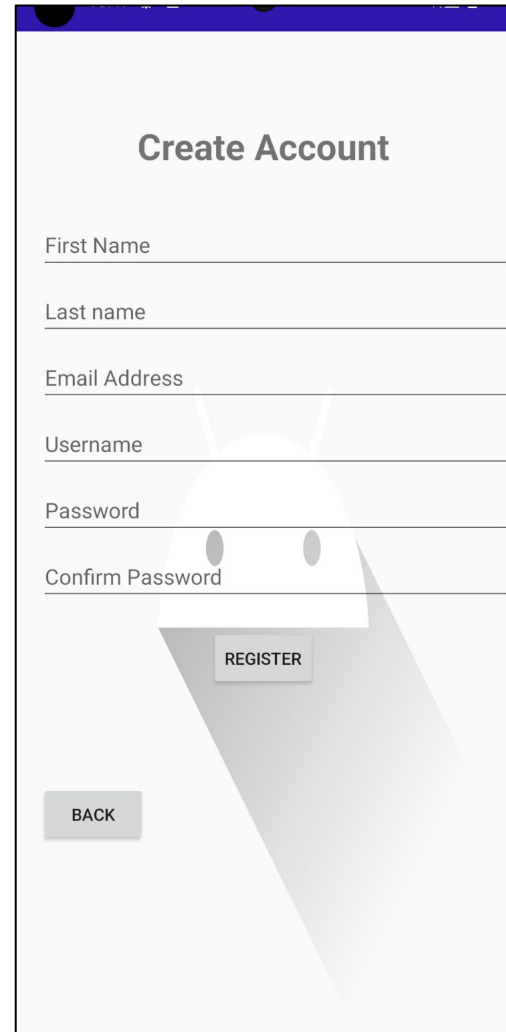
Username:

Password

Register

LOGIN

The login page features a white background with a blue header bar. A large, faint Android robot watermark is centered in the background. The title 'Smart Student Attendance System' is displayed in a bold, dark grey font. Below the title, there are two input fields: 'Username:' and 'Password'. A 'Register' link is positioned below the password field. A grey 'LOGIN' button is located at the bottom center of the form area.



Create Account

First Name

Last name

Email Address

Username

Password

Confirm Password

REGISTER

BACK

The create account page has a white background with a blue header bar. A large, faint Android robot watermark is centered in the background. The title 'Create Account' is displayed in a bold, dark grey font. Below the title, there are five input fields: 'First Name', 'Last name', 'Email Address', 'Username', and 'Password'. A 'Confirm Password' field is located below the password field. A grey 'REGISTER' button is positioned at the bottom center of the form area. A grey 'BACK' button is located at the bottom left of the page.

Class Page

Calendar View - Takes you to your calendar

Sign Out - Logs out of system

Extract Database - Emails or stores on drive all your data

Class List - Click to view all of that classes offerings

Add Class

- **Class Name** (Required)
- **Class ID**(Unique - Required)
- Number of Offerings (Required)

[ADD CLASS](#) [GO TO CALENDAR VIEW](#) [SIGN OUT](#)

Welcome Teacher

Class ID: 1

Class Name: Sociology

Offerings: 2

[EXTRACT DATABASE](#)

Create Class

Class Name

Class ID

Number of Class Offerings

[REGISTER](#)

[BACK](#)

Calendar View

Back to Classes - Go to class list

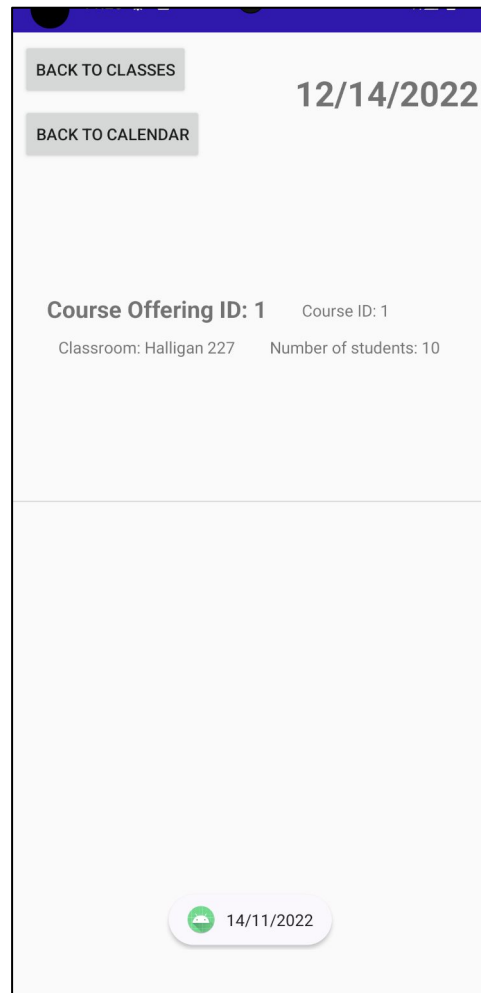
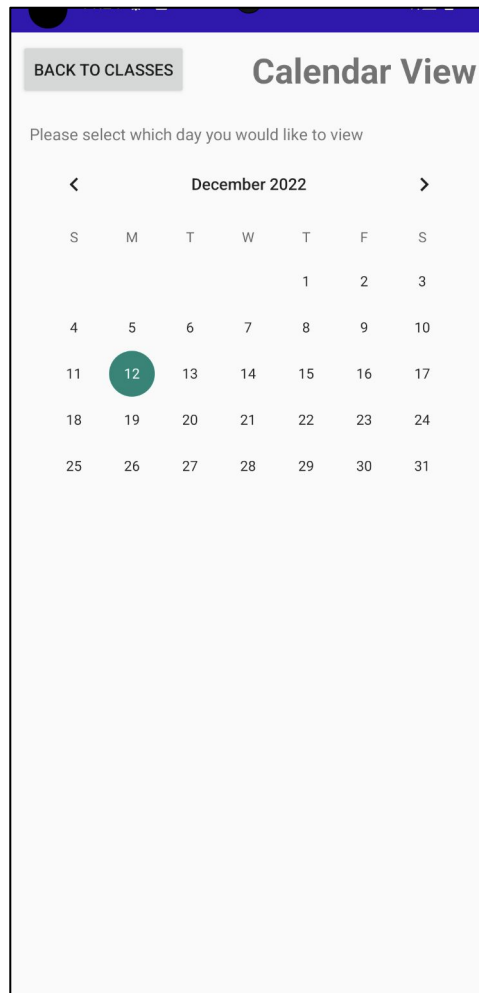
Calendar - Click on any day to get the offerings available for that day

Day View

Back to Classes - Go to class list

Back to Calendar - Go to calendar

Class Offering - Take attendance!



All Offerings Page

Add course offering by:

- ID (unique)
- Maximum Student Number
- Classroom

Delete course offering by

- ID

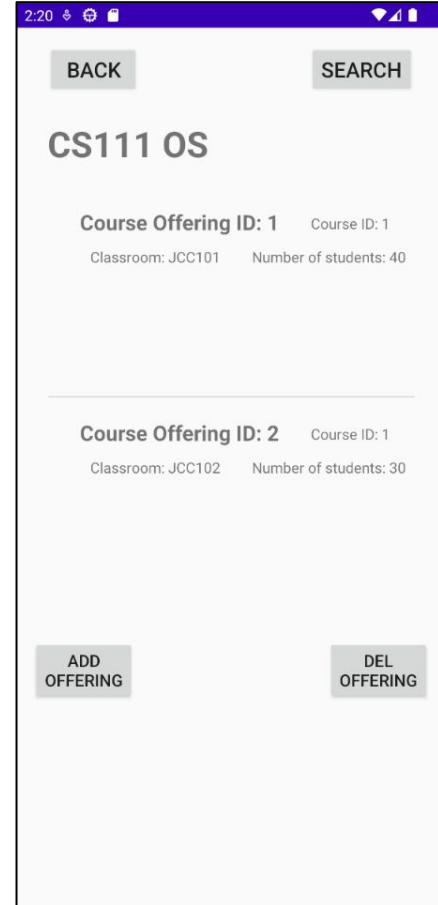
Search course offering by

- ID

Go back to Teacher View Page

View course offering by

- Search by an ID
- Directly click on the list



The image shows a mobile application interface for managing course offerings. At the top, there is a status bar with the time 2:20 and various icons. Below this, a navigation bar contains a 'BACK' button on the left and a 'SEARCH' button on the right. The main content area displays the title 'CS111 OS' in a large, bold font. Below the title, there are two sections for course offerings. The first section is for 'Course Offering ID: 1', showing 'Course ID: 1', 'Classroom: JCC101', and 'Number of students: 40'. The second section is for 'Course Offering ID: 2', showing 'Course ID: 1', 'Classroom: JCC102', and 'Number of students: 30'. At the bottom of the screen, there are two buttons: 'ADD OFFERING' on the left and 'DEL OFFERING' on the right.

2:20

BACK SEARCH

CS111 OS

Course Offering ID: 1 Course ID: 1
Classroom: JCC101 Number of students: 40

Course Offering ID: 2 Course ID: 1
Classroom: JCC102 Number of students: 30

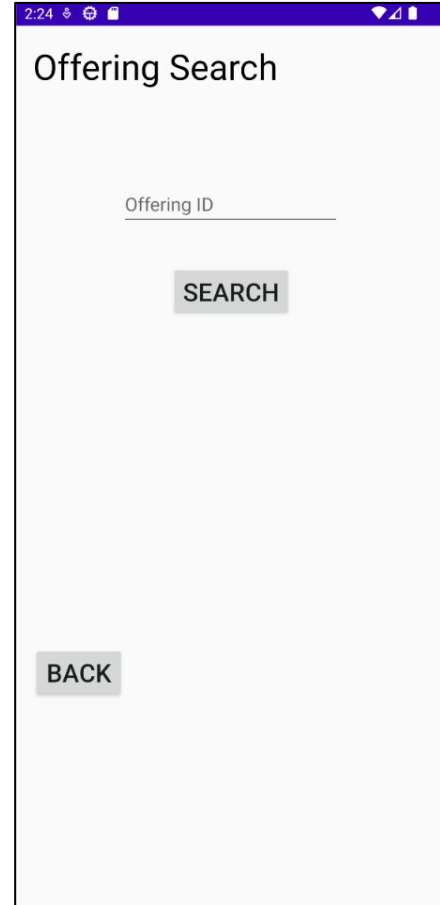
ADD OFFERING DEL OFFERING

Search Offering

Search Offering by

- ID

Go back to course information page



The image shows a mobile application interface for searching offerings. At the top, there is a status bar with the time 2:24 and various icons. Below the status bar, the title "Offering Search" is displayed. Underneath the title, there is a text input field labeled "Offering ID". To the right of the input field is a grey button labeled "SEARCH". At the bottom left of the screen, there is another grey button labeled "BACK".

Add and Delete Offering

2:27

ADD Class

Course offering ID

Maximum Student Num

Classroom

BACK ADD

2:28

Delete Offering

Which offering do you want to delete?

Class Offering ID

Course Offering ID: 1 Course ID: 1
Classroom: JCC101 Number of students: 40

Course Offering ID: 2 Course ID: 1
Classroom: JCC102 Number of students: 30

BACK DELETE

Individual Offering Page

Add/Delete enrolled student

Add class time for the offering

Search enrolled student by ID

Mark absence

Go to student information page by click the list

Go back to course information page

The screenshot shows a mobile application interface for an 'Individual Offering Page'. At the top, there is a purple status bar with the time '2:34' and various icons. Below this, a white header bar contains a 'BACK' button on the left and a 'SEARCH' button on the right. The main content area is white and displays the following information: 'CS111 OS' in a small font, followed by 'Class Offering ID: 1' in a bold font. Below this, it shows 'Max Student Num: 40' and an 'ADD TIME' button. Further down, it lists 'Student Name: Duc Nguyen', 'Student ID: 3', and 'E-mail: dnguye22@tufts.edu'. A horizontal line separates this information from a 'MARK ABSENCE' button located further down. At the bottom of the screen, there are two buttons: 'ADD STUDENT' on the left and 'DELETE STUDENT' on the right.

2:34

BACK SEARCH

CS111 OS

Class Offering ID: 1

Max Student Num: 40 ADD TIME

Student Name: Duc Nguyen

Student ID: 3

E-mail: dnguye22@tufts.edu

MARK ABSENCE

ADD STUDENT DELETE STUDENT

Search Student

Search Student by

- ID

Go back to course offering info page

A mobile application interface for searching students. The screen has a purple header bar at the top with the time 2:40 and various status icons. Below the header, the title "Student Search" is displayed in black text. A search input field with the placeholder text "Student ID" is centered on the screen. Below the input field is a grey button with the text "SEARCH". At the bottom left of the screen is another grey button with the text "BACK".

2:40

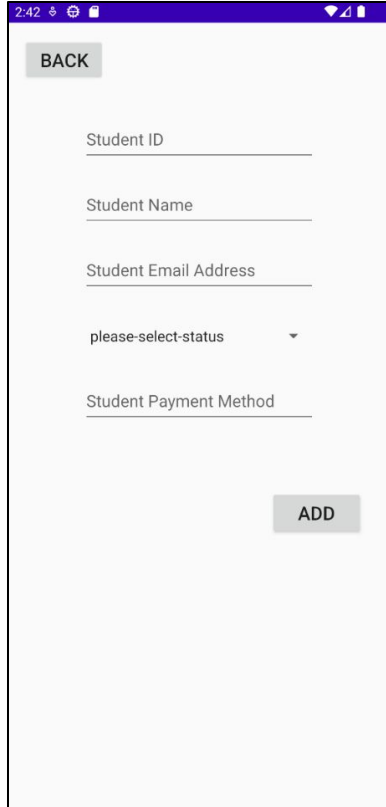
Student Search

Student ID

SEARCH

BACK

Add/Delete Enrolled Student Page



2:42

BACK

Student ID

Student Name

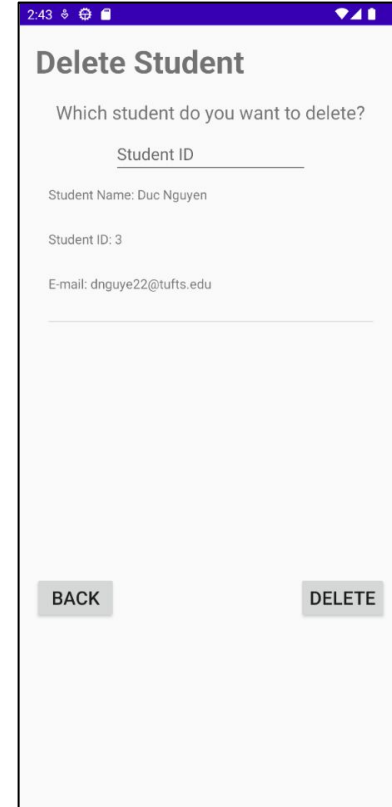
Student Email Address

please-select-status ▼

Student Payment Method

ADD

This is a mobile app screen for adding a new student. It features a purple header bar with the time 2:42. Below the header is a grey 'BACK' button. The main area contains five input fields: 'Student ID', 'Student Name', 'Student Email Address', a dropdown menu labeled 'please-select-status', and 'Student Payment Method'. At the bottom right is a grey 'ADD' button.



2:43

Delete Student

Which student do you want to delete?

Student ID

Student Name: Duc Nguyen

Student ID: 3

E-mail: dnguye22@tufts.edu

BACK

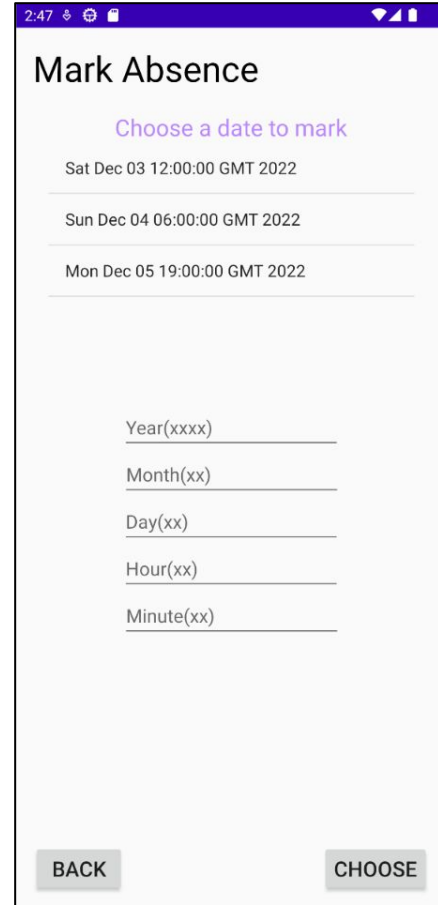
DELETE

This is a mobile app screen for deleting a student. It features a purple header bar with the time 2:43. Below the header is the title 'Delete Student'. The main text asks 'Which student do you want to delete?'. Below this is a 'Student ID' input field. Further down, the student's details are displayed: 'Student Name: Duc Nguyen', 'Student ID: 3', and 'E-mail: dnguye22@tufts.edu'. At the bottom are two grey buttons: 'BACK' on the left and 'DELETE' on the right.

Mark Absence Guide

Entering five fields required(all numbers)

Go back to course offering info page



The screenshot shows a mobile application interface for marking an absence. At the top, there is a status bar with the time 2:47 and various icons. Below the status bar, the title "Mark Absence" is displayed in a large, bold, black font. Underneath the title, there is a purple link that says "Choose a date to mark". Below this link, there are three horizontal lines representing dates and times: "Sat Dec 03 12:00:00 GMT 2022", "Sun Dec 04 06:00:00 GMT 2022", and "Mon Dec 05 19:00:00 GMT 2022". Below these lines, there are five input fields for date and time components: "Year(xxxx)", "Month(xx)", "Day(xx)", "Hour(xx)", and "Minute(xx)". Each field has a label and a placeholder text in parentheses. At the bottom of the screen, there are two buttons: "BACK" on the left and "CHOOSE" on the right.

Mark Absence

[Choose a date to mark](#)

Sat Dec 03 12:00:00 GMT 2022

Sun Dec 04 06:00:00 GMT 2022

Mon Dec 05 19:00:00 GMT 2022

Year(xxxx)

Month(xx)

Day(xx)

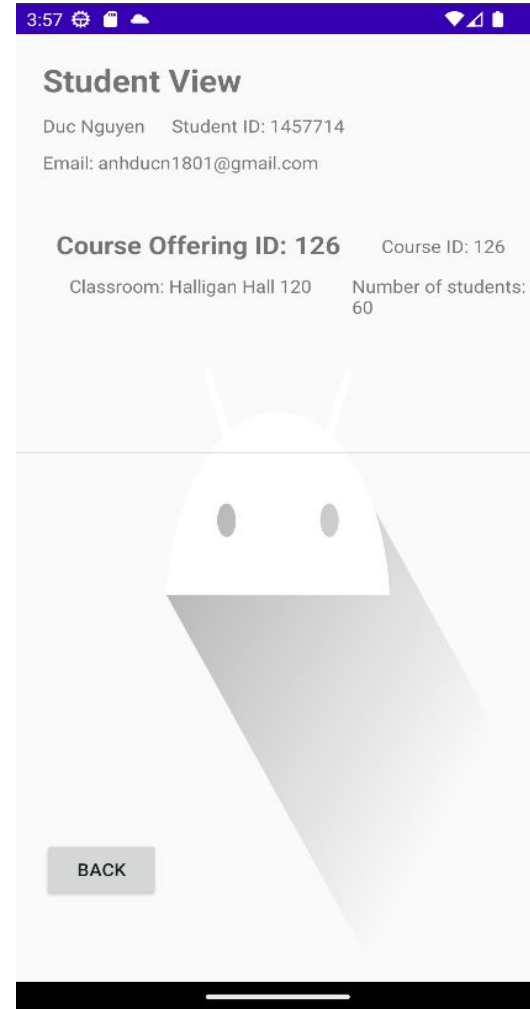
Hour(xx)

Minute(xx)

BACK CHOOSE

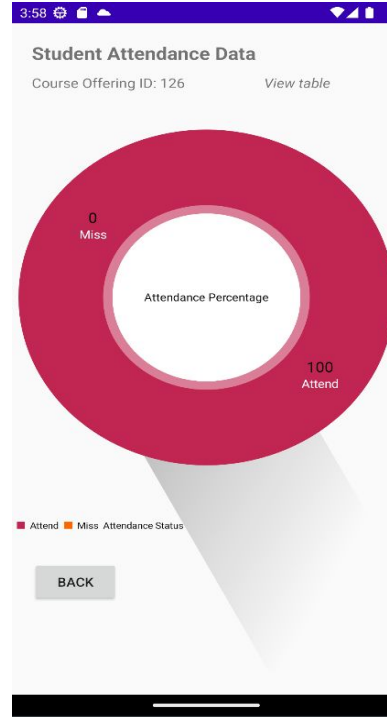
Student View

- Show the information of the students
- Show the course offering that they take



Student Data

- Show the attendance percentage of that student for that course offering
- View Table Button with show all the dates that the student has attended



3:59

Student Attendance Table

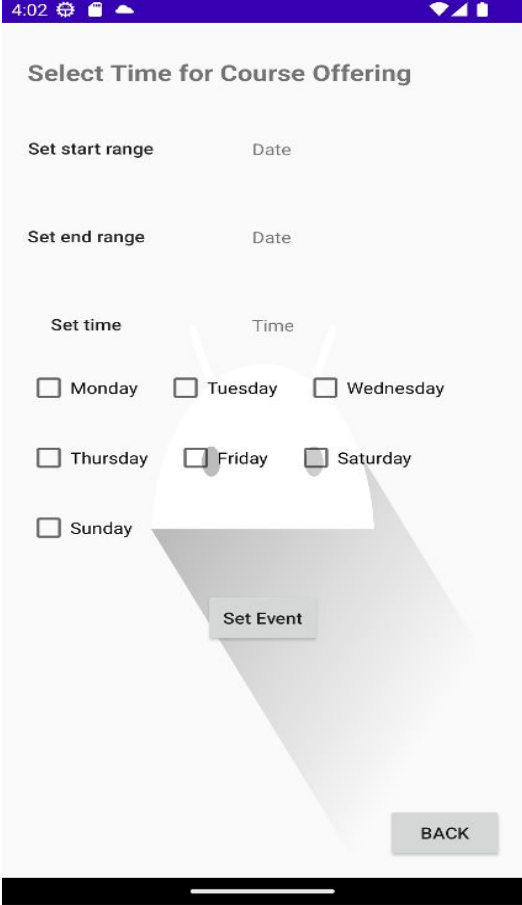
Course Offering ID: 126

Date	Attendance Status
Mon Dec 12 12:00:00 EST 2022	Attend
Mon Dec 19 12:00:00 EST 2022	Attend
Tue Dec 13 12:00:00 EST 2022	Attend
Wed Dec 28 15:10:00 EST 2022	Attend
Tue Dec 20 12:00:00 EST 2022	Attend

BACK

Set time for a course

- Set a range date for the course
- Set what date they want to teach the class
- Set event and add the time to the database



The screenshot shows a mobile application interface with a purple status bar at the top displaying the time 4:02 and various icons. The main screen is titled "Select Time for Course Offering". It contains three sections for input: "Set start range" and "Set end range", both with a "Date" label and empty input fields; and "Set time" with a "Time" label and a list of days of the week, each with an unchecked checkbox. The days are Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday. A "Set Event" button is positioned below the day list, and a "BACK" button is at the bottom right. A large, faint watermark of the Android robot is visible in the background.

Select Time for Course Offering

Set start range Date

Set end range Date

Set time Time

☐ Monday ☐ Tuesday ☐ Wednesday

☐ Thursday ☐ Friday ☐ Saturday

☐ Sunday

Set Event

BACK

Attendance Table

- Mark absence or not absence for the date
- Submit can be used to insert or update the attendance status

The screenshot shows an Android application interface for an 'Attendance Table'. At the top, a purple status bar displays the time '4:04' and various system icons. Below this, the app's title 'Attendance Table' is centered. The interface includes two text labels: 'Course Offering ID: 126' and 'Date: 12/13/2022'. A table with a grey header 'Student Name' lists two students: 'Duc Nguyen' and 'Conor McGregor'. Each student name is preceded by an unchecked checkbox. At the bottom of the screen, there are two grey buttons labeled 'Back' and 'Submit'. The entire app window is set against a light grey background, and a black home indicator bar is visible at the very bottom.

Attendance Table	
Course Offering ID: 126	
Date: 12/13/2022	
Student Name	
<input type="checkbox"/>	Duc Nguyen
<input type="checkbox"/>	Conor McGregor

Back Submit

Demonstration

Q&A