

# BUS Booking System



Tshwane University  
of Technology  
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# User Manual

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## Introduction

Bus Booking is a digital system aimed to solve the overloading problem faced in TUT's buses. The system will enable the "Bus Admin" and "TUT registered students" to book a seat in the bus, this will the bus admin to view the total number of students who will go to a specific campus at a given time and allocate buses accordingly

This Manual will show you some key steps to take note of as you use the system at a given time



TUT BUS BOOKING

### Book Your Seat

Is a digital platform aimed to adhere to Covid-19 in the bus transportation in TUT.

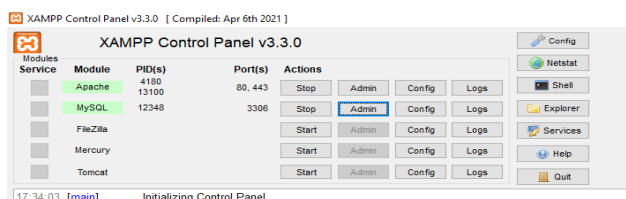


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# Installations

1. Xamp
2. Sublime text or Atom or Visual Studio Code editor

Xamp is a server that runs on your machine only and it acts as a “Output” for all the websites you created, and they will only run on your local machine. After installing Xamp click on the Icon, a pop up will appear and ensure you start the first 2 options, i.e. APACHE and MYSQL:



You can now move the project to htdocs folder under Xamp folder, After that step you can run the project.

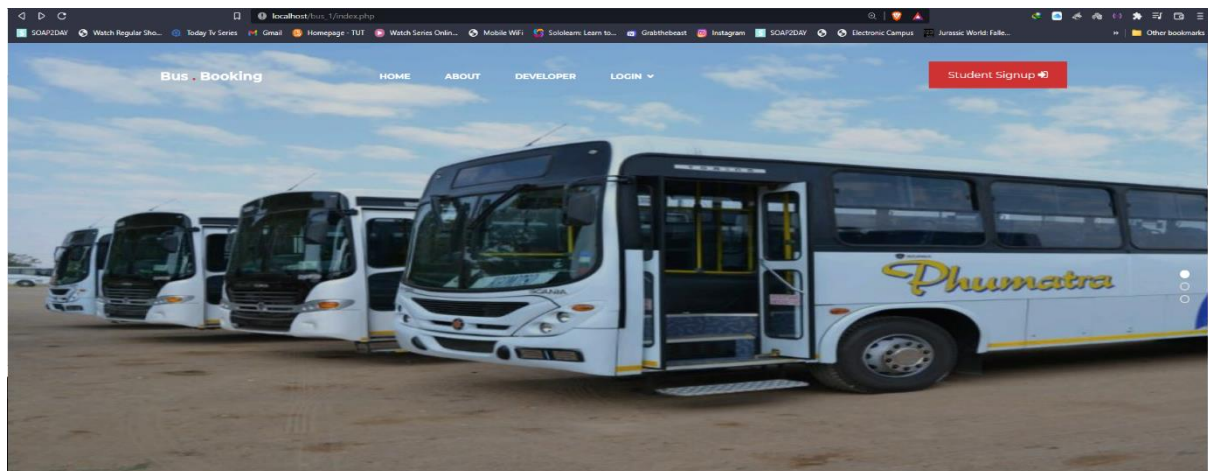
## Code editors

- 1 Sublime Text
- 2 Atom
- 3 Visual Studio code

Code editors are mainly used as a platform to write code and you can utilize them to write code for your website and so forth, you can install any of the listed above.

## Create Student Account And Sign in

Type “localhost/bus\_1/index.php”, to open the main page of the website



Click on the red button “Student Signup”, a new page will appear fill the form accordingly then press Submit at the bottom to save your information

**Create Student Account.**

---

|   |   |
|---|---|
| First Name(s)<br><input type="text" value="First Name(s)"/>                                   | Last Name<br><input type="text" value="Last name"/>           |
| Student email<br><input type="text" value="Email"/><br><small>example@tut4life.ac.za.</small> | Student Number<br><input type="text" value="Student Number"/> |
| Campus<br><input type="text" value="Choose Campus"/>  | Faculty<br><input type="text" value="Choose Faculty"/>        |
| Password<br><input type="text" value="Password"/>   |   |
| Confirm Password<br><input type="text" value="Confirm Password"/>                             |   |
| Gender<br><input type="radio"/> Male<br><input type="radio"/> Female                          |   |

[Home](#)

As soon as you press submit, a new page for login will appear and input the student number you used to register and the password then press submit to access the student dashboard

**Student login.**

---

|   |   |
|---|---|
| Student Number<br><input type="text" value="Student Number"/> | Password<br><input type="text" value="Password"/> |
|---|---|

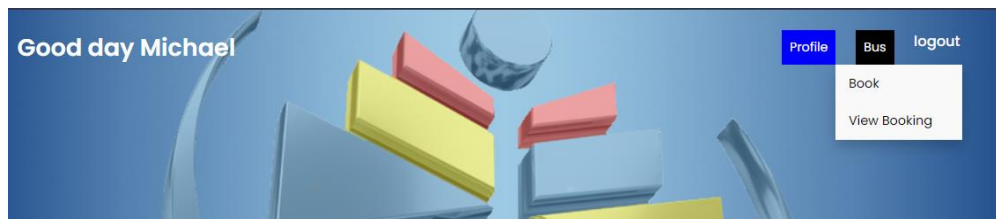
[Home](#)

## Student dashboard



1 Profile : student(s) can update or view profile

2 Bus :



Student(s) can book a trip , all that is required is Start Point and Destination plus the Time and they can place their booking

**Book a Trip** 🚌

Student Name  
Michael

Student Surname  
Dlamini

Student Number  
217146390

Student Email  
217146390@tut4life.ac.za

PickUp Point  
Choose start point

Drop off  
Choose destination

Time  
choose Time

[Place reservation](#) [Bookings](#) [Home](#)

They can view the number of trips they will have in a day and the time scheduled for those trips

### 🚌 Bookings

| Trip# | Trip                              | Time     | Date of booking the trip |                             |
|-------|-----------------------------------|----------|--------------------------|-----------------------------|
| 9     | Sosha South To Arcadia Campus     | 14:00:00 | Wed 17th Nov 2021        | <a href="#">Cancel trip</a> |
| 11    | Arcadia Campus To Pretoria Campus | 11:30:00 | Fri 19th Nov 2021        | <a href="#">Cancel trip</a> |
| 12    | Sosha South To Sosha North        | 13:00:00 | Fri 19th Nov 2021        | <a href="#">Cancel trip</a> |

Number of Trips : 3

## BUS Admin Sign in and Dashboard

On the Home page click on the Login page drop down list and choose “As Admin”



A login page will appear, and you can input the appropriate staff number in-order to gain access to the interface

A screenshot of the 'Bus Admin login.' page. It has a light gray background. At the top, it says 'Bus Admin login.' in bold. Below this, there are two input fields: 'Staff Number' with a placeholder 'Staff No' and 'Password' with a placeholder 'Password'. Below the input fields are two buttons: a red 'Submit' button and a blue 'Home' button with a house icon.

Take note, Admins can only add admins, meaning you can only register a new admin as soon as you login into the admin dashboard, this will ensure that only TUT appointed staff can access the system not students



### Admin Dashboard

1 Profile, you can update and view your profile

2 Add Admin, is used to appoint Bus Admins

3 View Bookings, is used to view the total number of students who will take a trip from a specific campus to another campus and the exact time

## Detailed Summary

After having followed the installation steps, open the website on your localhost, i.e. [http://localhost/bus\\_1/index.php](http://localhost/bus_1/index.php) , the default page of the website will appear, from there you can choose various things to do.

You can sign up as a student, and all the fields that will appear on the registration form are validated that means, if you enter a number where you need to put your name the form will show you the error while capturing the information you entered, so that you can fix the error without re-entering your information from the start.

When you login either as admin or student, you cannot access the dashboard without entering valid information.

### Student:

The student can update or view their profile and they can book a trip from their current location to their designated destination, and they cannot book a trip from the same location to the same location, furthermore buses have different time frames, i.e. some leave after 30 minutes and some leave after an hour the system can detect based on the entered time. Students can view their trips and time

### Admin:

Add can update or view their profile and add new admins if necessary.

They can view the total number of trips that will be made in a day from a specific campus to another location.