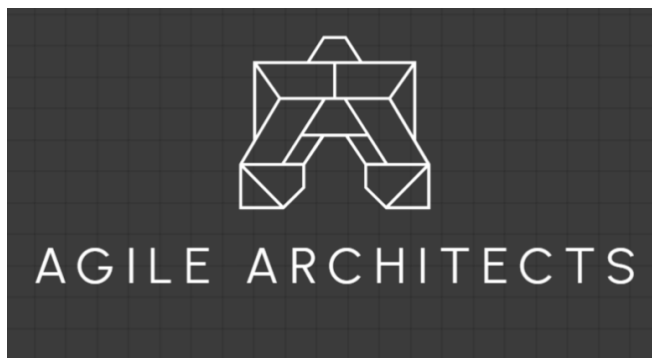




PRONTO

User Manual

Name	Student Number
Shashin Gounden	u21458686
Tyrone Sutherland-MacLeod	u21578878
Bandisa Masilela	u19028182
Andile Ngwenya	u20612894
Jonel Albuquerque	u21598267



Contents

Introduction	3
1. Pronto Mobile application for student use	3
1.1 Requirements	3
1.2 Use	3
1.2.1 Student login/register	3
1.2.2 Timetable generation	5
1.2.3 Navigation	9
1.2.4 Notifications	10
1.2.5 View Institution Files	11
1.2.6 Account page.....	12
1.2.7 Edit Notification Preferences	13
2. Pronto Web application for lecturer use.....	14
2.1 Requirements	14
2.2 Use	14
2.2.1 Lecturer login/signup	14
2.2.2 Edit Module Information.....	15
2.2.3 View Recent Announcements	17
2.2.4 Edit Personal Information	17
3. Pronto Web application for Institutional admin use	18
3.1 Requirements	18
3.2 Use	18
3.2.1 Login/Signup	18
3.2.2 Lecturer Addition	18
3.2.3 Upload Student Files and Schedules	20

Introduction

Pronto is a timetable application that aims to help students to create their university timetables in an easy and convenient way. They will also be able to receive important reminders, as well as test date and due assignment updates from lecturers, for the modules they have added. Pronto also offers a navigation feature that will enable students to search and receive directions to venues and lecture halls, making campus navigation much easier for pupils that are unfamiliar to the campus.

1. Pronto Mobile application for student use

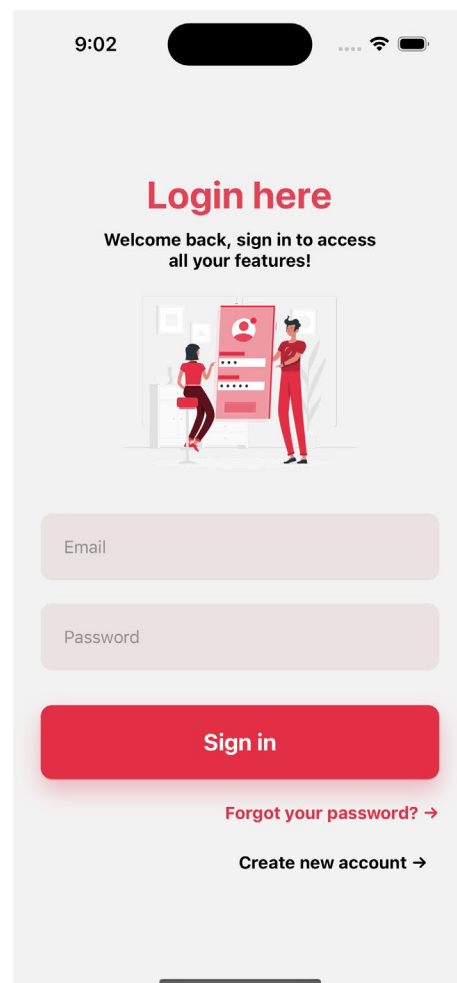
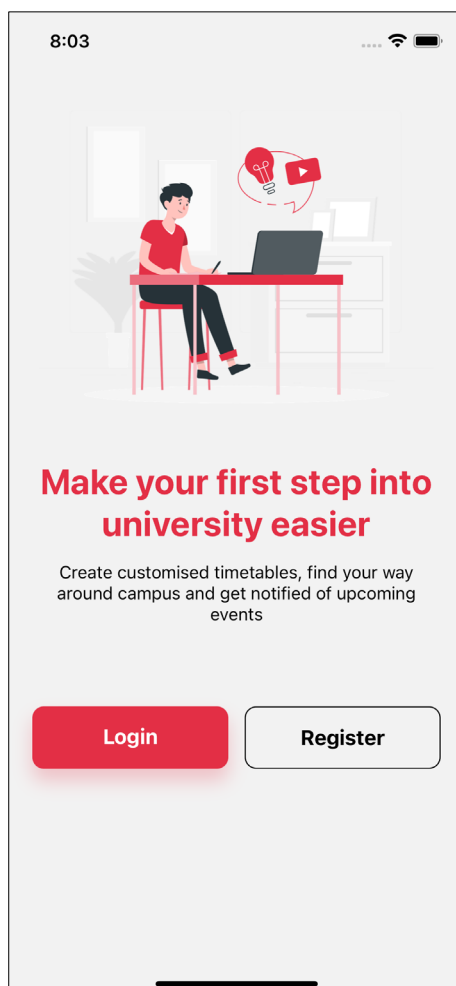
1.1 Requirements

- Stable internet connection

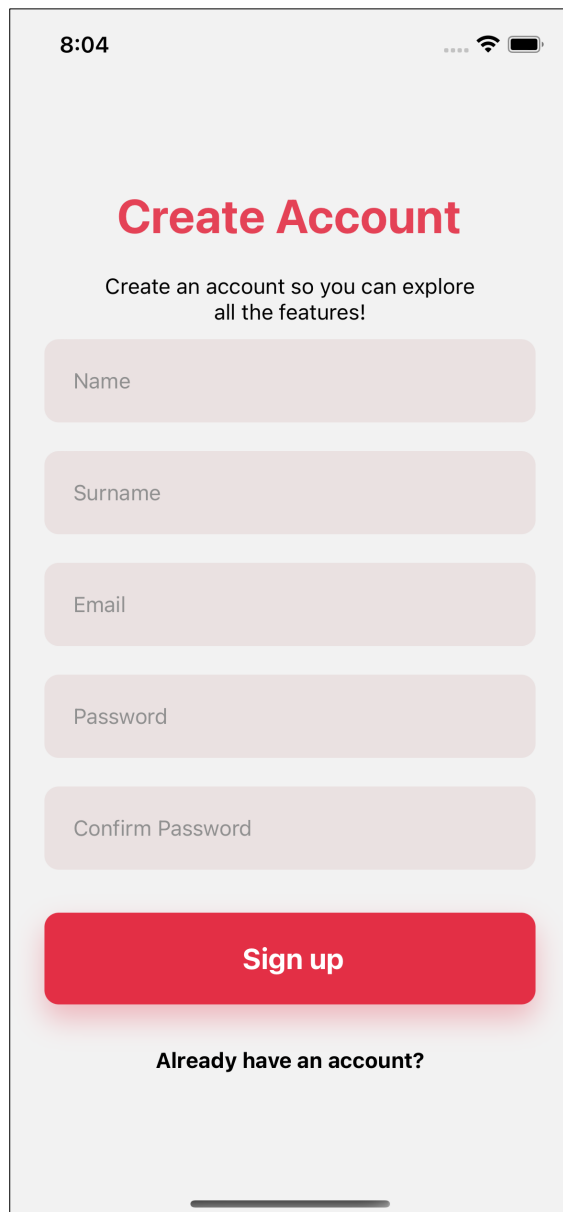
1.2 Use

1.2.1 Student login/register

After downloading the Pronto timetable application, a student will be presented with this login/register page, where they can log into their existing account or create an account using their student email address.



Only a student with an email address that belongs to a registered institution will be able to create an account, and they can do so by entering the following information. They will then be sent a code to verify their email address, and upon successfully logging in they will be taken to the timetable page.



8:04

Create Account

Create an account so you can explore all the features!

Name

Surname

Email

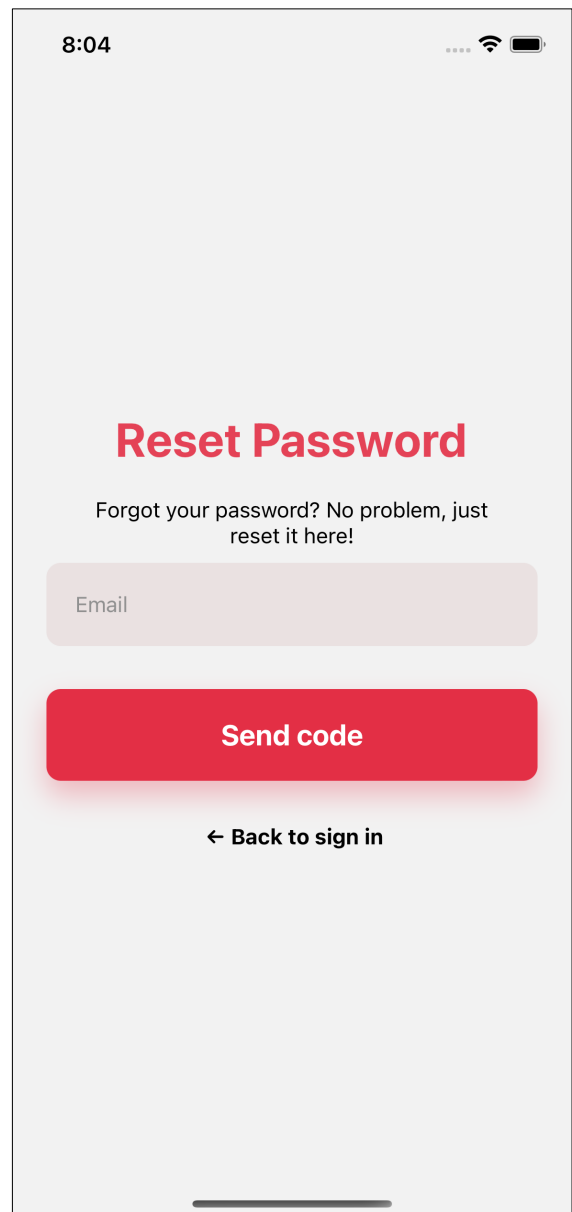
Password

Confirm Password

Sign up

Already have an account?

This is a mobile app screen for creating an account. It features a light gray background with a white status bar at the top showing the time 8:04 and signal/battery icons. The title 'Create Account' is in bold red. Below it is a subtitle 'Create an account so you can explore all the features!'. There are five light pink input fields for Name, Surname, Email, Password, and Confirm Password. A large red button with white text 'Sign up' is at the bottom. Below the button is a link 'Already have an account?'.



8:04

Reset Password

Forgot your password? No problem, just reset it here!

Email

Send code

← Back to sign in

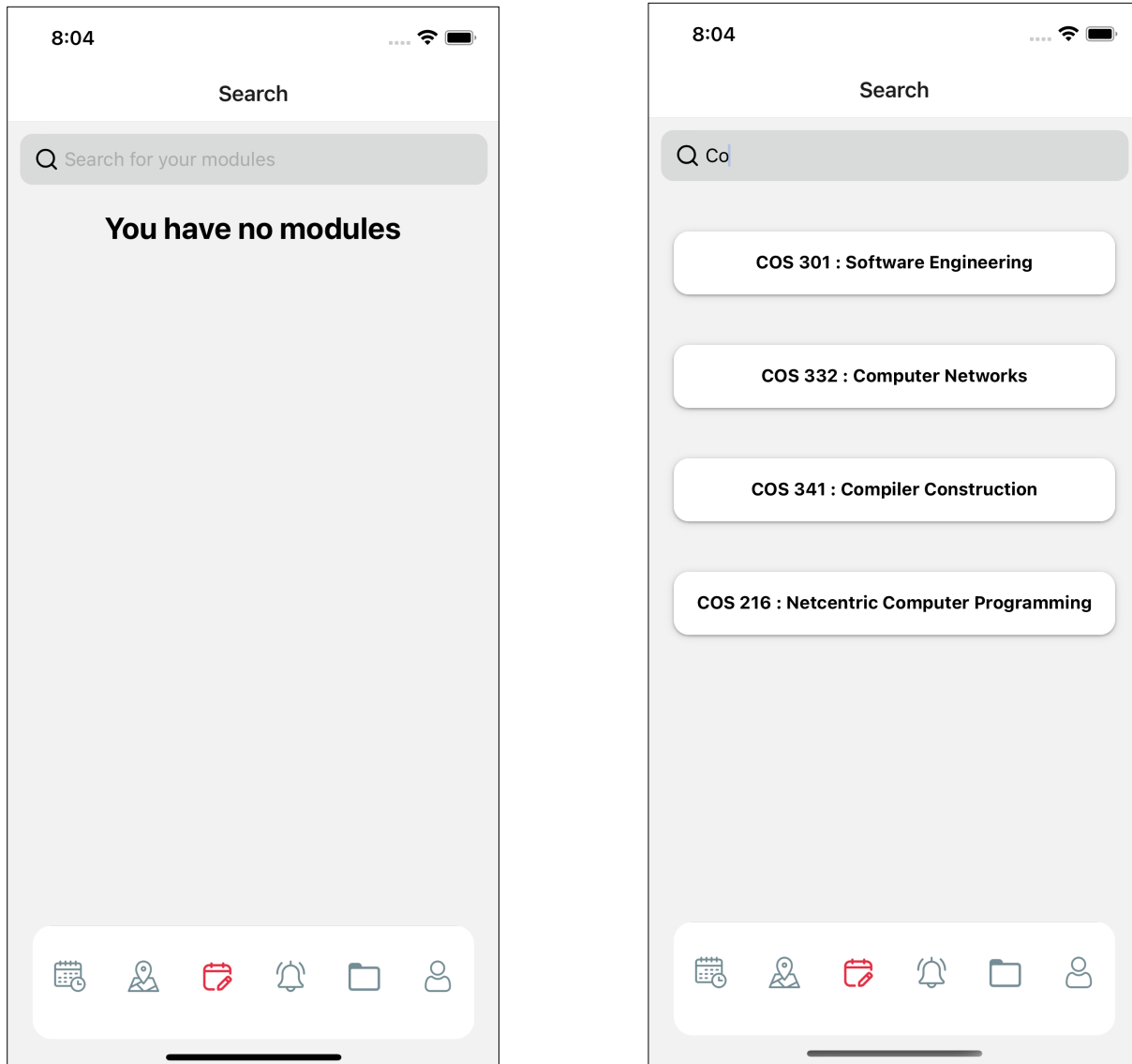
This is a mobile app screen for resetting a password. It features a light gray background with a white status bar at the top showing the time 8:04 and signal/battery icons. The title 'Reset Password' is in bold red. Below it is a subtitle 'Forgot your password? No problem, just reset it here!'. There is one light pink input field for Email. A large red button with white text 'Send code' is below the input field. At the bottom is a link '← Back to sign in'.

Should a user forget their password, they may also go to the “forgot your password?” page as above, where they will be emailed a code and be able to follow the steps to reset their password.

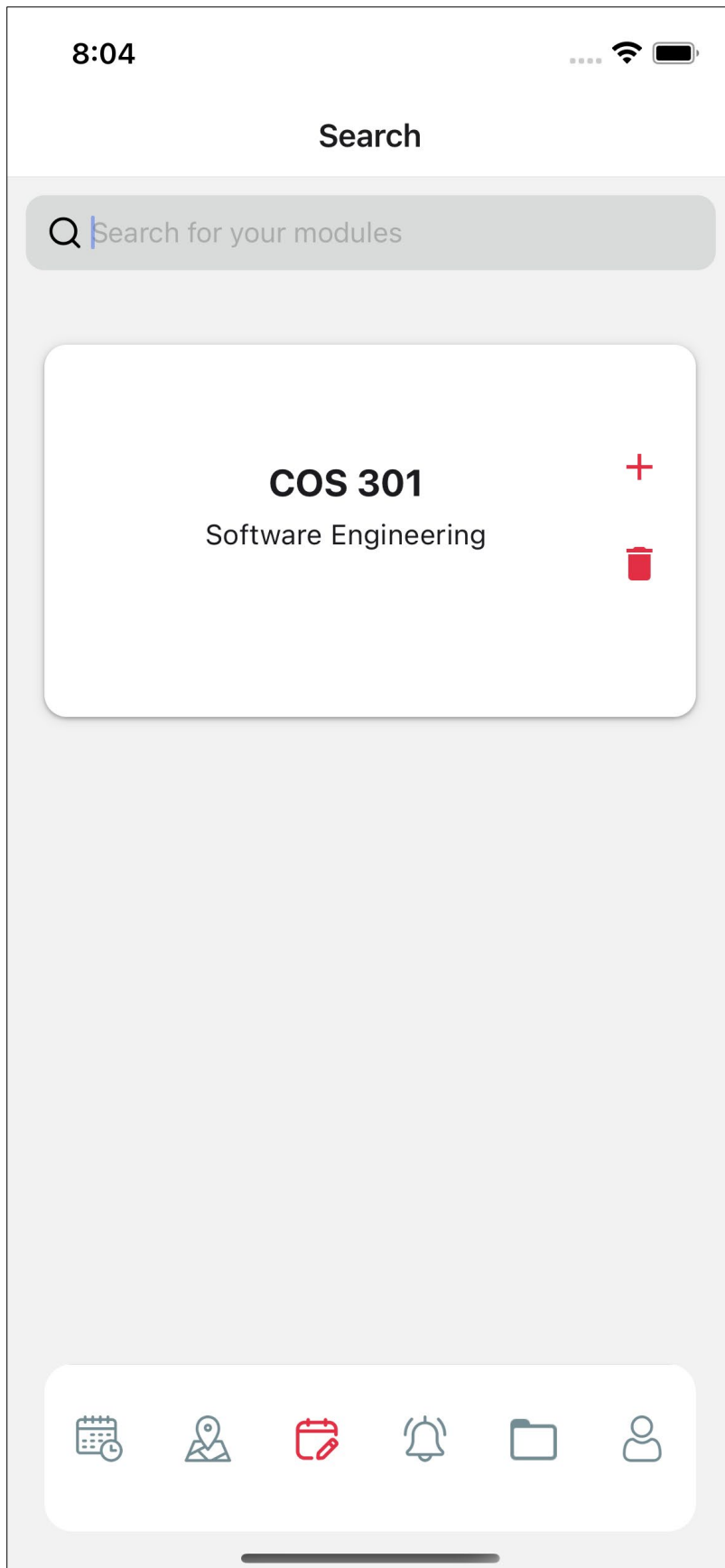
1.2.2 Timetable generation

After successful login, the user will be taken to the timetable page, which will be empty until they add modules and activities to the timetable. They can do so by taking the following steps:

Step 1: In the edit timetable page (selected on the bottom nav bar), the user can search for the module that they wish to add to the timetable.



By selecting the module of choice, it will be listed in the students list of modules which is displayed in the edit timetable page from now on, as shown below.



Step 2: By tapping on the module's plus icon, the student will be presented with menus of the module's activities (which comprises of lectures, tutorials and practicals). They may also tap the delete icon to remove the module from their timetable (and edit timetable page).

Step3: Select your desired timeslot for each activity (any clash will be highlighted to help the user make the right timeslot choices) and save your changes for them to be added to the timetable.

8:05

...

📶

🔋

Search

🔍 Search for your modules

COS 301

Software Engineering

Lecture 1

📅 Select time

▼

Lecture 2

📅 Select time

▼

✓ Save

📅

📍

📅

🔔

📁

👤

8:05

...

📶

🔋

Search

🔍 Search for your modules

COS 301

Software Engineering

Lecture 1

📅 ...

▼

Monday: 11:30-12:20 (IT 2-27)

✓ Save

📅

📍

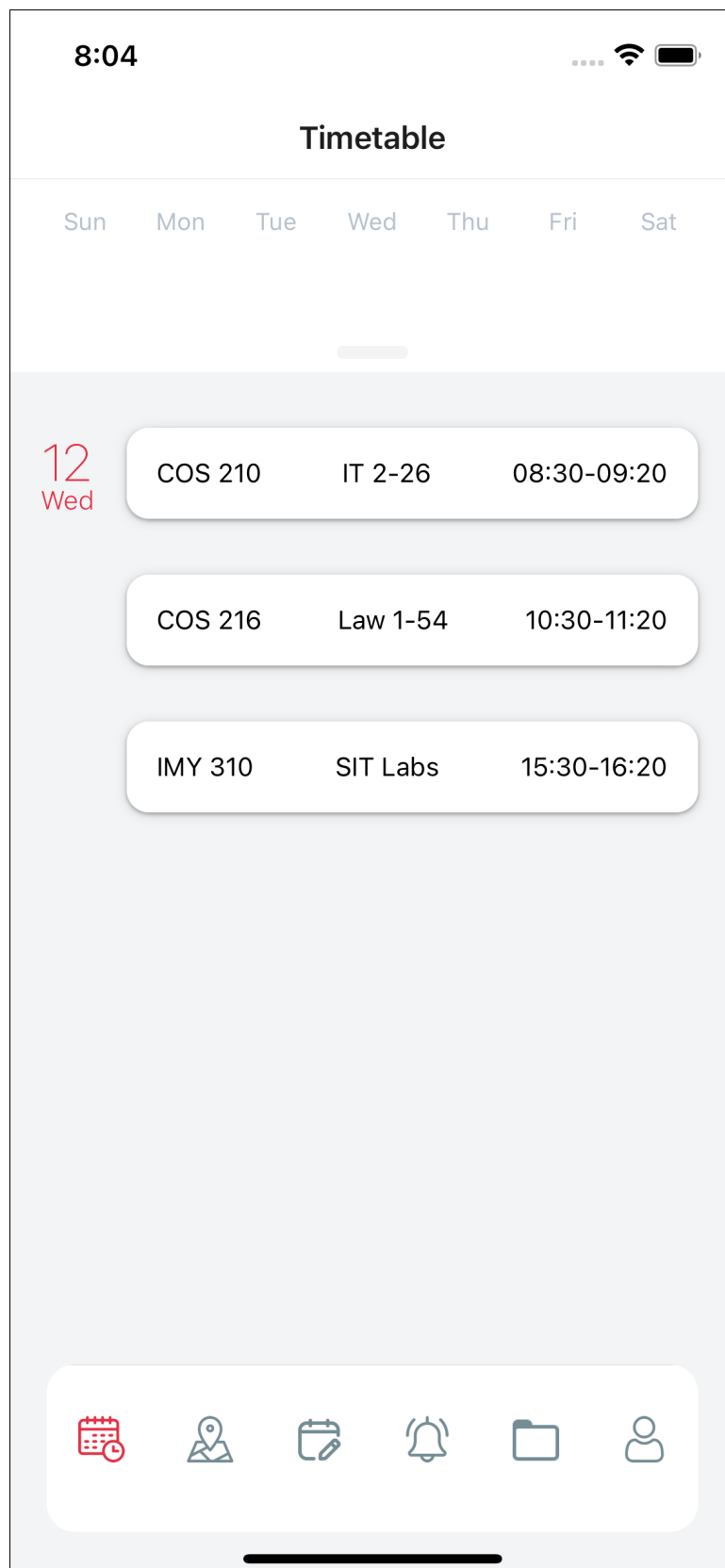
📅

🔔

📁

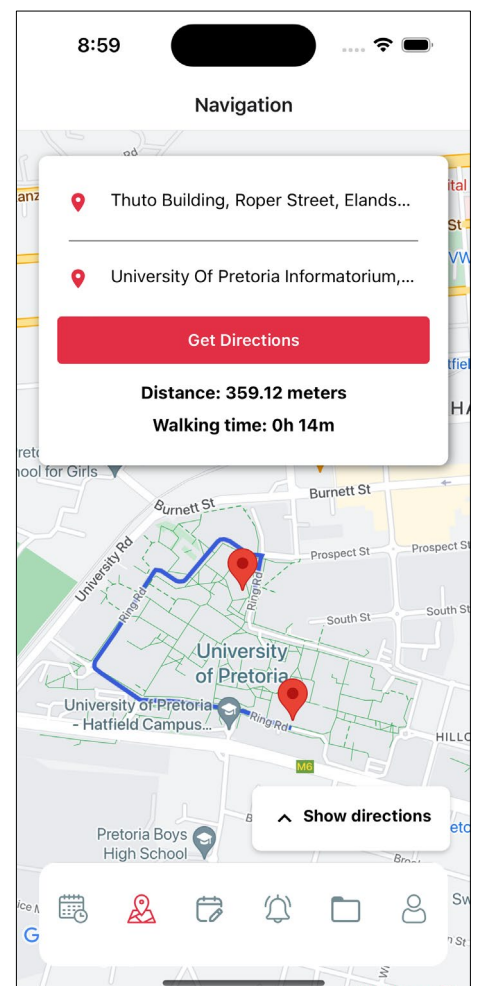
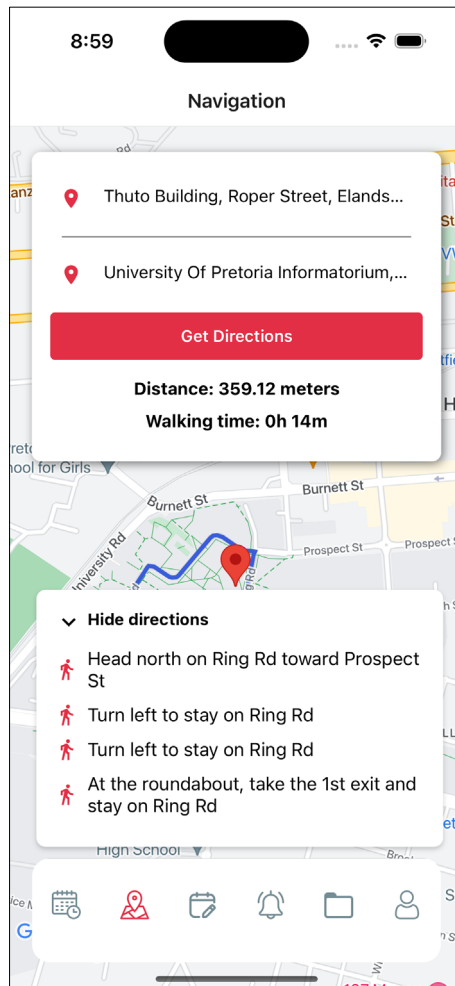
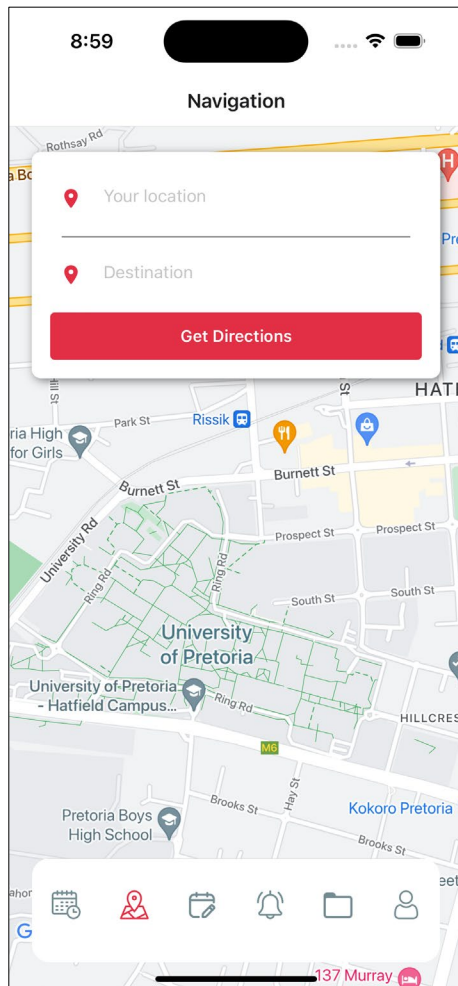
👤

Here is an example of what a students populated timetable page will look like for the day, showing their activities with information such as subject, time and venue. They can also swipe down to see a calendar view to select dates and see their activities for days further in future.



1.2.3 Navigation

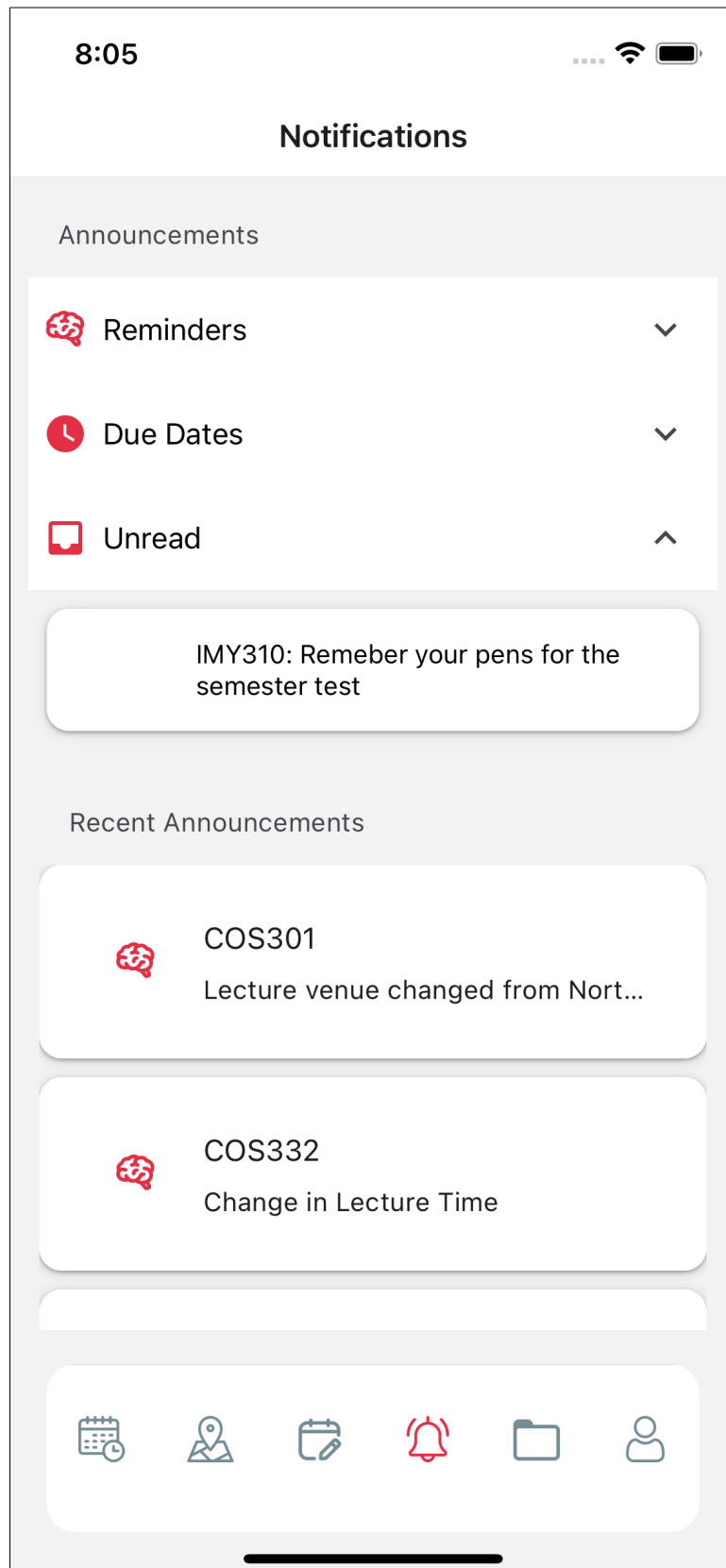
A student can enter the navigation page from the nav bar, and type in their origin (current building location), destination (lecture venue of interest) and click the “Get Directions” button to be shown step by step directions to the venue that they are looking for.



After clicking “Get Directions” the user will be shown the route on the map along with the list of step-by-step directions, as shown in the middle screenshot. The user has the options to “hide directions” which will close this list, and should they wish to see them again they can click the “show directions” button in the bottom right corner, as shown in the screenshot on the right.

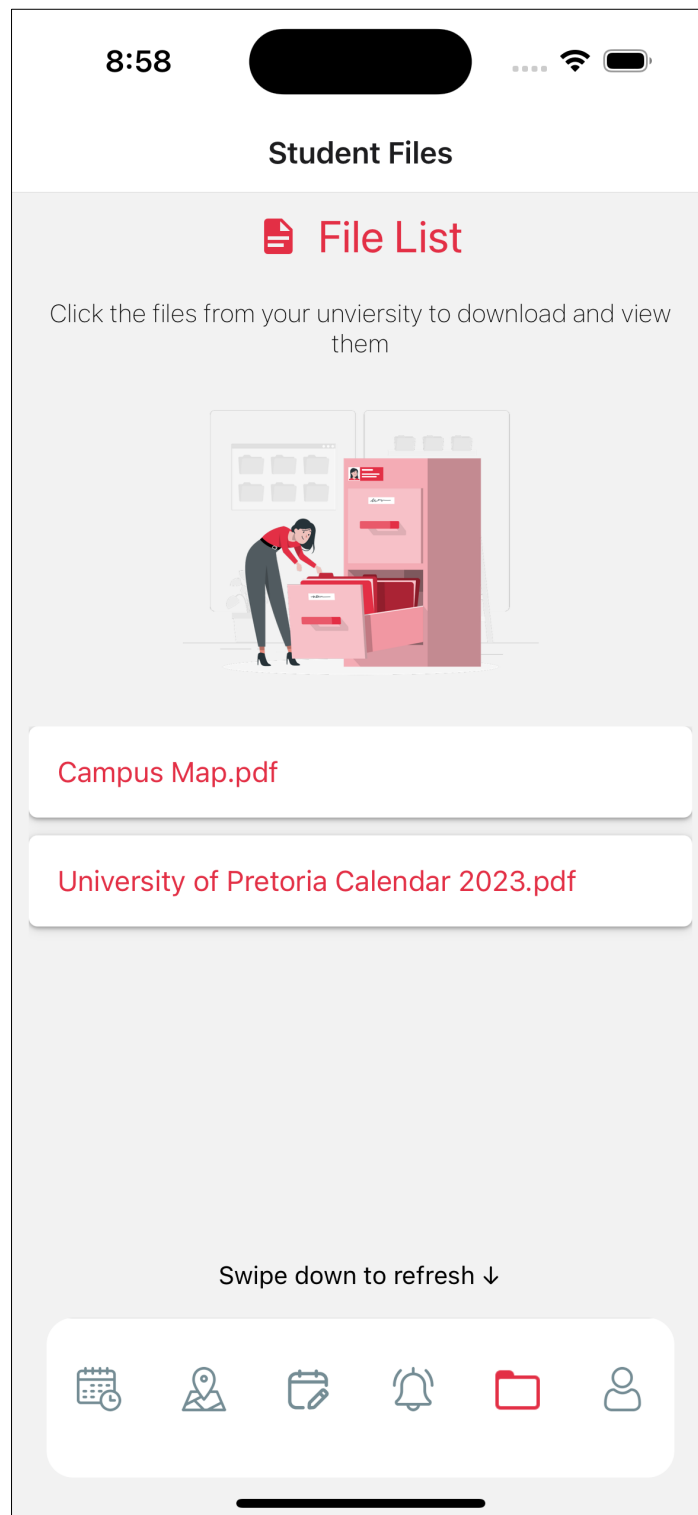
1.2.4 Notifications

A student can navigate to their notifications page to see recent announcements from lecturers of their prescribed modules, which includes important reminders, due dates, and important test information.



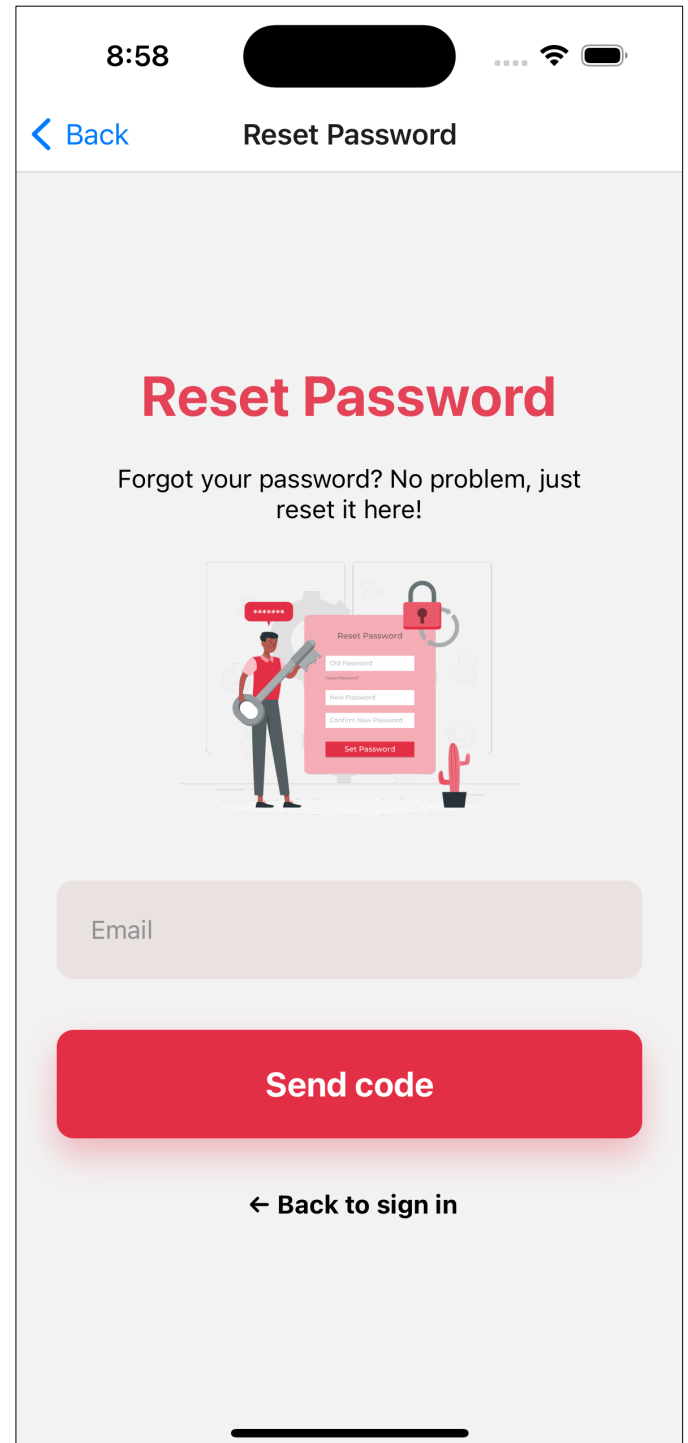
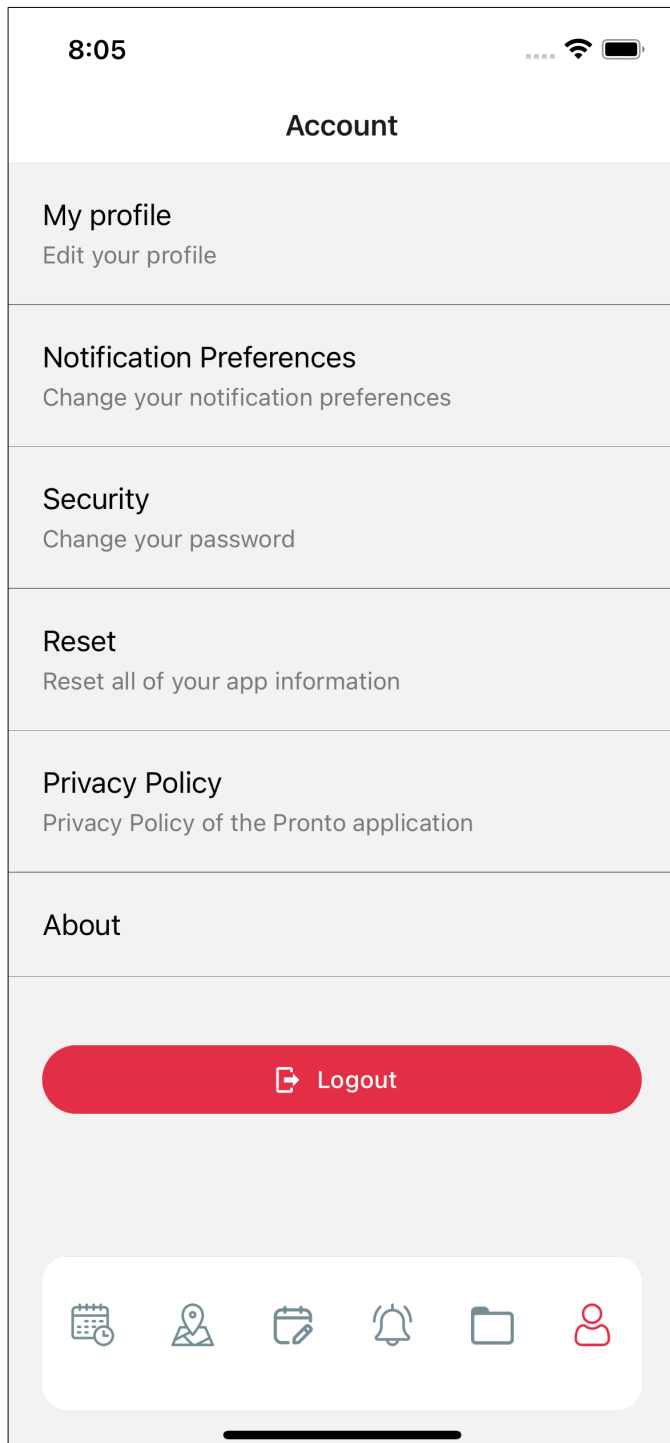
1.2.5 View Institution Files

The student can navigate to the student files page, where they will be shown all the important files that have been uploaded by an institution, regarding important information such as campus maps and yearly calendars. The student can select whichever file they want which will take them to the browser, where the file can be downloaded.



1.2.6 Account page

A student can view and make important decisions about their account, such as changing their password, reset (delete account), edit notification preferences and more. They can also log out of their account from this page.



1.2.7 Edit Notification Preferences


After selecting “Notification Preferences” in the Account page, the user can select their preferred method of notification receipt (in this screenshot, SMS has been selected), and save the option, as shown below.

9:11

Notification Preferences

Notification Preferences

This is how you will receive notifications from your lecturer



Select your preferred way of receiving notifications:

Email

SMS

Push Notifications

Save ✓

2. Pronto Web application for lecturer use

2.1 Requirements

- Stable internet connection
- Access to a supported browser such as Chrome, Firefox, or Edge

2.2 Use

2.2.1 Lecturer login/signup

After choosing the lecturer account option on the Pronto website, they will be redirected to the lecturer login page. A Lecturer with a registered account may login with their institution email address.

The screenshot shows a split-page interface. The left side is white and contains the 'Lecturer Login' section. It features the Pronto logo (a calendar icon with a pencil) and the word 'PRONTO' in red. Below the logo, the text 'Lecturer Login' is centered. There are two input fields: 'Email' and 'Password'. Below these fields is a red 'SIGN IN' button. A link 'Forgot your password?' is located below the button. The right side of the page has a solid red background and contains the 'No Account?' section. It includes the text 'Click here to verify a lecturer account' and a white 'SIGN UP' button.

To create an account, click the sign-up button on the right and enter the prompted information (shown below). Lecturer accounts can only be created after being verified with the institutions database of lecturer email addresses, and much like student accounts they will be sent a verification code to complete their account creation.

The screenshot shows a split-page interface. The left side has a solid red background and contains the 'Have an account?' section. It includes the text 'Please sign in to access all of Pronto's features' and a white 'SIGN IN' button. The right side is white and contains the 'Create Lecturer Account' section. It features five input fields: 'Name', 'Surname', 'Email', 'Password', and 'Confirm Password'. Below these fields is a red 'SIGN UP' button.

Should a lecturer forget their password, they may go through the reset password process by clicking on the forgot password link in the sign in section.

After successful login, the lecturer will be taken to their homepage which is in the “Edit Module Information” tab on the nav bar, listing the modules they are responsible for, and from which they can take further action.

2.2.2 Edit Module Information

Step 1: Select the module you would wish to make additions to:

The screenshot shows a web interface for a lecturer's dashboard. On the left is a sidebar with the University of Pretoria logo, the name 'Stefan Gruner', and three menu items: 'Edit Module Information', 'Recent Announcements', and 'Edit Personal Information'. At the bottom of the sidebar is a red 'Log Out' button. The main content area is titled 'Modules' and contains two rounded rectangular buttons: 'COS341- Compiler Construction' and 'COS132- Imperative Programming'.

Step 2: Click on the update of choice (posting an important reminder, due assignment, or adding/deleting lecture venues) and a dropdown menu will appear, fill in the valid information and make a post for subscribed students to receive.

This screenshot shows the same dashboard as before, but the 'COS341- Compiler Construction' button has been selected. The main content area now displays a dropdown menu with four options: 'Post reminder', 'Post due assignment', 'Add lecture venue', and 'Remove lecture venue'. The 'Post reminder' option is currently expanded, revealing a form with three input fields: 'Title:', 'Body:', and 'Date:'. The 'Date:' field includes a date picker icon. A red 'Post' button is located at the bottom of the expanded form.

To add a Lecture venue, type in the building name in the “Venue” field and suggested locations for the venue from google API will appear. The lecturer can confirm that the coordinates on the map are correct and add the venue to the module.

Post reminder

Post due assignment

Add lecture venue

Venue:

For development purposes only

UP University Road Entrance

University of Pretoria Hatfield Campus

University of Pretoria South Campus

Google

Add venue

Remove lecture venue

The Lecturer can also remove venues by simply clicking the “Remove lecture venue” dropdown and delete icon, in case of venues changing mid-way through the semester, or any other issues with the originally uploaded venue that may need to be changed.

COS341- Compiler Construction

Post reminder

Post due assignment

Add lecture venue

Remove lecture venue

IT 4-4

2.2.3 View Recent Announcements

The lecturer can navigate to this page to see a list of all the announcements they have recently posted (in chronological order) with information such as the subject, date posted and post content.

The screenshot shows a user interface for a lecturer. On the left is a sidebar with the University of Pretoria logo, the name 'Stefan Gruner', and three menu items: 'Edit Module Information', 'Recent Announcements' (which is highlighted), and 'Edit Personal Information'. At the bottom of the sidebar is a red 'Log Out' button. The main content area is titled 'Recent Announcements' and displays two announcement cards. The first card is for 'COSI32' dated '22/05/2023' and contains the text 'No class from Thursday 1 June' followed by a note about the syllabus completion. It has a red 'OPTIONS' button with a dropdown arrow. The second card is for 'COS341' dated '20/05/2023' and contains the text 'Date of final exam' followed by a note about the exam date and duration. It also has a red 'OPTIONS' button. A 'Delete' button is visible in a tooltip next to the first card's options button.

If there are any issues with an announcement, the lecturer may simply click options button and delete the post.

2.2.4 Edit Personal Information

Information such as the Lecturer's name (for example, in the case of a surname change) and email address can only be changed via Institutional Admins updating them in the lecturer database, and thus can only be done through contact with an admin. A lecturer can however change their password from this page, by clicking on the dropdown and following the prompts to update it.

The screenshot shows the 'Personal Information' page for the same user. The sidebar is identical to the previous page. The main content area is titled 'Personal Information' and displays a form with the following fields: 'Name:' (Stefan Gruner), 'Role:' (Lecturer), and 'Email address:' (Stefan.Gruner@up.ac.za). Below these fields is a 'Change Password' section with three input fields: 'Old password:', 'New password:', and 'Confirm password:'. At the bottom of this section is a red 'Update' button.

Although it needn't be pointed out, the lecturer can logout at any time from the nav bar.

3. Pronto Web application for Institutional admin use

3.1 Requirements

- Stable internet connection
- Access to a supported browser such as Chrome, Firefox or Edge

3.2 Use

3.2.1 Login/Signup

Much like the lecturer login and sign up, an Institution admin may simply sign into their registered account, or they can apply to create an institutional account.

3.2.2 Lecturer Addition

An Institutional admin may add lecturers to their database, with information such as the lecturer's name, email address and courses that they are responsible for. The table of lecturers will be displayed in the table at the bottom of the page. The steps to add a lecturer to the institutions database are:

Step 1: Enter the lecturers name, surname, and email address in their respective fields.

The screenshot displays the 'Add a lecturer' web application interface. On the left is a sidebar with the University of Pretoria logo and navigation links: Dashboard, Upload Schedule, Upload Student Files, Add/Remove Lecturer, and Edit University Info. At the bottom of the sidebar is a red 'Log Out' button. The main content area is titled 'Add a lecturer' and contains a form with the following fields: 'First Name' (containing 'Liam'), 'Last Name' (containing 'Burgess'), 'Email address' (containing 'LiamB@up.ac.za'), and 'Courses'. There is a red 'View' button next to the 'Courses' field and a large red 'Add' button at the bottom of the form. Below the form is a section titled 'Lecturers' which includes a search bar with the placeholder 'Search for a lecturer', a search icon, and a 'Filter by' dropdown. Below the search bar is a table with the following headers: 'First Name', 'Last Name', 'Email', 'Courses', and 'Remove'.

Step 2: Beneath the courses label, click the “View” button to add and view the courses that the lecturer being added is responsible for. This will bring the following pop-up page:

The screenshot shows the 'Add a lecturer' form with a pop-up menu. The form has fields for 'First Name' (Liam) and 'Last Name' (Burgess). The pop-up menu has two sections: 'Existing Courses' and 'New Courses'. The 'Existing Courses' section shows a table with columns 'Course Code' and 'Course Name', containing one entry: 'COS301' and 'Software Engineering' with a 'Remove' button. The 'New Courses' section has input fields for 'Course Code' (COS221) and 'Course Name' (Database systems), with an 'Add' button. A 'Done' button is at the bottom right of the pop-up.

As you can see, the module “Software Engineering” with the course code “COS301” has already been added, and this can be removed by simply clicking the remove button next to it. The course code “COS221” with course name “Database systems” has been filled in and will be added to the lecturer’s list of courses by clicking the add button. Once all of the Lecturer’s respective modules have been added, the admin can click “done” to take them out of the pop-up menu.

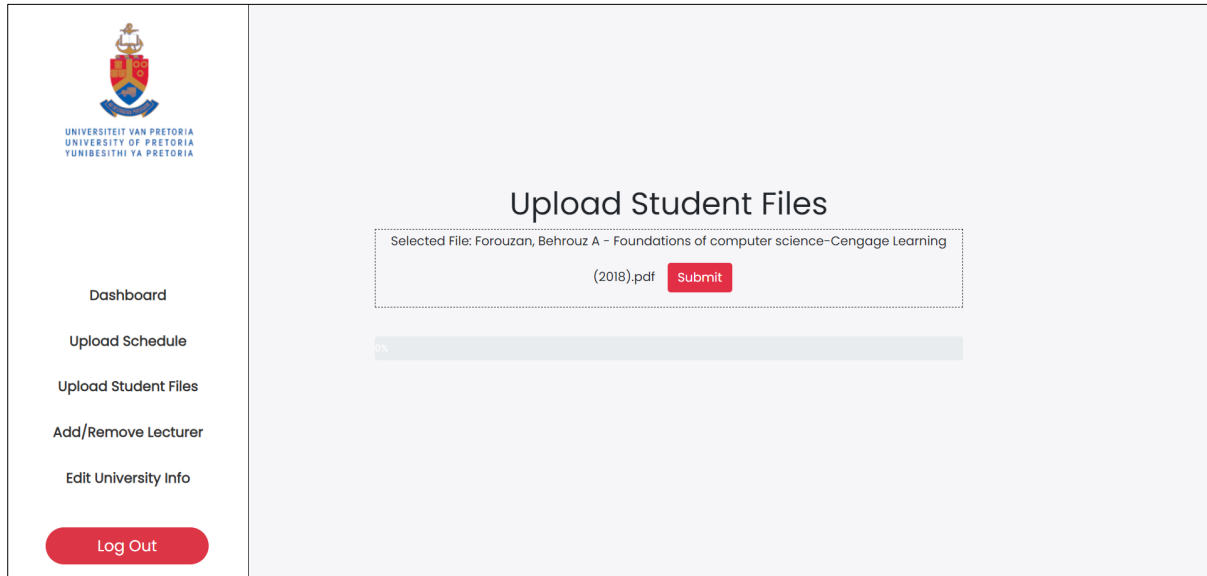
Step 3: To add the lecturer with all input information into the database, click the big “add” button.

The admin can search for and remove lecturers from the table by using the search bar, and can filter the search by first name, last name or email as shown below:

The screenshot shows the 'Add a lecturer' form and the 'Lecturers' table. The form has fields for 'First Name' (John), 'Last Name' (Doe), 'Email address' (john.doe@up.ac.za), and 'Courses' (with a 'View' button). A large red 'Add' button is at the bottom. The 'Lecturers' table has a search bar and a filter dropdown menu. The filter menu is open, showing options: 'Filter by', 'First Name', 'Last Name', and 'Email'. The table has columns: 'First Name', 'Last Name', 'Email', 'Courses', and 'Remove'.

3.2.3 Upload Student Files and Schedules

The admin can navigate to the “Upload schedule” or “Upload files” page, depending on what needs to be uploaded, the method is the same. They can click on the “drag and drop” box or simply drag and drop the file they wish to upload. They can then click the “Submit” button to begin the upload process.



The screenshot shows the 'Upload Student Files' page. On the left is a sidebar with the University of Pretoria logo and navigation links: Dashboard, Upload Schedule, Upload Student Files, Add/Remove Lecturer, Edit University Info, and a Log Out button. The main content area is titled 'Upload Student Files' and contains a dashed box for file selection. Inside this box, it says 'Selected File: Forouzan, Behrouz A - Foundations of computer science-Cengage Learning (2018).pdf' and has a red 'Submit' button. Below the dashed box is a light blue progress bar.

The progress bar below the box will show the percentage(progress) of the file upload as it is carried out, and a success or error message will indicate the status of the upload when it is complete.

The admin can access all required pages from the “Dashboard” page and view the institutions account information as well as change the account’s password in the “Edit University Info” page. Once again, the admin may log out at any time from the nav bar on the left.