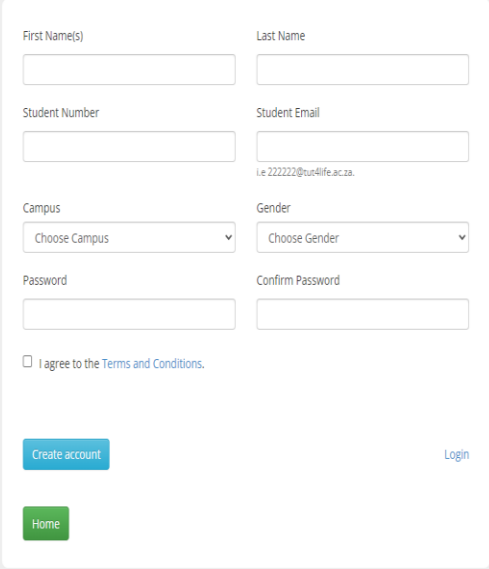# THE BUS BOOKING SYSTEM

TABLE OF CONTENTS

INTRODUCTION

This is a technological Bus Booking System that is aimed at resolving the current situation of overloaded TUT's Buses. It provides its aid by allowing the STUDENT the courtesy to book a Bus seat in advanced to his / her desired departure time and then it gives the ADMIN the total number of reservations made in a day for a particular campus. In the following pages are detailed instructions or explanations of how to mauver swiftly through the entire system in the process of acquiring its services.
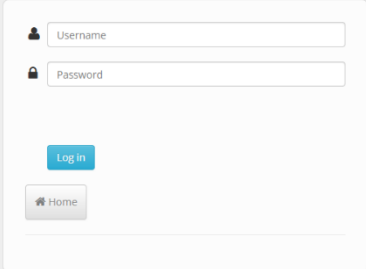
Student Sign In and Sign Up

On the Default page there is Sign Up button that allows the Student to create an account by providing relevant information that will be stored in the database for processing and will be used for cross verification in future log In purposes.

Create Student Account

First Name(s)

Last Name

Student Number

Student Email

i.e 222222@tut4life.ac.za.

Campus

Choose Campus

Gender

Choose Gender

Password

Confirm Password

☐ I agree to the Terms and Conditions.

Create account   Login

Home

After the Student has filled in everything as required, the check box on the Terms and Conditions must be ticked and the create account button must be clicked as well, then it will automatically transfer the Student to the Sign In page. On the Sign In page the student is required to provide their student number as the Username and a Password (Both these should be the exactly the same as the ones entered during the Sign Up process).

Student SignIn

👤 Username

🔒 Password

Log in

🏠 Home

Create new Student account ⊕

Student Portal

After the Student has successfully logged in, they will be transferred to the Student portal that compromises of four main features.

1. **View Profile Button**

   This displays the logged in Student's Name and Surname, Student number, email address, Campus and Gender.

2. **Update Profile**

   This allows the Student to be able to update their information and even change their current password by entering all the changes in the relevant spaces and clicking update button to finish off the process.

Update Account

First Name(s)

Elizabeth

Last Name

Phakane

Student Number

218491740

Student Email

218491740@tut4life.ac.za

i.e 222222@tut4life.ac.za.

Campus

Choose Campus

Gender

Choose Gender

Password

Confirm Password

☐ I agree to the Terms and Conditions.

Update account

Home

3. **Reserve Bus Seat**
   Here the Student makes a reservation by selecting the current departure Campus, destination and the departure time, and then clicking the Book Reservation button to complete the reservation.

Book bus reservation

First Name(s)

Elizabeth

Last Name

Phakane

Student Number

218491740

Student Email

218491740@tut4life.ac.za

From

Destination

Time

Book reservation

Home   View Reservation

4. **View Booking**
   This displays the number of trips made in a day and allows the Student to cancel a trip at any given time.

View Reservations

Trip#	Trip	Time	Date of booking the trip	
11	Sosha South Campus To Sosha North Campus	08:00:00	21/11/2021	Cancel trip
12	Sosha North Campus To Arcadia Campus	09:00:00	21/11/2021	Cancel trip
13	Arcadia Campus To Pretoria Campus	12:00:00	21/11/2021	Cancel trip
14	Pretoria Campus To Sosha North Campus	14:00:00	21/11/2021	Cancel trip

The Number of Trips
you have today is : 4

Home   Add Trips

Admin Sign In

On the default page there is a Admin Sign In button that allows the Admin access to the system by entering a staff number as username and a password.

Admin SignIn

Username

Password

Log in

⌂ Home

Admin Portal

After the successful login, the admin is transferred to the Admin Portal that compromises of four main features

Hi Luke   View Profile   Update Profile   Add Admin   View Bus Reservations   logout
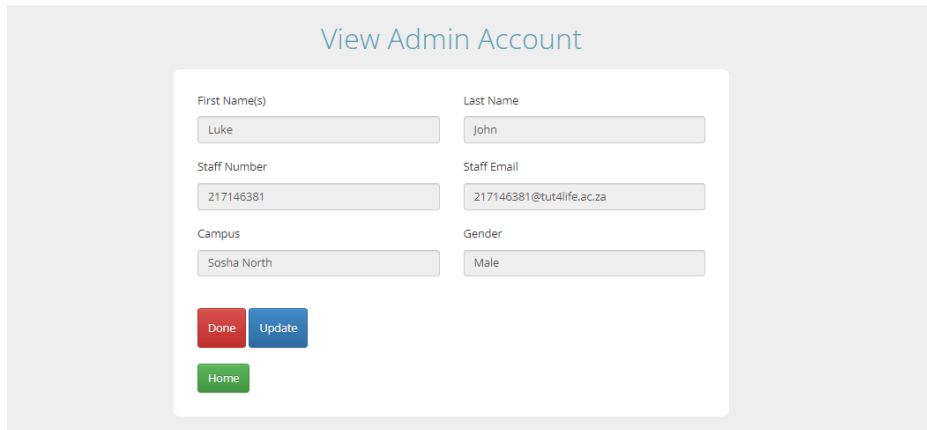
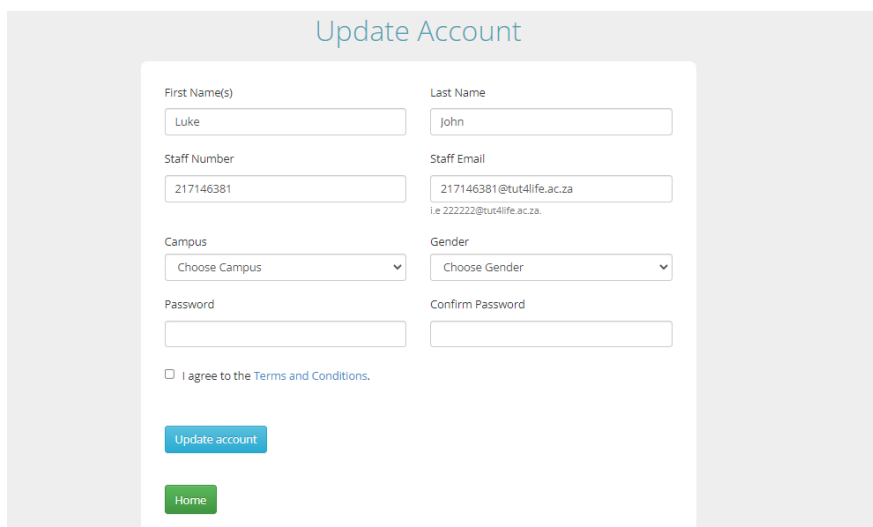Tshwane University of Technology

We empower people

1. **View Profile**
   This displays the logged in Admin's Name and Surname, Staff number, email address, Campus and Gender.

2. **Update Profile**
   This allows the admin to be able to update their information and even change their current password by entering all the changes in the relevant spaces and clicking update button to finish off the process.

3. **Add Admin**
   This allows the logged in Admin to add another Admin into the system and create an account for him / her. This process is done by providing all the necessary information needed.

Create Bus Admin Account

First Name(s)

Last Name

Staff Number

Staff Email

example@tut4life.ac.za.

Campus

Choose Campus ▾

○ Male   ○ Female

Password

Confirm Password

☐ I agree to the Terms and Conditions.

Create account

Home

4. **View Bus Reservations**

Here the Admin can see the total number of reservations made each day for a particular campus. This also shows the time scheduled for each trip.

View Student Bookings

Trip	Time	Date of booking the trip	Total Number of students
Sosha South Campus To Sosha North Campus	08:00:00	21/11/2021	1
Sosha North Campus To Arcadia Campus	09:00:00	21/11/2021	1
Arcadia Campus To Pretoria Campus	12:00:00	21/11/2021	1
Pretoria Campus To Sosha North Campus	14:00:00	21/11/2021	1

Home

Summary

The Bus Booking System has two main users, the Student and the Admin. The function it provides to the student is the allowance of making a Seat Reservation from the current located campus to the designated destination. It also provides the admin the total number of reservations made for a particular campus on a particular day.