



User Manual - Tutor Me

Authors: CapsOn

1. Introduction

The Tutor Me project is an idea that aims to provide a platform where students that need help academically can easily find a tutor that can help them with specific modules. This project will be useful especially now that the covid-19 pandemic has made it much difficult to have face-to-face conversations, ask for help with their studies from fellow students, and interact with lecturers for additional assistance. As with the rest of the world, every matter related to students is moving towards being digital and virtual. This project focuses on providing a platform to ease the process of:

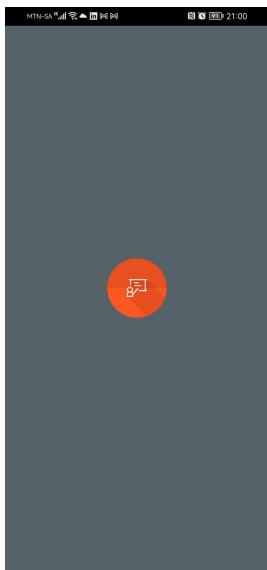
- Registering as a Tutor that can tutor certain modules for a price,
- Registering as a Tutee that needs a tutor for certain modules,
- The tutor should be able to select the modules he/she tutors for a fee,
- The tutee should be able to choose which subject they need help with from certain tutors,
- One-on-one chat functionality between Tutees and Tutors,
- Group chat creation for students requiring assistance with the same modules or subjects,
- Sending and receiving notifications when Tutor is found
- Video calling functionality in-app to allow students to virtually meet After implementing these core functionalities of this project, we would start looking at additional functionalities like filtering tutors by gender to enable students to choose someone that they are comfortable with. We would also look into implementing a dark mode of the app for users that prefer it over light mode. The project will be implemented as a cross platform mobile app for Android and iOS.

2. Technical Specifications and Requirements

The app should be able to work on all android devices running OS 4.1 and newer. Iphone users will need to update to iOS 12.

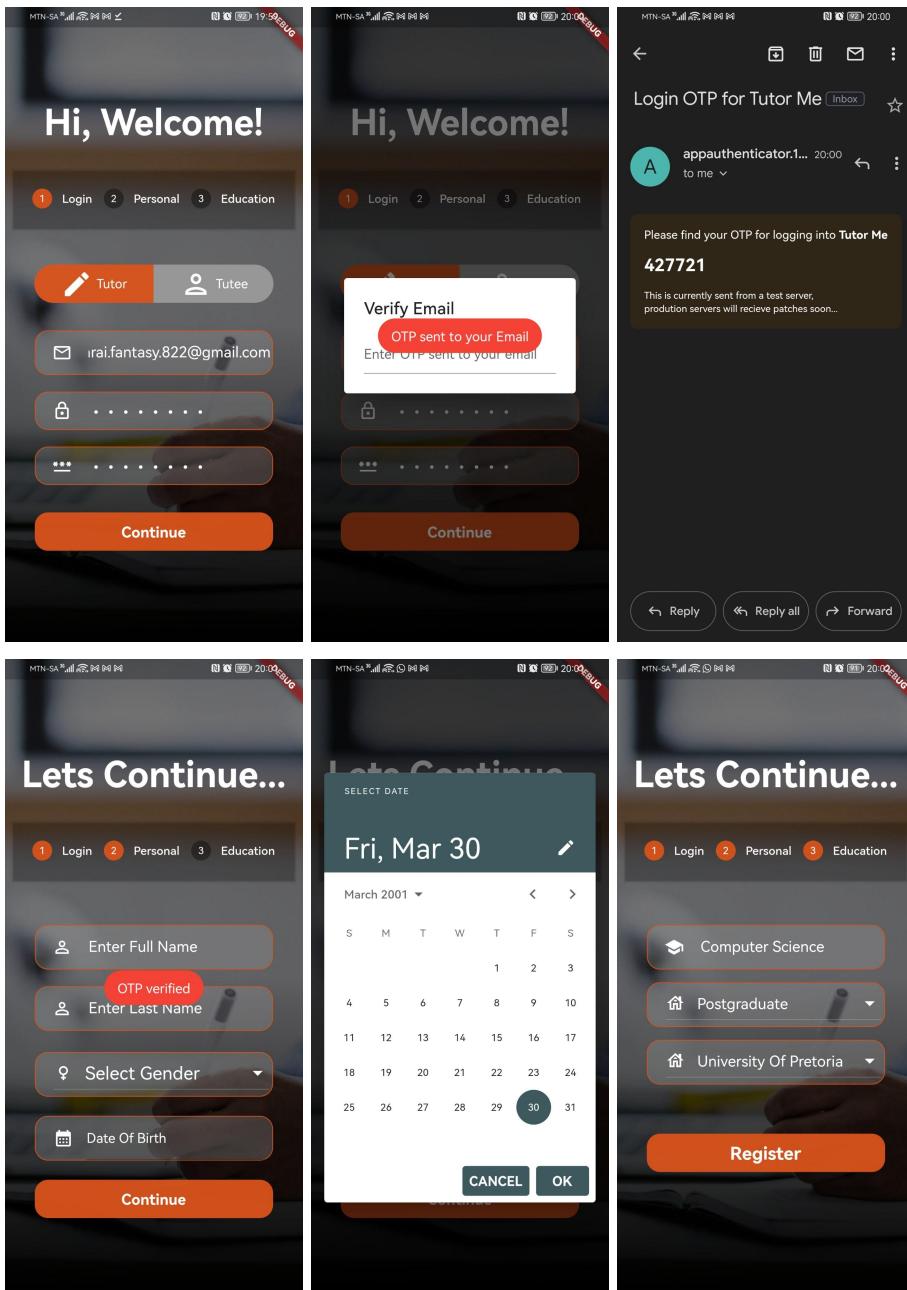
3. Logical Flow of App

3.1 Splash Screen



Upon opening the app, you would be greeted with a splash screen that contains the TutorMe logo. This will show until the contents of the other pages of the app have been loaded from their respective API's. This page then leads to the Register/Login screen

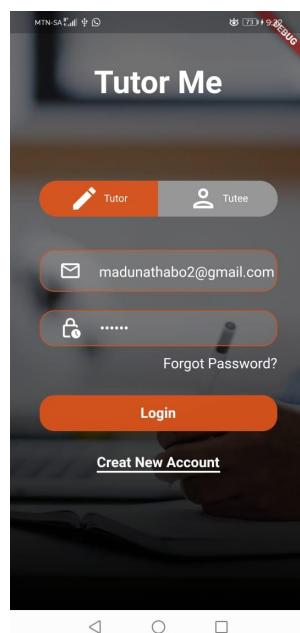
3.2.1 Register Screen



If you choose to register as a Tutor or Tutee, you have to select what you are registering for using a binary selector then enter your details. The first stage of the registration details checks if the email you want to register is available (not used by someone else on the app) and validates your credentials. When you click on the continue button, an OTP will be sent to your email in order to verify

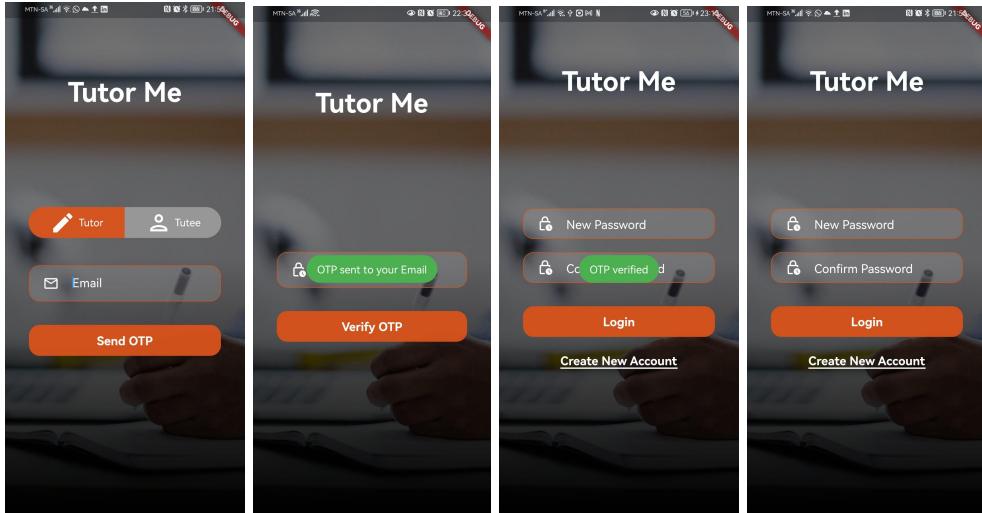
that this is your email and that it is still in use. Once that is validated, stage 2 of the verification is where you fill in your personal details i.e Name, Surname, Gender and Date of birth. In order to prevent the input of an incorrect date, we made use of a date picker that can only accept input that is in acceptable ranges (Users must be between 18 and 100 to use the app). Then lastly, you can enter your course, year level and institution in order to register and be led to the home page of the app. If you had chosen to register as a Tutor, you would be led to the Tutor home page and if you had registered as a Tutee, you would be led to the Tutee home page. If you already have an account, you can click on the white login text at the bottom of the screen.

3.2.2 Login Screen



Only registered users can login using their credentials. To login, select if you are logging in as a Tutor or Tutee then enter your credentials. If you had chosen to register as a Tutor, you would be led to the Tutor home page on successful login. If you had registered as a Tutee, you would be led to the Tutee home page on successful login.

3.2.3 Forgot Password

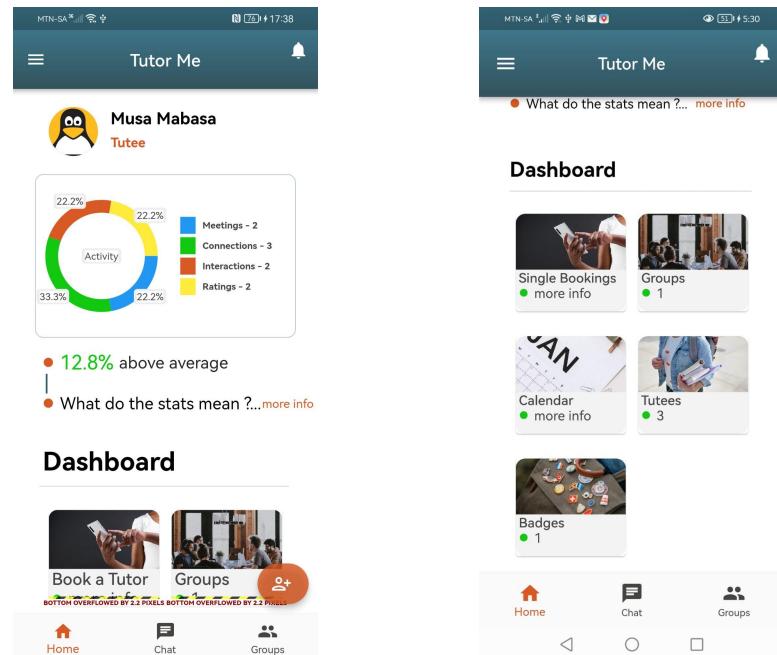


If you forgot your password, you can click on “forgot password” on the login page and you will be asked for your email. Once you enter your email, an OTP will be sent to that email to confirm that it is your email, then you can make a new password after entering your OTP.

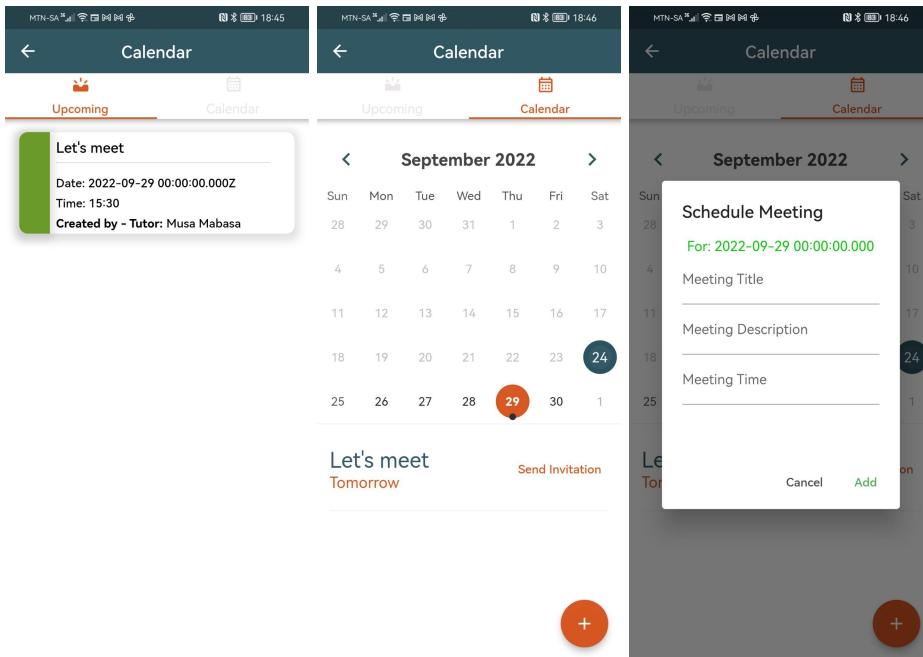
3.3 Home page

The home page has a navigation bar where you can switch between the **Home**, **Chat** and **Grouppage**. This is the page that you are lead to after registering or logging in.

3.3.1 HomeTab



This page is the same for both the and Tutor interface only that tutees have an option on the bottom right to find tutors. It is the default tab that a user is greeted with when they login or register and it consists of a graph that shows some stats about your interaction with the app and its users. When you scroll down, you get a dashboard that contain calender services and badges system for rewards.

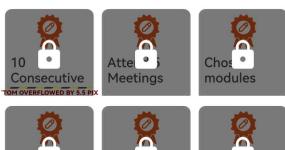


All Badges

Earned Badges

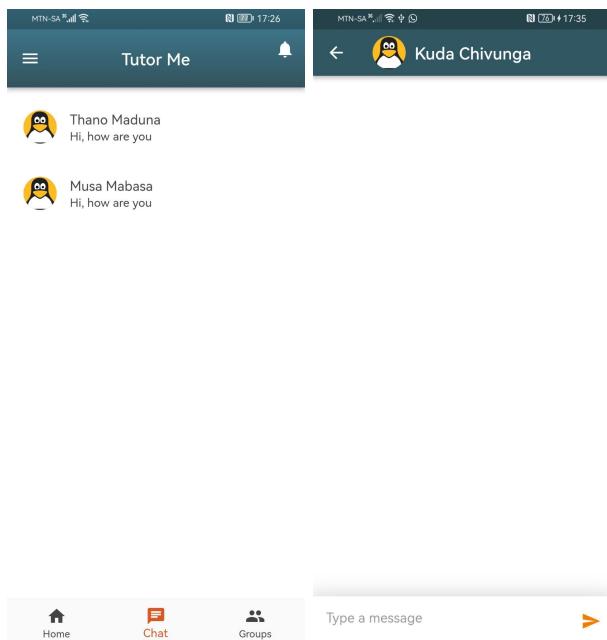


To - Be - Earned Badges



3.3.2 Chat tab

If you had logged in as a Tutee, you also get a small request Tutor button at the bottom right of your screen. This is where tutors and tutees that are connected can chat to each other by clicking on a user and sending and receiving messages.



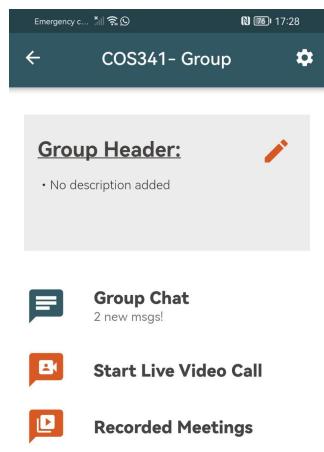
3.3.3 Groups

Only tutors can create groups.



These are groups that the Tutees have in common with the Tutor.

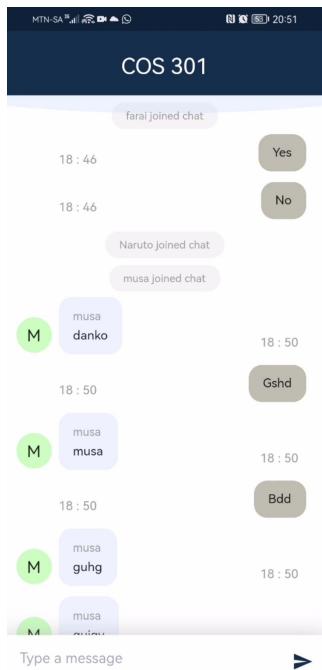
3.3.3.1 Groups Screen



This is where Tutors and Tutees meet when they have a common module. If you click on the group chat button, you would be led to the group chat screen where

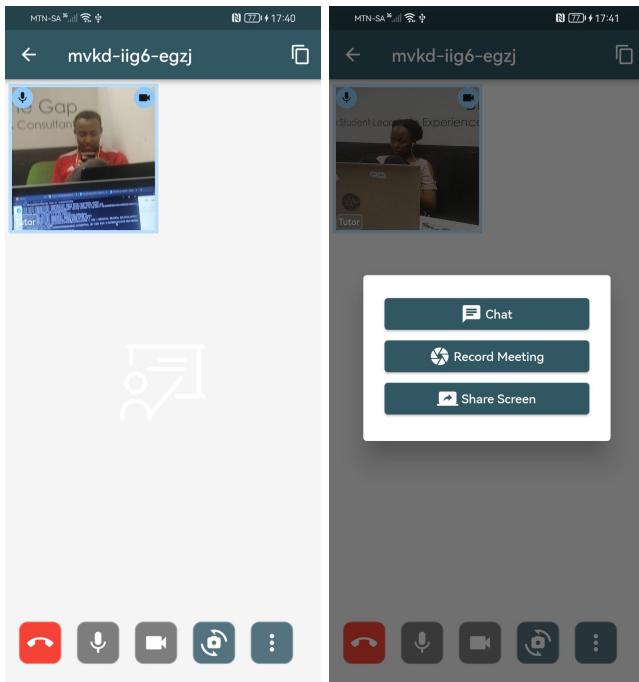
anyone in the group can send messages asynchronously. Only Tutors can start Live Video calls. Tutees can only join Live Video Calls when a tutor of that group started it.

3.3.2.1.1 Group Chat Screen

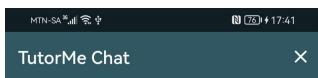


This is where everyone in the group can chat about topics related to the module.

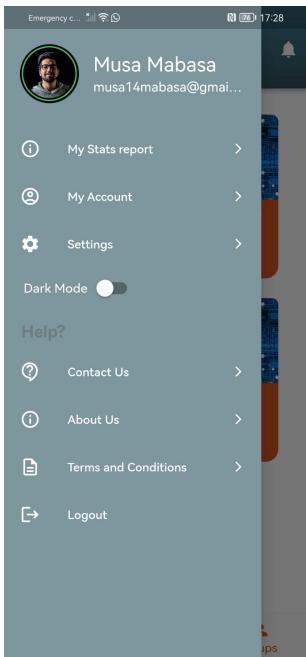
3.3.2.1.2 Group Video Call Screen



This is where Tutors can interact together via video call to discuss the module. Only Tutors can start the meeting and Tutees can only join the meeting back in the Groups screen. There are buttons at the bottom to make it possible to exit the meeting, mute/unmute microphone, share/hide video, switch camera, share screen, record screen and chat. A chat functionality is added in the meeting so that users that are inaudible can type during the session (It has other benefits too).



3.3.4 Menu



The user can also click on the hamburger menu on the top left of the screen in order to see the Users Profile, Settings button and Logout button.

3.4 Profile Screen



Carol Timith(22)

Tutee

Computer Science | University of Pretoria

Rating Tutees Connections
4 2 39

About Me

I am a self motivated individual who finds joy in exploring new technologies. I absolutely love teaching people. Fun fact: I love cooking. Always eager to help, feel free to hmu!

Gender

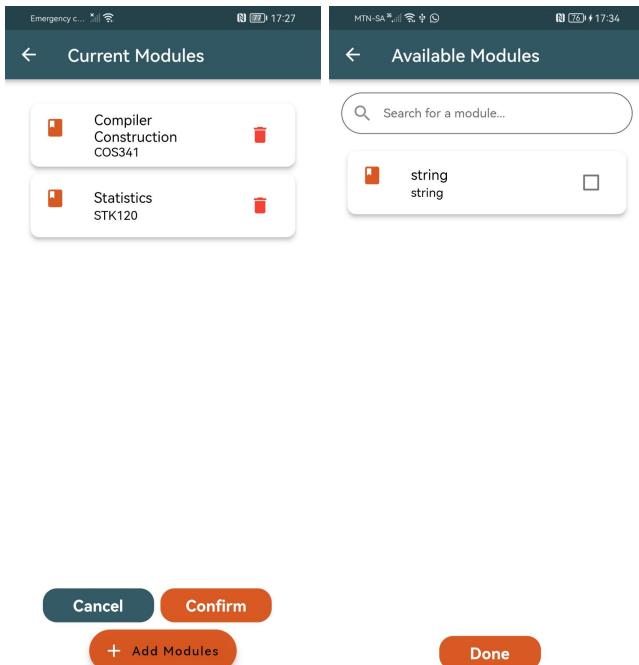
Female

Modules I tutor

- * WTW114 - Calculus
- * WTW115 - Discrete Mathematics

The Profile Screen will contain The users details and contain a button at the bottom to edit their module list.

3.4.1 Edit Module List



If the user clicks on the edit module list button. They would be lead to this page where they can click Add Modules button and select the modules form the list that are available in the institution, then click done then confirm.

3.5 Settings Screen

This page allows for viewing and editing of one's profile, this includes the editing of profile pictures, uploading of Id's and transcripts, Username as well as Bio



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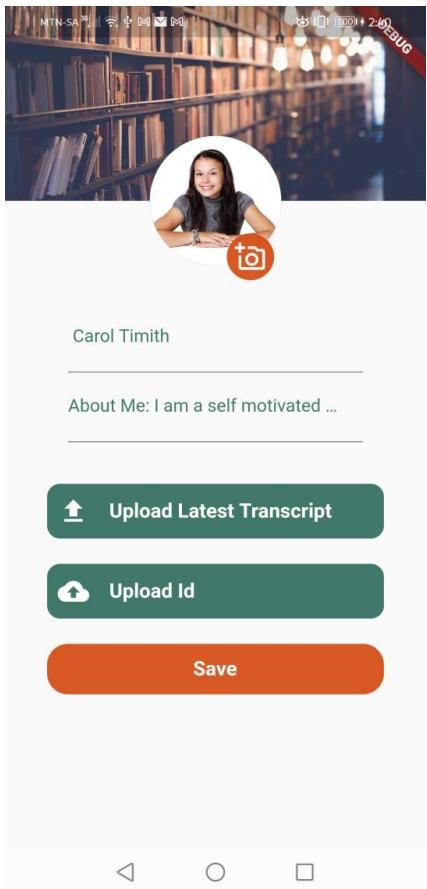
Gender

Female

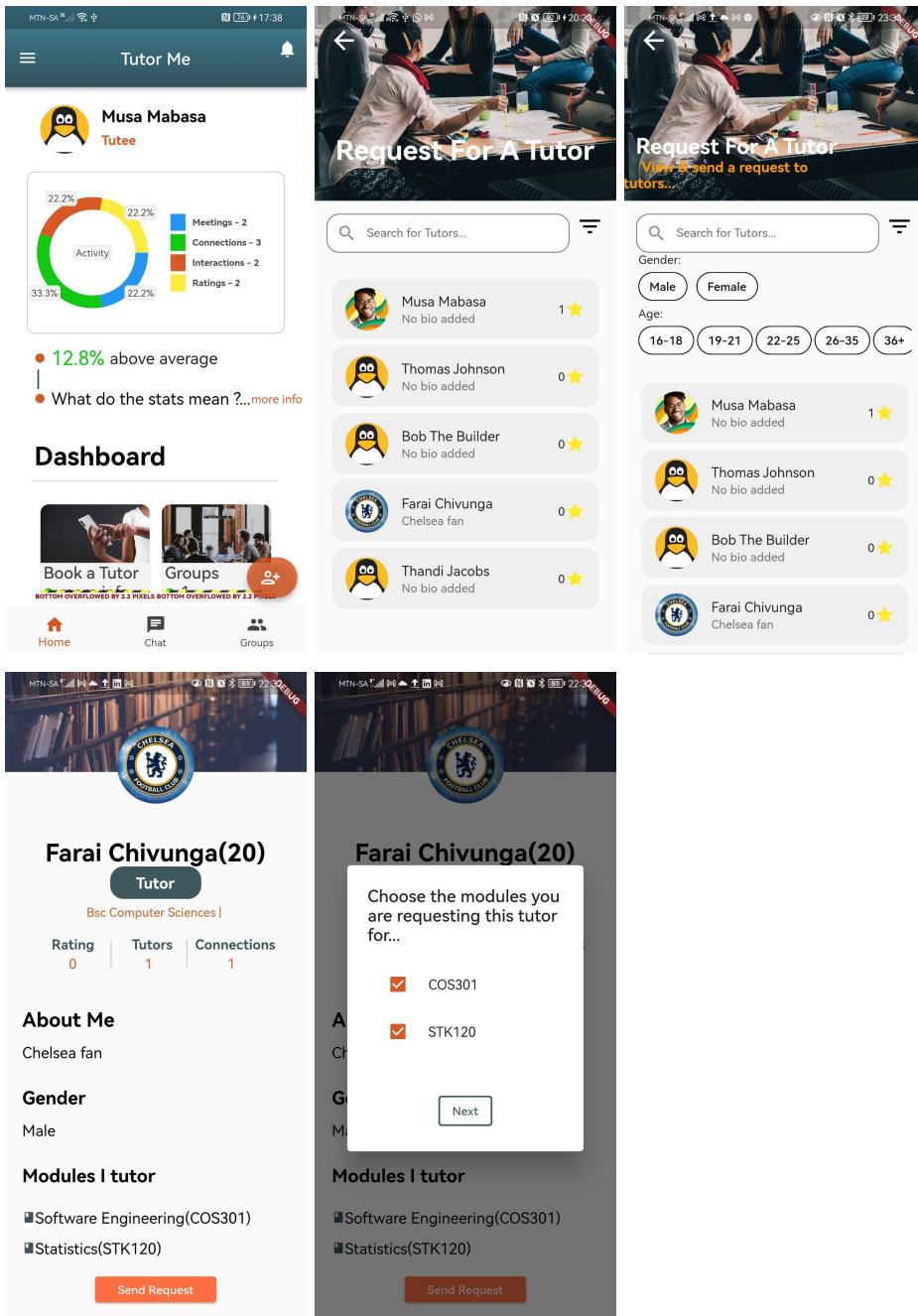
Modules I tutor

- * WTW114 - Calculus
- * WTW115 - Discrete Mathematics

If the user clicks the editing icon “pen” on the top right corner:
They should be lead to a profile editing page,

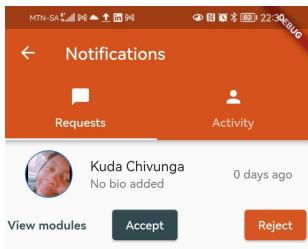


3.6 Request Tutor(Tutee side)



From the home page of the Tutee, there is a request Tutor button on the bottom right of the screen. It leads to this Request For A Tutor Page where you can search for a Tutor based on their Name, Gender, Age or Rating. Then you can a request for the Tutor and they will receive a notification where they can either accept or deny your request.

3.7 Notifications

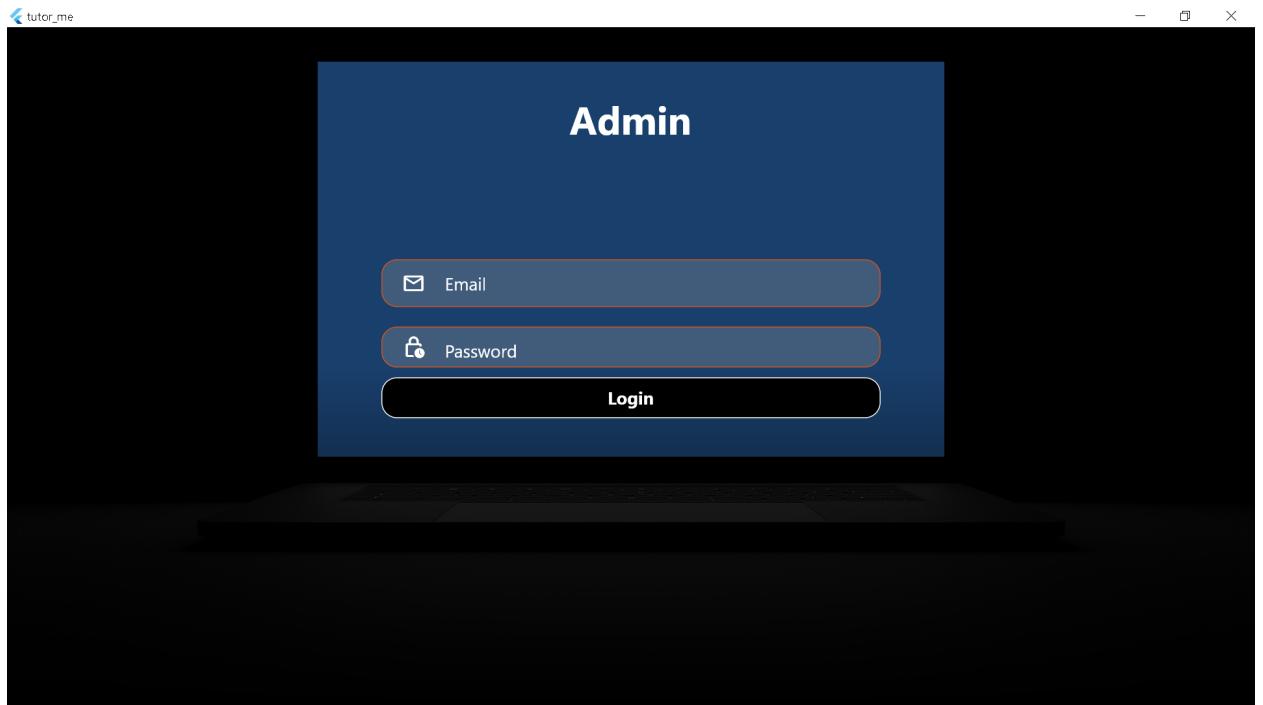


From the home page, there is a notification icon on the top-right of the page where Tutors can view their requests that were sent by Tutees. They can choose to accept or Deny the request. If they accept the request, the tutee and the tutor will become connected.

For information on how to install the app, one can follow the [Technical Installation Manual](#).

4. Admin Portal

We also have an Admin Portal which only a few people have access to. It is best used on the web, Windows or Linux computer, but is also available on android.



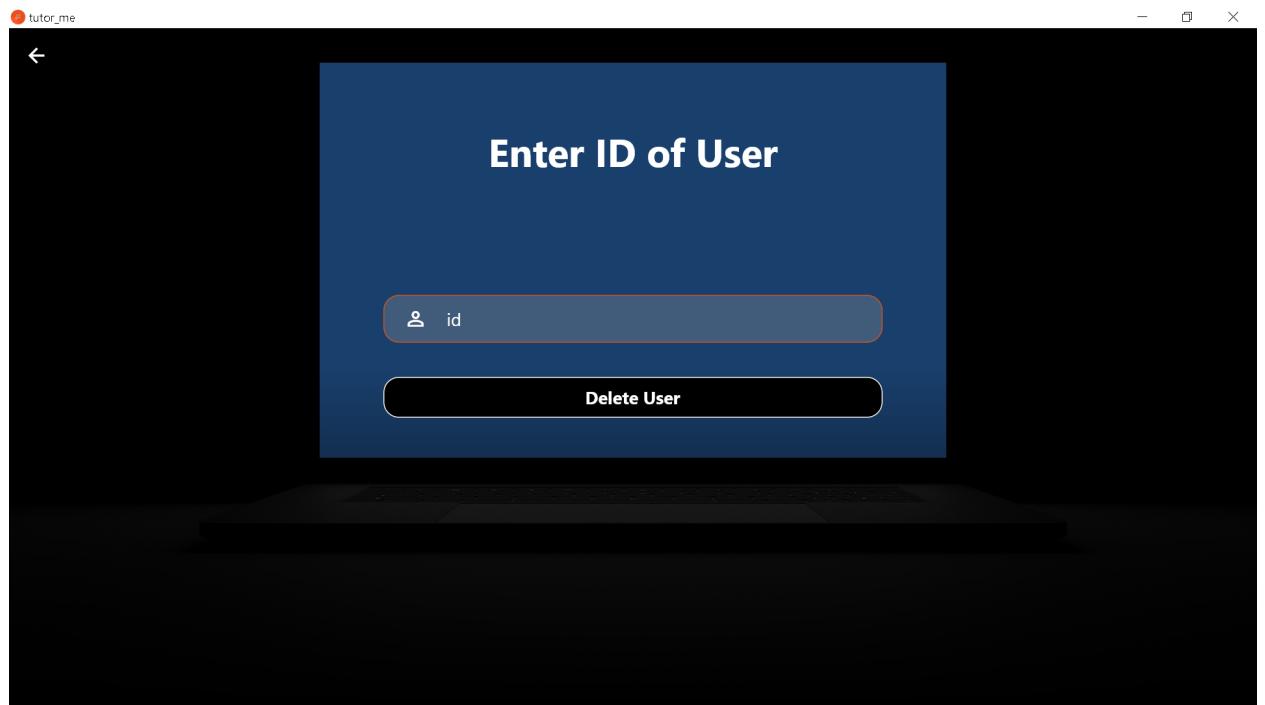
4.1 Admin Home

This is the admins home dashboard where they land after logging in.

A screenshot of the Admin home dashboard. The title bar says "tutor_me" and "Admin". The dashboard is divided into a grid of ten cards. Row 1: "Delete User" (Delete by ID, 1 item), "Update Tutor" (Change Email, 1 item), "Update Tutee" (Change Email, 1 item), "Delete Module" (Module Code, 1 item), "Add Module" (Module Code, 1 item). Row 2: "Add Institution" (University Name, 1 item), "Review Tutor" (Inspection, 1 item), "Add Badge" (New Badge, 1 item), "Delete Badge" (Delete by ID, 1 item), "Add Admin" (Admin Details, 1 item).

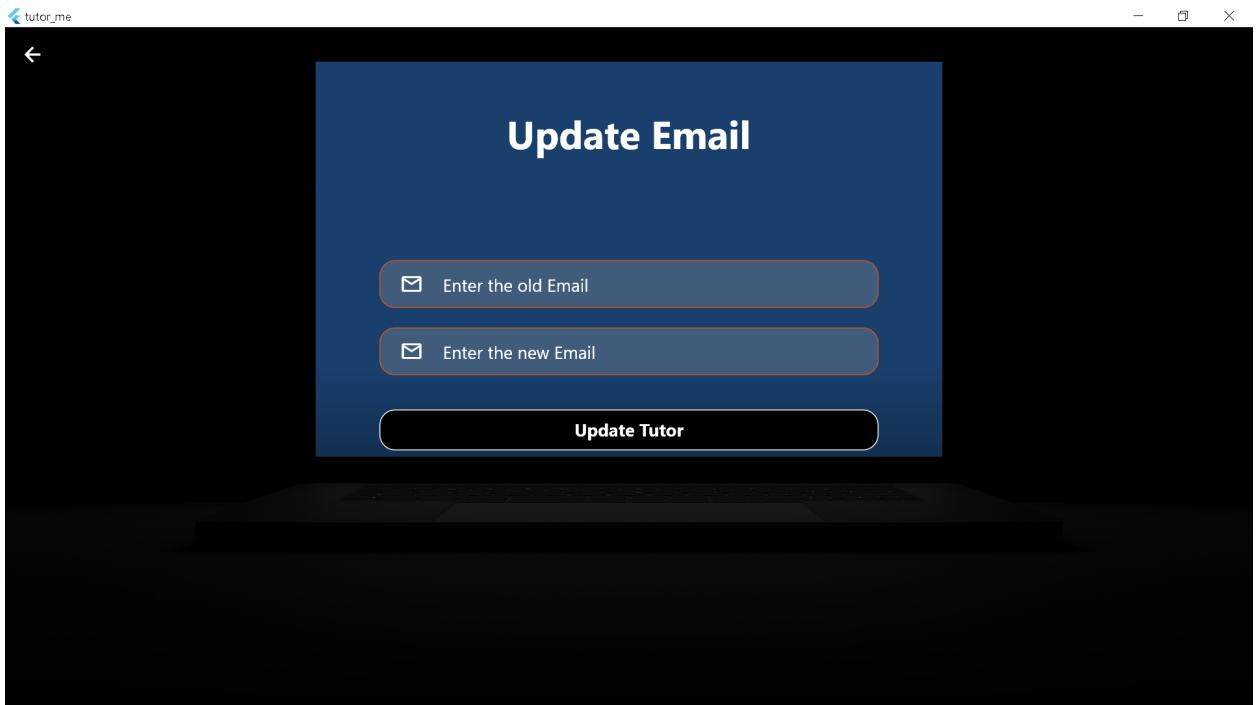
4.1.1 Delete User

The Admin can delete a user using their userId. This can be a Tutor, Tutee or Admin



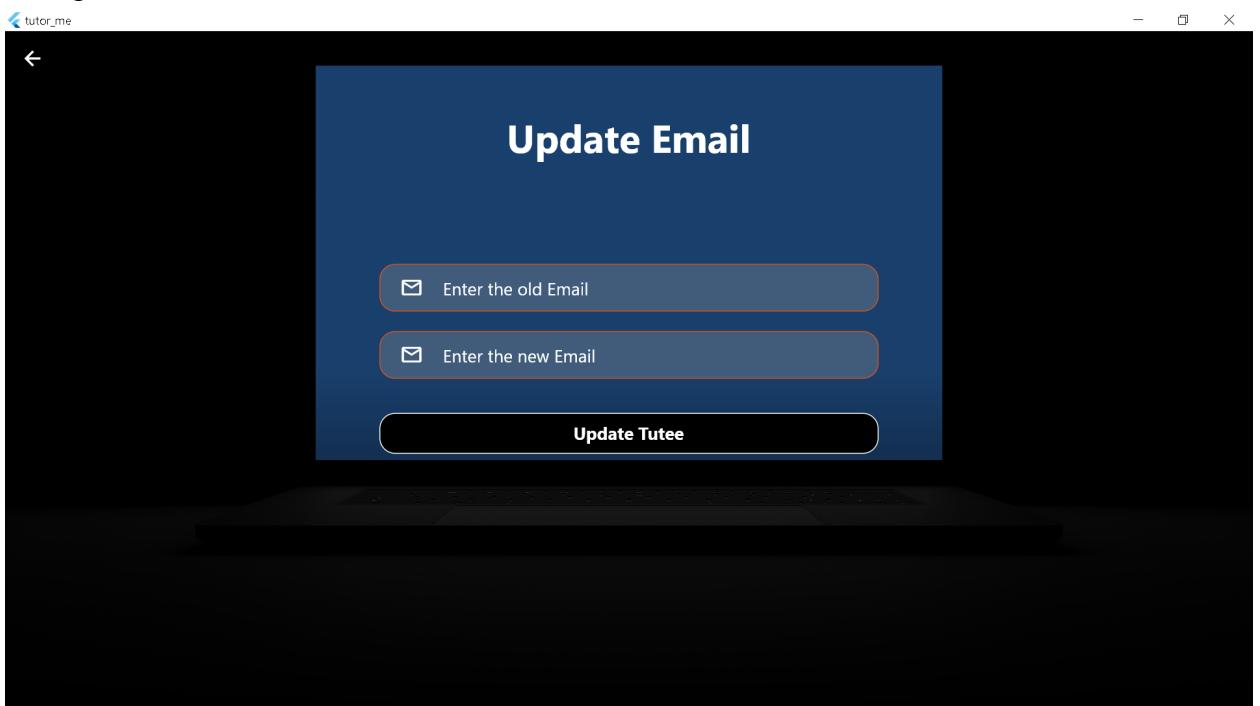
4.1.2 Update Tutor

The Admin is the only one that can update a Tutors email in case he/she forgets it or the email is inactive. This is because a user's email is so important in the Tutor me app (unique identifier) that we try to limit the number of times it can be changed.



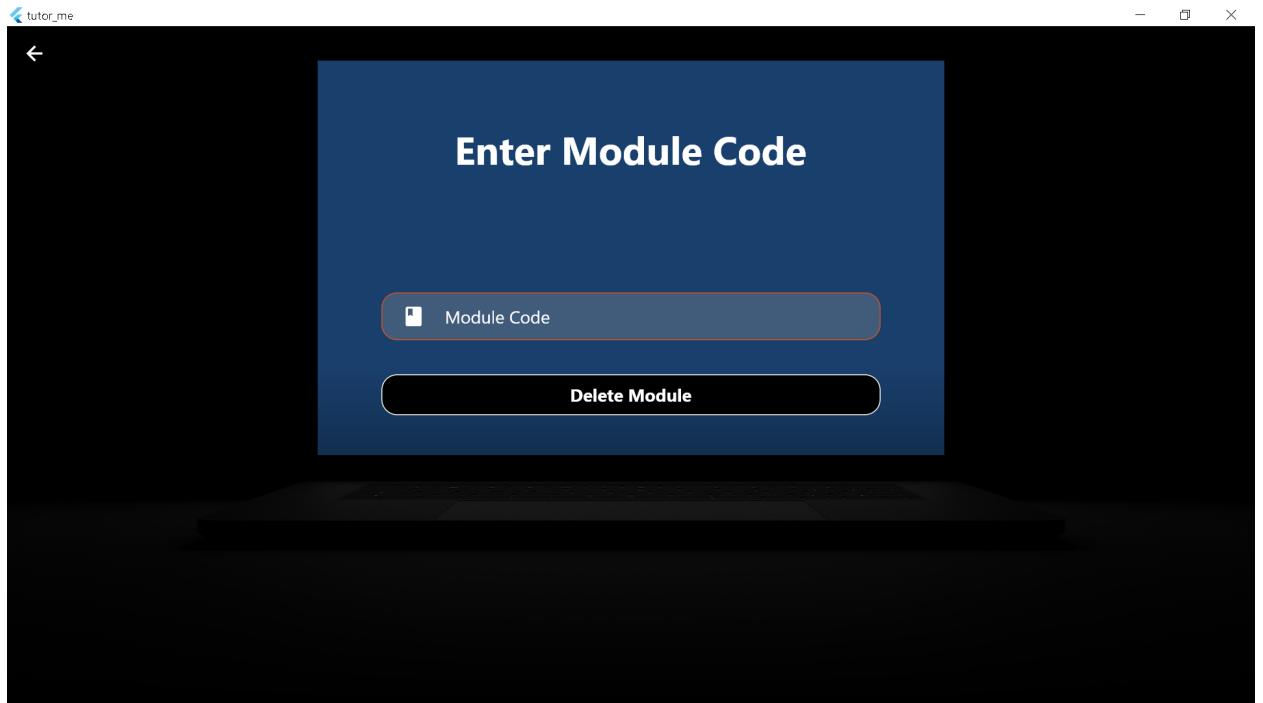
4.1.3 Update Tutee

The Admin is the only one that can update a Tutees email in case he/she forgets it or the email is inactive. This is because a user's email is so important in the Tutor me app (unique identifier) that we try to limit the number of times it can be changed.



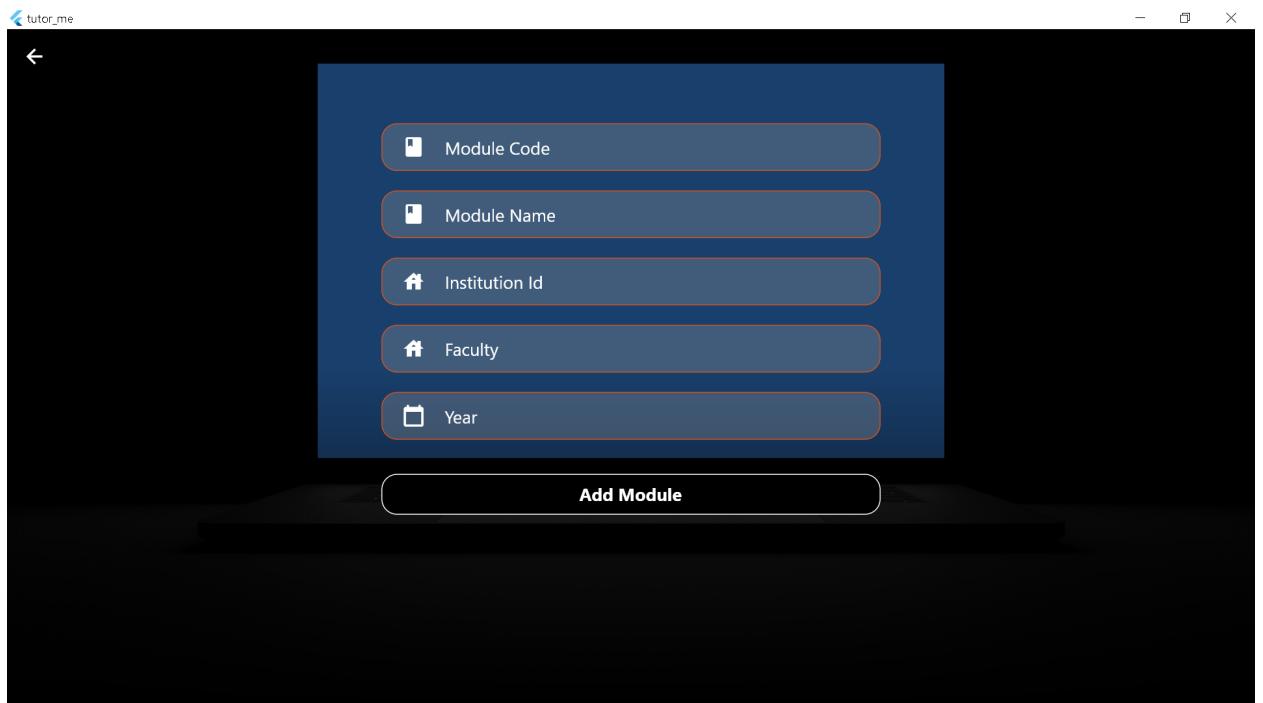
4.1.4 Delete Module

The Admin can delete a module using its moduleId.

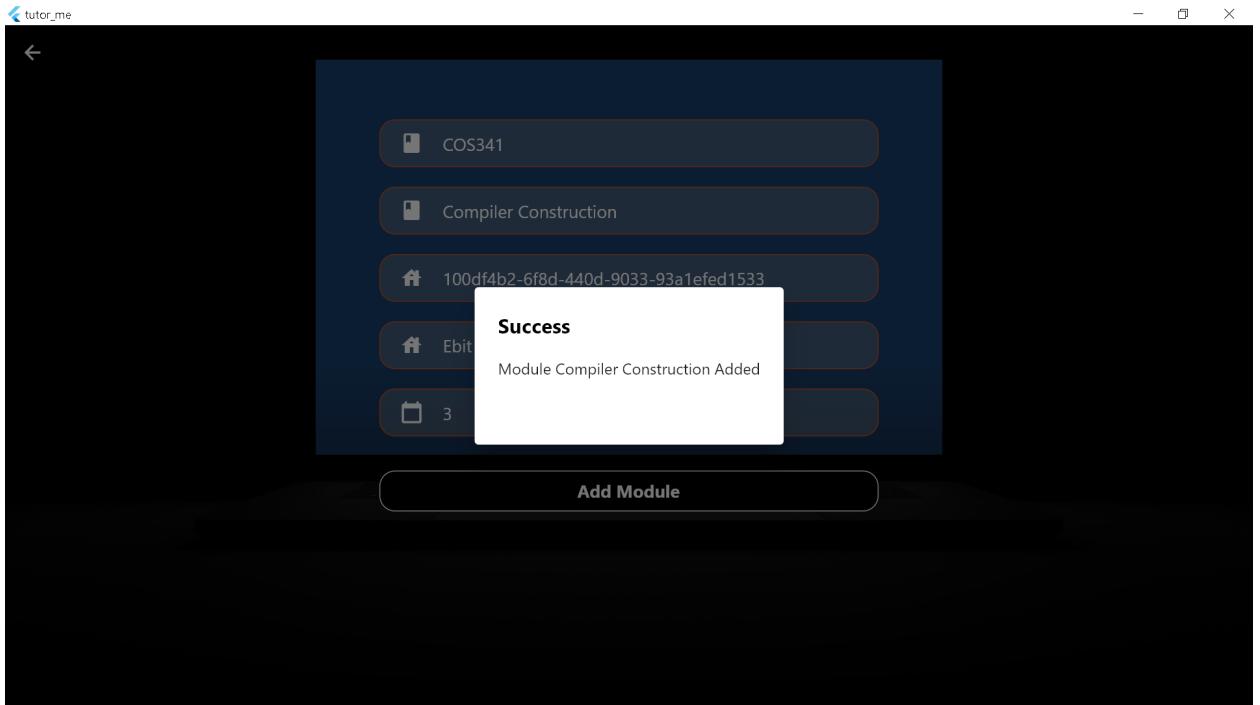


4.1.5 Add Module

The Admin can add modules by filling in the details of the module.

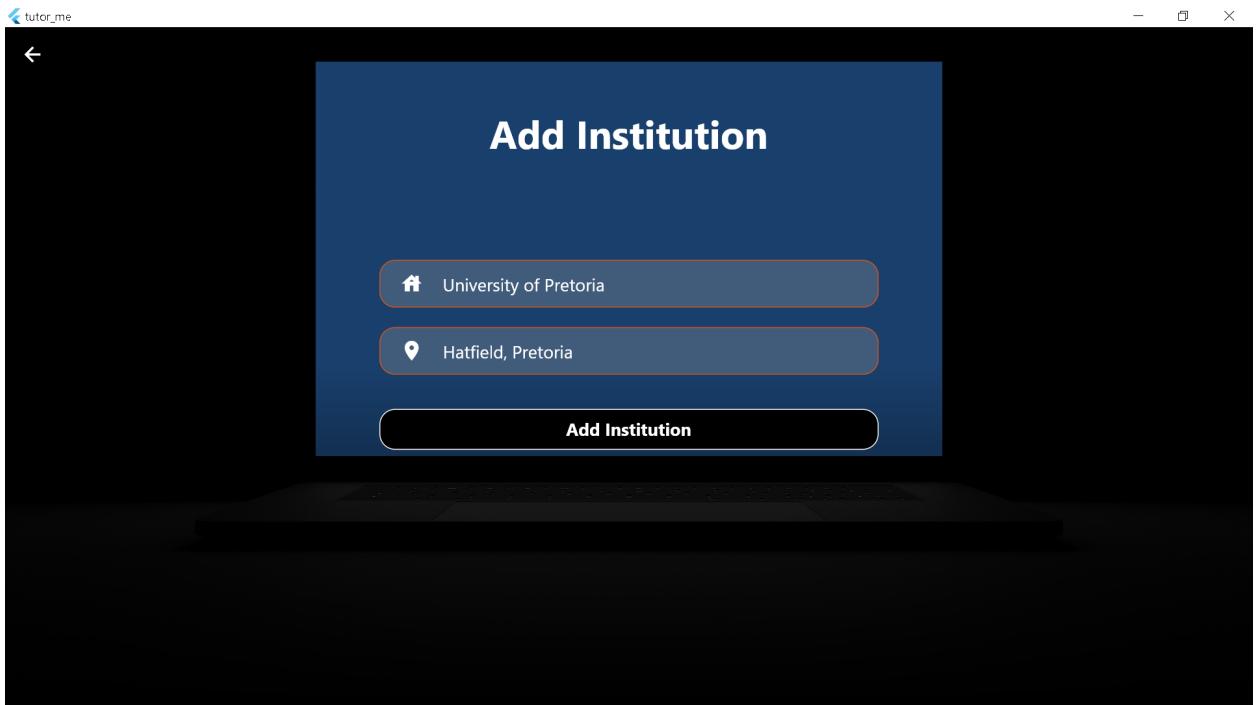


Feedback is given when the action is successful or not. Feedback is given everywhere in the app.



4.1.6 Add Institution

The Admin can add an institution by filling in the details.



4.1.7 Review Tutor

A tutor can be reviewed in order to see if they are capable or allowed to use the app as a tutor.

The screenshot shows a mobile application interface titled "Review Tutors". It displays two tutor profiles. Each profile includes the tutor's name, email, age, gender, and institution. Below each profile are three buttons: "View Transcript" (dark blue), "Verify Tutor" (green), and "Decline" (red).

Tutor Name	Email	Age	Gender	Institution
Kuda Chivunga	kchivunga@gmail.com	16	M	University Of Pretoria
Simphiwe Ndlovu	simphiwendlovu527@gmail.com	16	M	University Of Pretoria

4.1.8 Add Badge

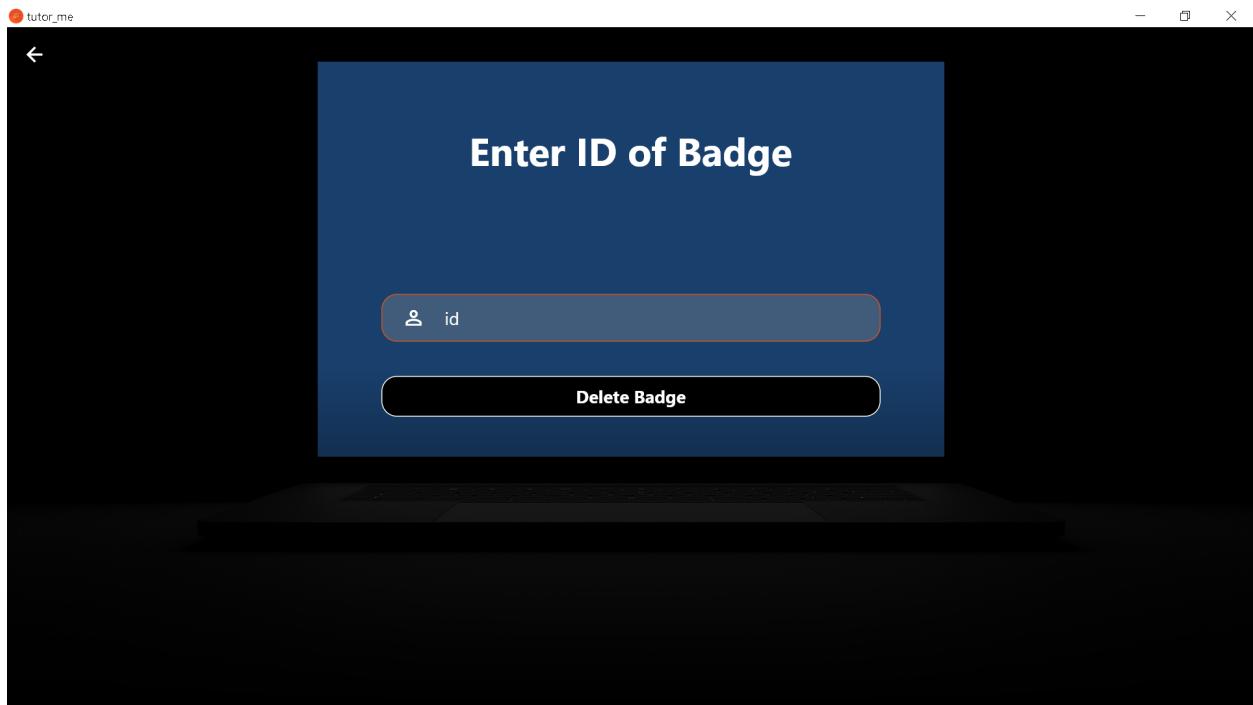
The Admin can create new badges for users of the app.

The screenshot shows a form for adding a new badge. It consists of five input fields: "Name of Badge", "Description", "image", "Points", and "Points To Achieve". Below the form is a large "Add Badge" button.

Field	Description
Name of Badge	Text input for the badge name
Description	Text input for the badge description
image	File input for the badge image
Points	Text input for the points required
Points To Achieve	Text input for the points to achieve the badge

4.1.9 Delete Badge

An Admin can delete badges in the app.



4.1.10 Add Admin

An Admin can register another admin by filling in their details.

