KlassTab Mobile Application

1.0

User Guide

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1.0 Accessing the System

The client user interface is accessible through an android phone with the KlassTab apk installed. This can as well be accessed from the PlayStore link below. Simply click the KlassTab icon to launch the application.

1.1 Welcome Screen

This is what the user is presented with when the application is run on the phone. The user is able to navigate to the other screens by clicking the "continue" button.
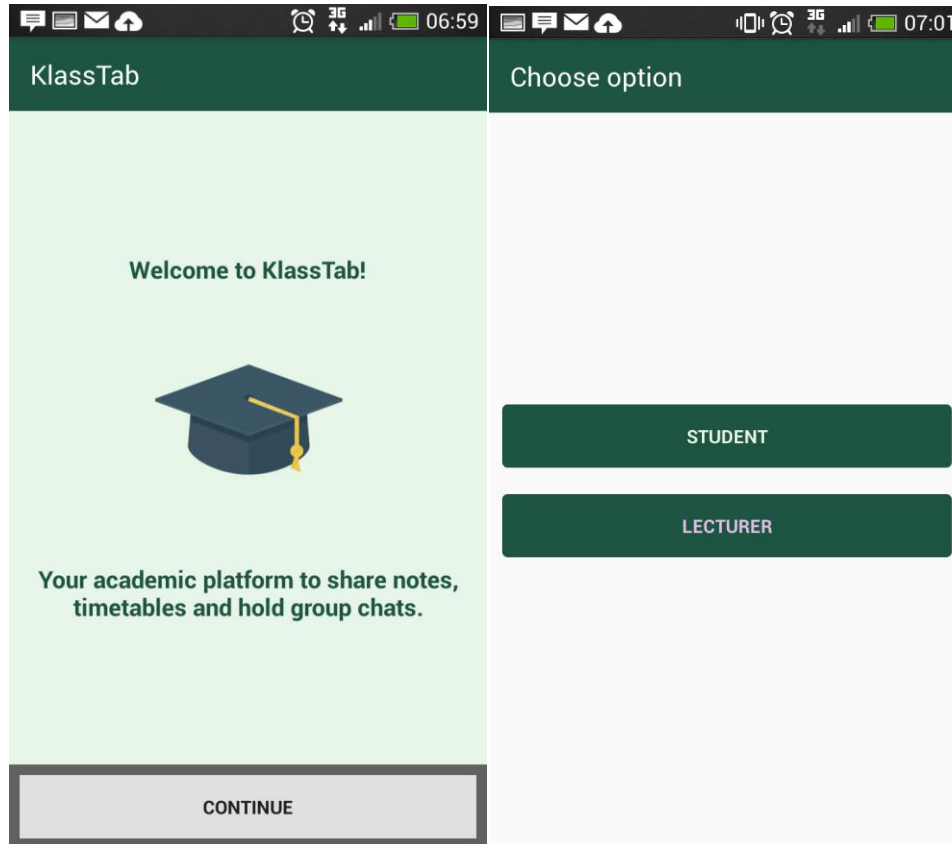

Figure 1: Welcome screen and usage options screen

At this stage, the user can select the suitable option to use the application. The two options are lecturer and student.

2.0 Lecturer interfaces

2.1 Login Lecturer

With this form, the user (lecturer) fills in the required details i.e. email and password. At this level, the following response messages can be returned to the user.

Table 1: Response messages while logging in (lecturer)

Error	Reason
1. Please fill in the missing field(s)	User tries to login without filling in one or more required fields

2. Wrong credentials/Authentication failed	Password and/or email address incorrect
3. Error in internet connection	The user has no active internet connection or the server fails to respond appropriately
4. Logged in successfully	User has successfully logged in to their account

Figure 2: Login screen (Lecturer)

When the user logs in successfully, a session identifying them is saved. This means that until the user logs out or his/her session expires, they can access the system on through the app on the phone.

2.2 Lecturer dashboard
The dashboard has the following menu items i.e Notices, Tests, Contacts, About and Settings. To check which user is logged in, check the dashboard menu of the screen user interface.
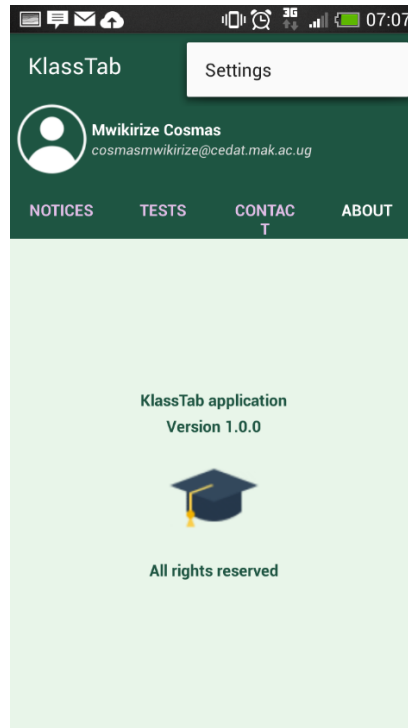
Figure 3: Dashboard (Lecturer)

2.2.1 Notices

The lecturer uses this interface to post notices to a specific class and as well view notices of a particular class.
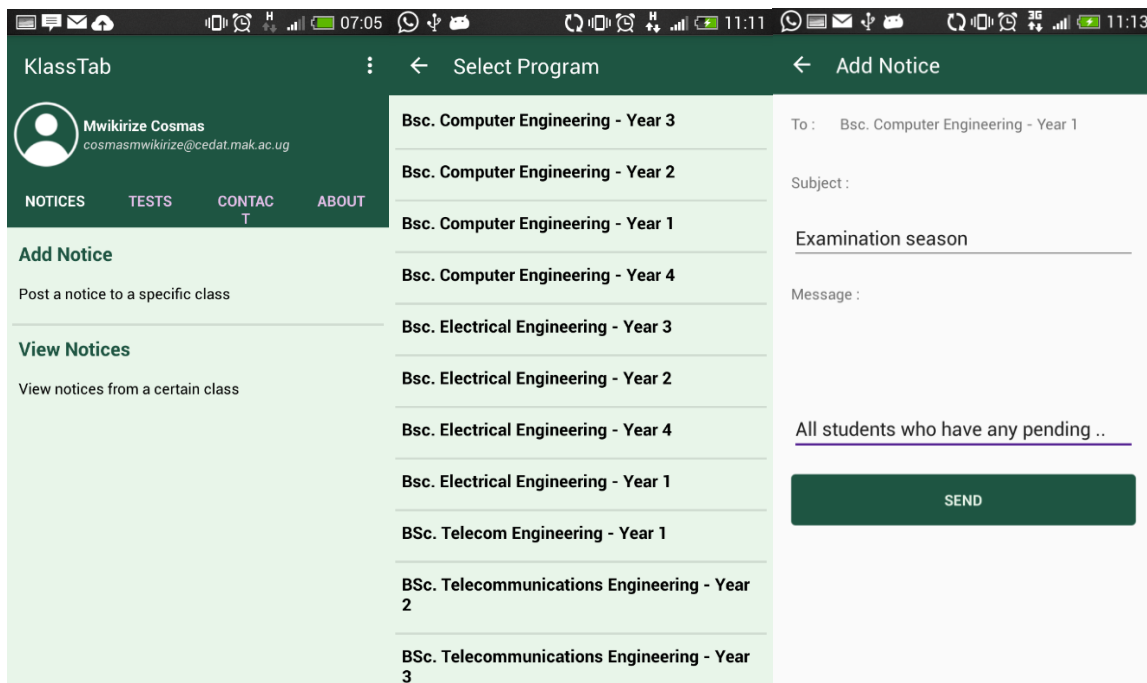

Figure 4: The notices module interfaces (lecturer)

On choosing any of the options indicated on the notices screen, the lecturer is presented with a list of courses where he/she makes a choice on which program to post/view notices.

Add Notice
From this interface, the lecturer is able to type a notice and post it to a specific class.

View Notices
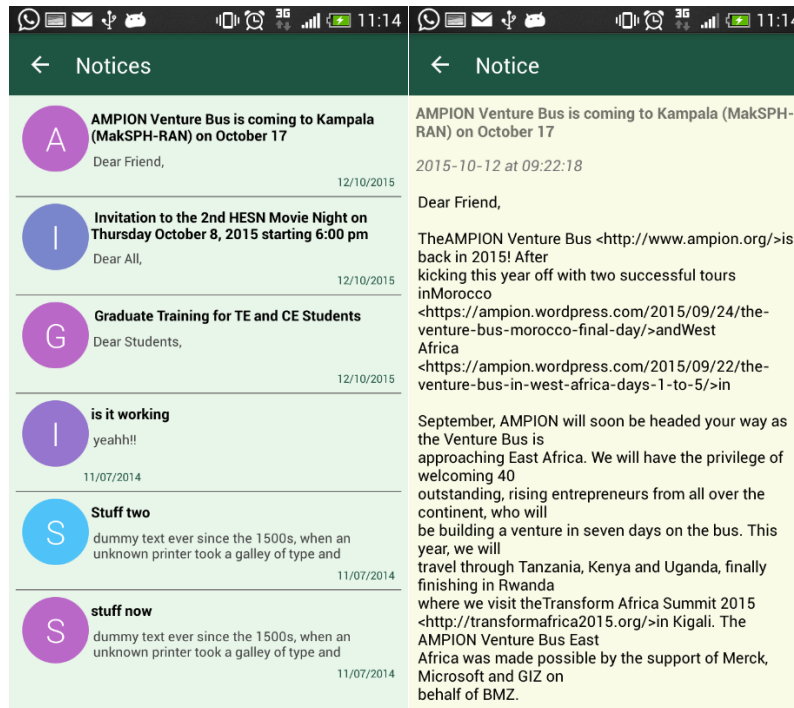The lecturer can view all notices of a particular class and as well preview the notices that were posted.

Figure 5: Viewing notices in details

2.2.2 Tests
The lecturer uses this interface to post notices to a specific class and as well view notices of a particular class.
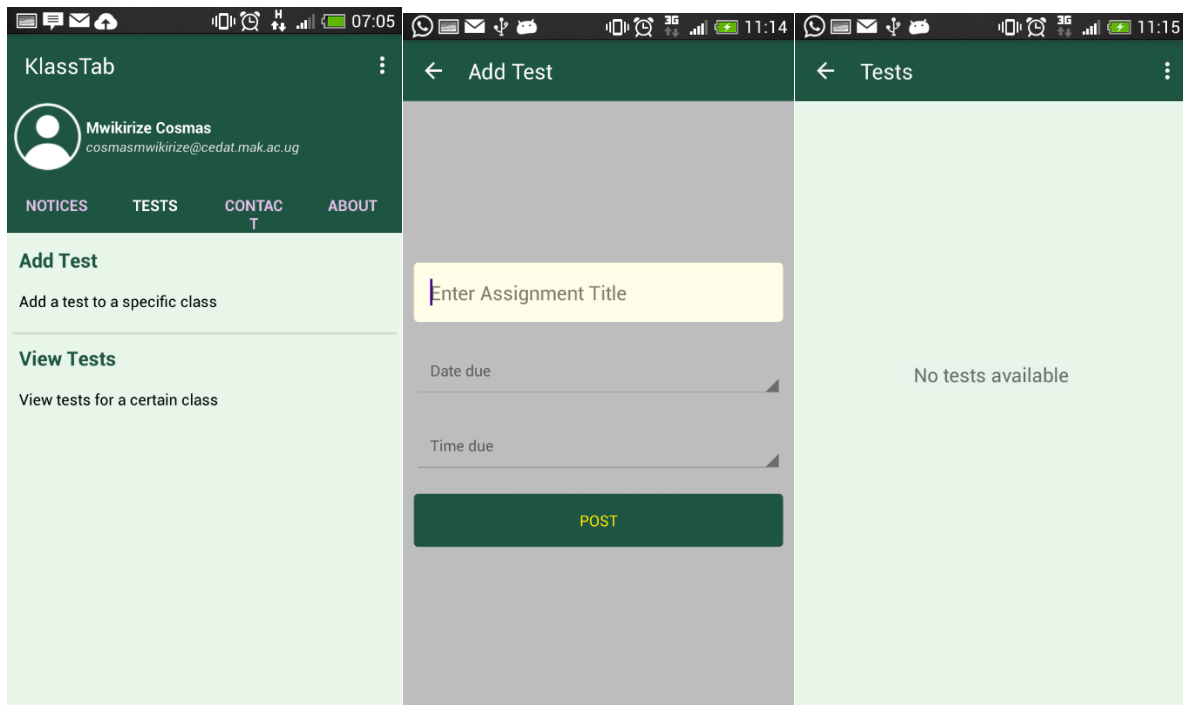
Figure 6: The tests module in detail (lecturer)

On choosing any of the options indicated on the notices screen, the lecturer is presented with a list of courses where he/she makes a choice on which program to post/view notices.

Add Test
From this interface, the lecturer is able to type a test and post it to a specific class. The lecturer specifies the time and date of that particular test.

View Notices
The lecturer can view all tests of a particular class and as well preview the notices that were posted.

2.2.3 Contact
The lecturer uses this to make a phone call and/or send an email to a contact person (admin) for KlassTab. When a user clicks the phone number, it opens up an activity to make a phone call using the available apps on the user's phone.
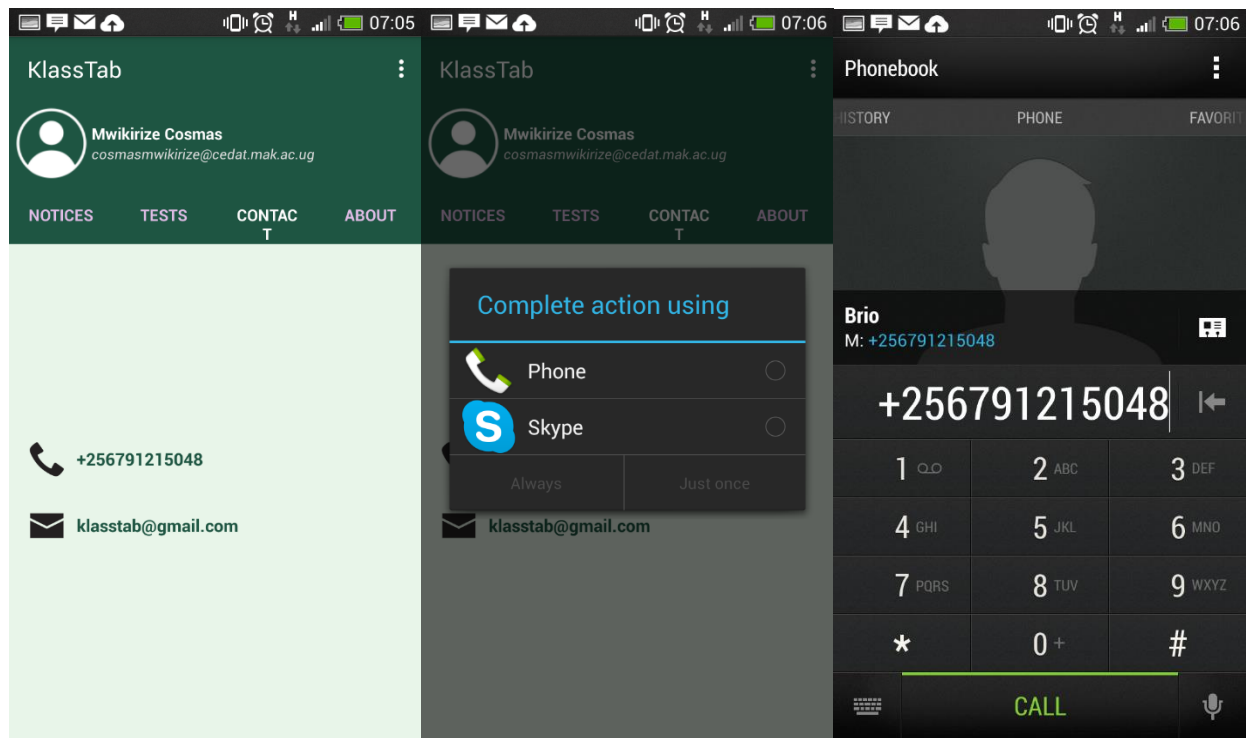
Figure 7: The Contacts module

If the user chooses to send an email, the app opens up an interface where he can type the subject and message content. The user can then click the send button which prompts the user to choose an email client of choice.
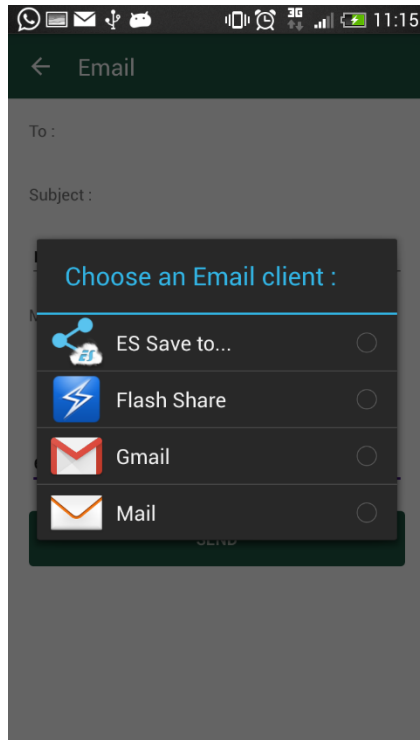
Figure 8: Choose mail client pop-up menu

2.2.4 About

This has the basic information regarding the application such as the version and the app logo. The version keeps changing as the app gets updated.
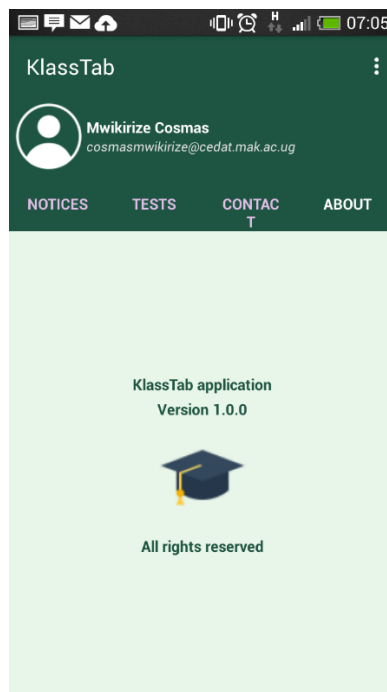

Figure 9: About KlassTab

2.2.5 Settings

This interface is accessible by clicking the top right hand icon. It presents the user with two options i.e. feedback and logout.
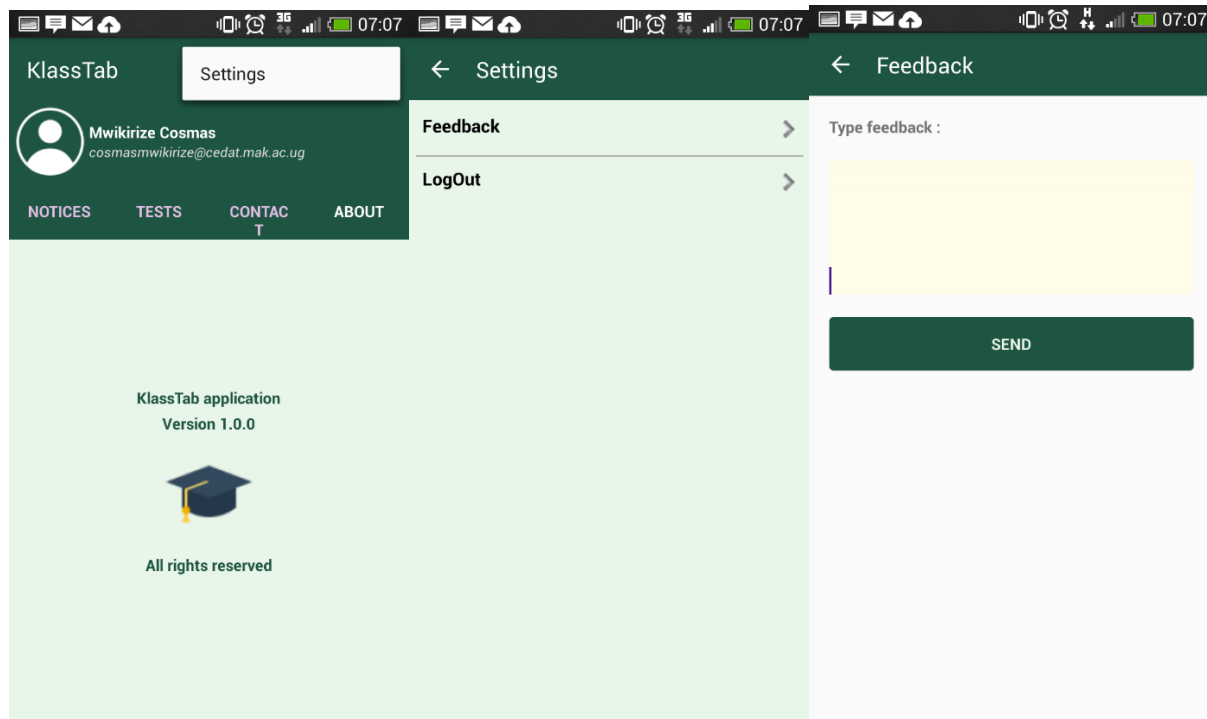

Figure 10: The Settings module

Feedback

The lecturer can send any information to the KlassTab administrators using this interface.

Logout

The lecturer can logout of the app using this option. It redirects the user back to the login interface as shown in figure 2.

3.0 Students module

This is the major component of this application as due to the fact that most of the functions are accessible under this component. A user accesses it by clicking the 'student' button when they open the app for the first time. The user then gets directed to the registration interface.

3.1 Student Register

This is used by the student to fill in their details and on clicking the "'Register' button, the user gets authenticated by the system.
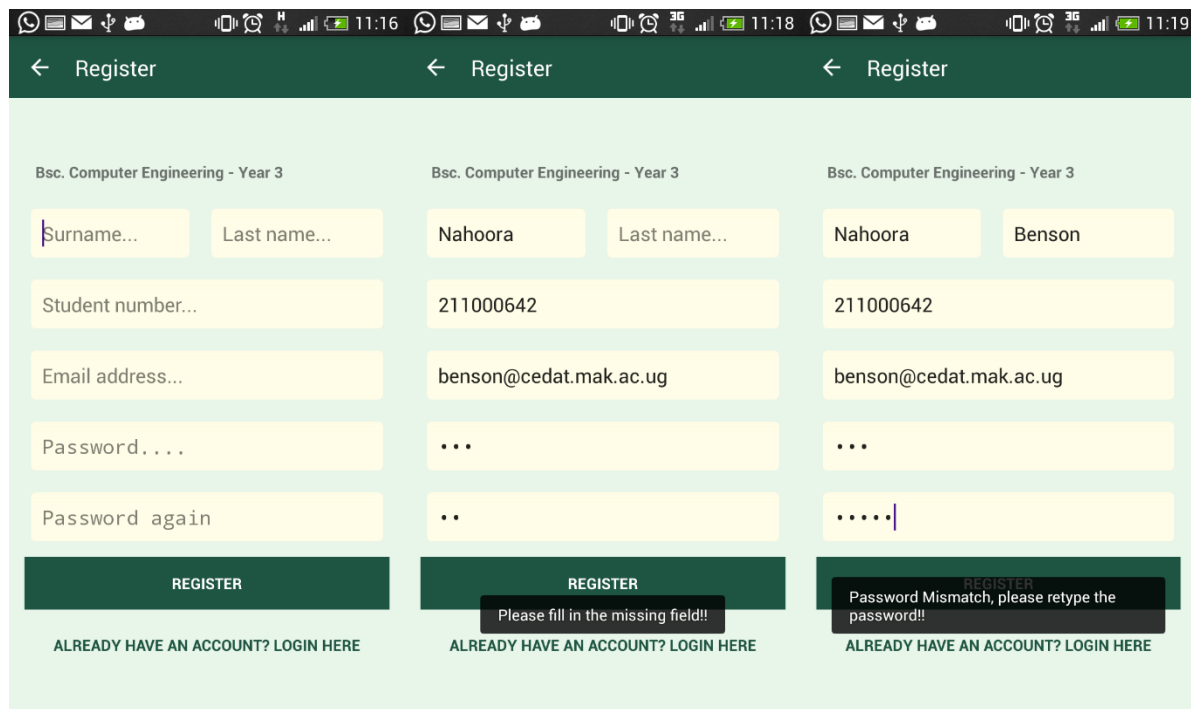
Figure 11: Student registration

At this level, the user can get the following response messages depending on the parameters entered.

Table 2: Student registration responses

Error message	Reason
1. Please fill in the missing field!!	One or more required fields have not been filled in.
2. Password Mismatch, please retype the password!!	The passwords entered do not match
3. Error in internet connection	There is no active internet connection on the users device or the server fails to respond
4. Student registered	The user (student) has successfully been registered.

Upon successful registration, the student is directed to the login(student) interface.

3.2 Student Login

This is used by the student to login to the system using the credentials set in the registration interface. The success at this stage directs the user to the student dashboard as shown below. The login process creates a session which stores the user's details so that they are able to use certain modules with ease while navigating through the different parts of the application.
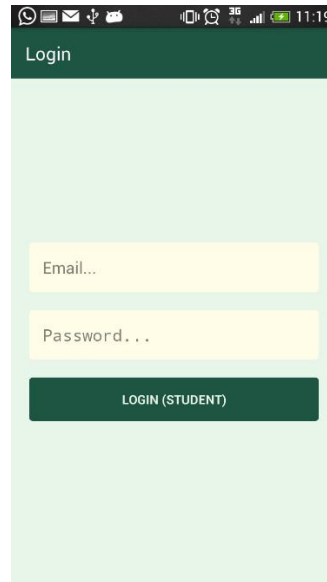
Figure 12: Login student

3.3 Student Dashboard

This consists of 6 modules i.e. Forum, CourseMaterial, Notices, Timetables, Help and settings fragment. These are the menu items that the student can use to access more features of the app as explained.
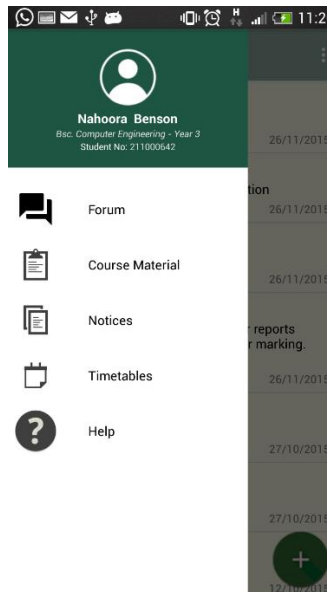

Figure 13: Student Dashboard

3.3.1 Forum

The forum acts a platform for the class group chats. With this, students can communicate to one another by simply reading through the available messages, and using the 'plus' icon (located at the bottom right hand corner of the Forum interface) to add new notices to the class group.
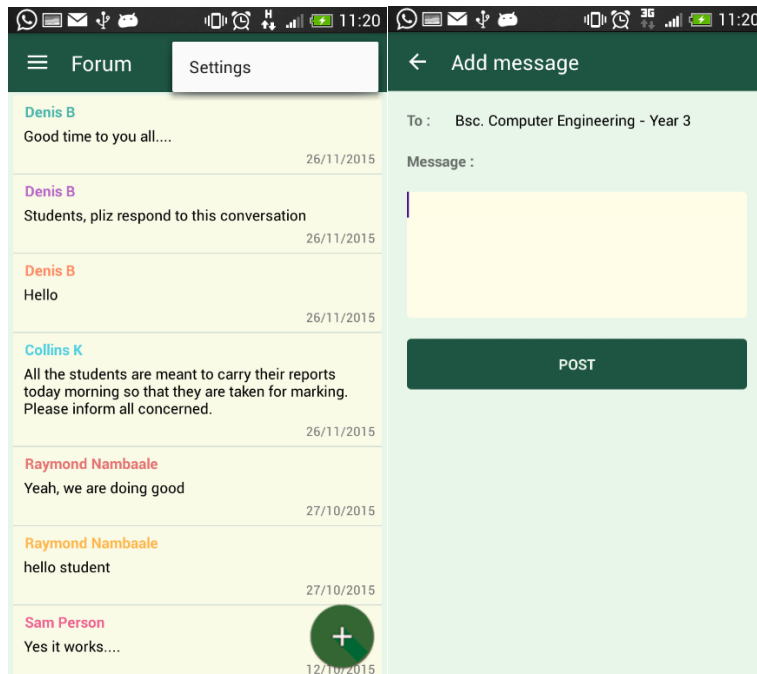
Figure 14: Forum

3.3.2 CourseMaterial

With this interface, the student accesses the files (notes) posted by lecturers to the respective class group. The student can download such files to his/her device for viewing /transfer to other devices at a later time.

Alongside this module, there is a downloads module which can be accessed by clicking the 'folder' icon located at the top right hand corner (i.e. next to the settings icon). This downloads module serves as the file manager for the files downloaded from the system to the device (since they all get stored in the KlassTab folder on the phone storage).
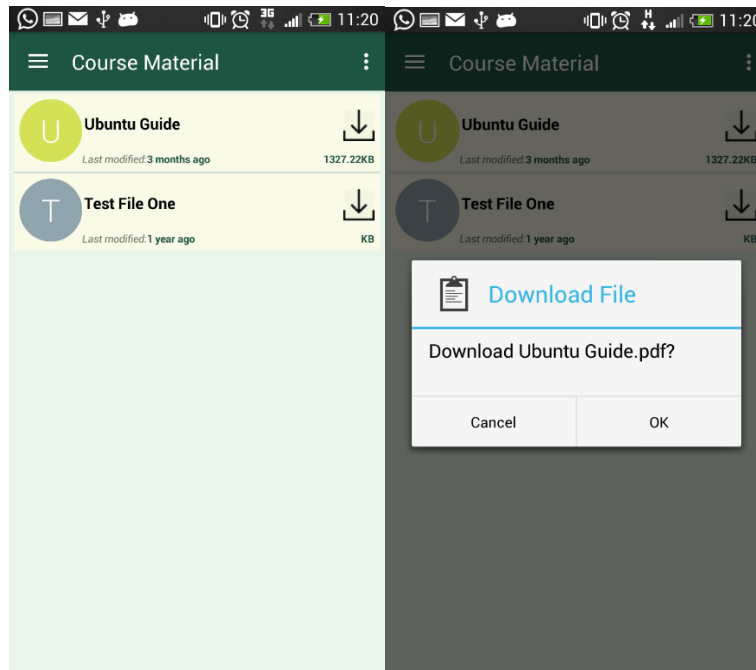
Figure 15: CourseMaterial interface

3.3.3 Notices

This serves as a notice board to the students. The user is able to view all general notices available, and as well read through the class announcements from lecturers. The notices listed can be expanded to get their details.
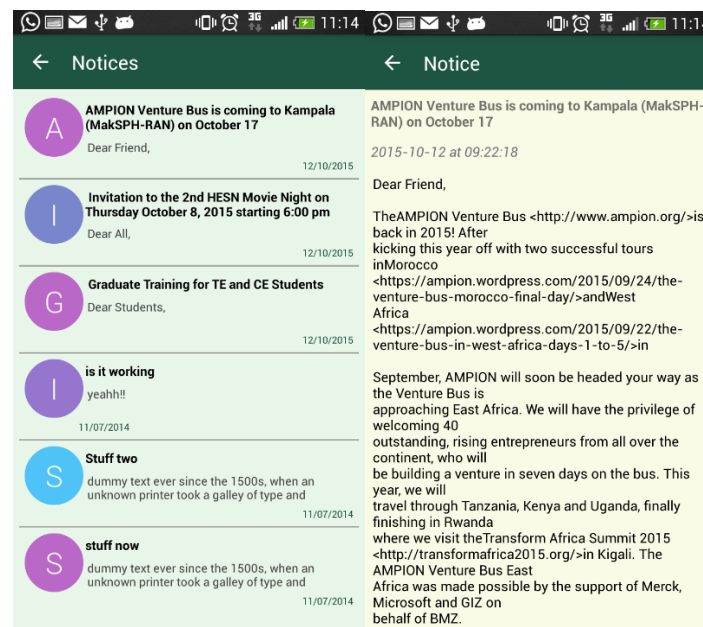

Figure 16: Notices interface (student)

3.3.4 Timetables

This interface aids the user in accessing the timetables for the registered class. These include the class weekly schedules and tests/assignments as shown in the figures below.
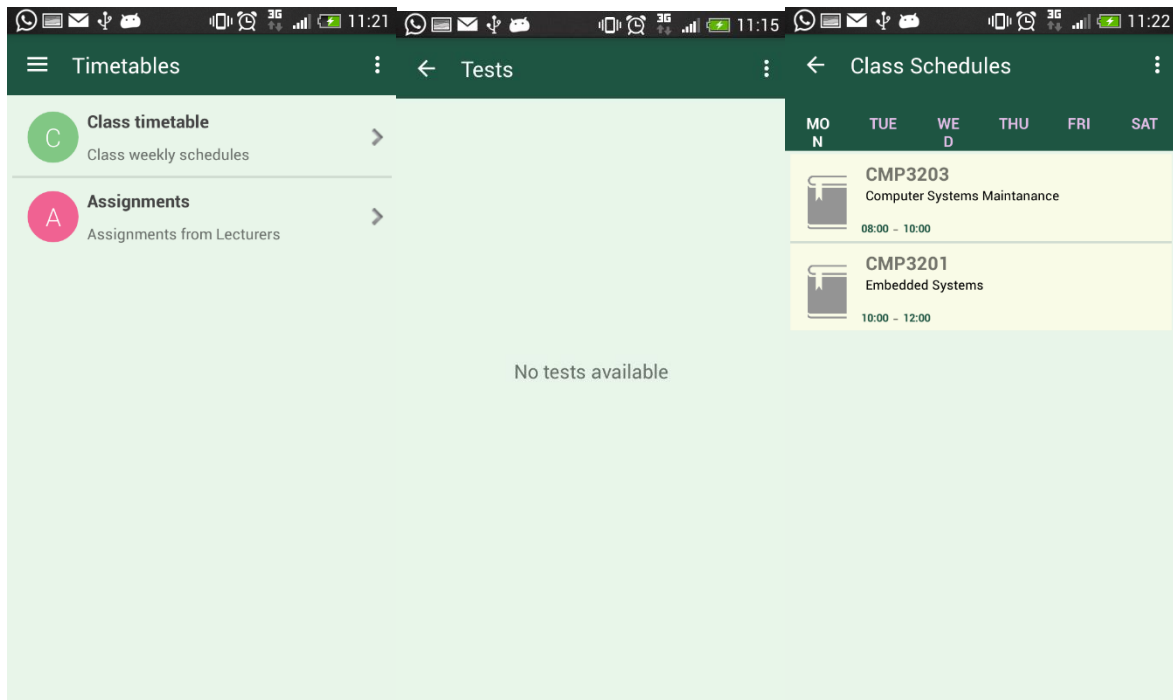

Figure 17: Timetables interface

Class Timetables

This includes the weekly timetable.

Tests

This has the set assignments alongside their set deadlines from the respective lecturers.

3.3.5 Help

The help menu is available for the purposes of viewing information about the application in the 'About' module and various contacts for the student to get in touch with the 'KlassTab' admins.
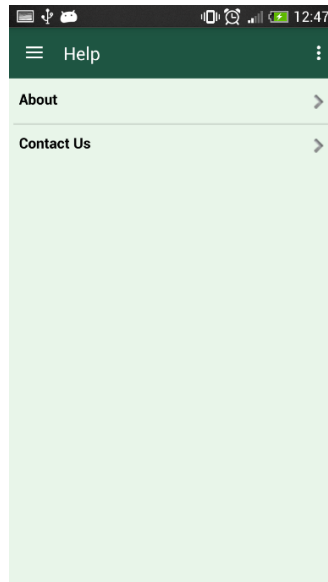
Figure 18: The help interface

3.3.6 Settings
Refer to page