

“We are only as **strong** as we are **united**, as **weak** as we are **divided**.”

— J.K. Rowling

Requirements Document

Please adhere to the dates.

Draft and Prototype

Due date	Requirements	Skills Needed	Google Doc Link	Project Manager	Employees
	Prototype or 1Draft, Use-cases, Unit-tester	Architect	1. Click me!	Nicholas Mei	Everyone
	Prototype or 1Draft Business Rules, ERD	Conceptual Thinker	2. Click me!	Buyisile Nkwebana	Everyone
	Prototype or 1Draft, HTML, CSS, JavaScript	Designer	3. Click me!	Mfundo Bill	Everyone
	Prototype or 1Draft AJAX, JavaScript GOOGLE APP SCRIPT	Programmer	4. Click me!	Tlhogologo Mphahlele Luke	Everyone
	Prototype or 1Draft, PHP, MySql	Programmer	5. Click me!	Bongani Dube	Everyone

Final Submission

Due date	Requirements	Skills Needed	Google Doc Link	Project Manager	Employees
	Use-cases, Unit-tester FINAL	Architect	1. Click me!	Nicholas Mei	Everyone
	Business Rules, ERD FINAL	Conceptual Thinker	2. Click me!	Buyisile Nkwebana	Everyone
	HTML, CSS, JavaScript FINAL	Designer	3. Click me!	Mfundo Bill	Everyone
	AJAX, JavaScript GOOGLE APP SCRIPT FINAL	Programmer	4. Click me!	Tlhologelo Mphahlele Luke	Everyone
	PHP, MySql FINAL	Programmer	5. Click me!	Bongani Dube	Everyone

This is the application break down.

Please use university colours, it should be something simple but beautify and user friendly.

Create a web application for residential service transport. The application must accommodate both Students and staff members since they are using transport from one department. The application must allow booking and cancellations, send booking confirmation to student and staff. If the transport is fully booked it must send rejection message both staff and Student. The application must be flexible (allow admin to do changes in terms of time) since residential services use Students as their drivers and allows the admin to view bookings. Students and staff must receive a unique booking id. Lastly the must be able to keep the booking records.

There are **four Actors** in the system.

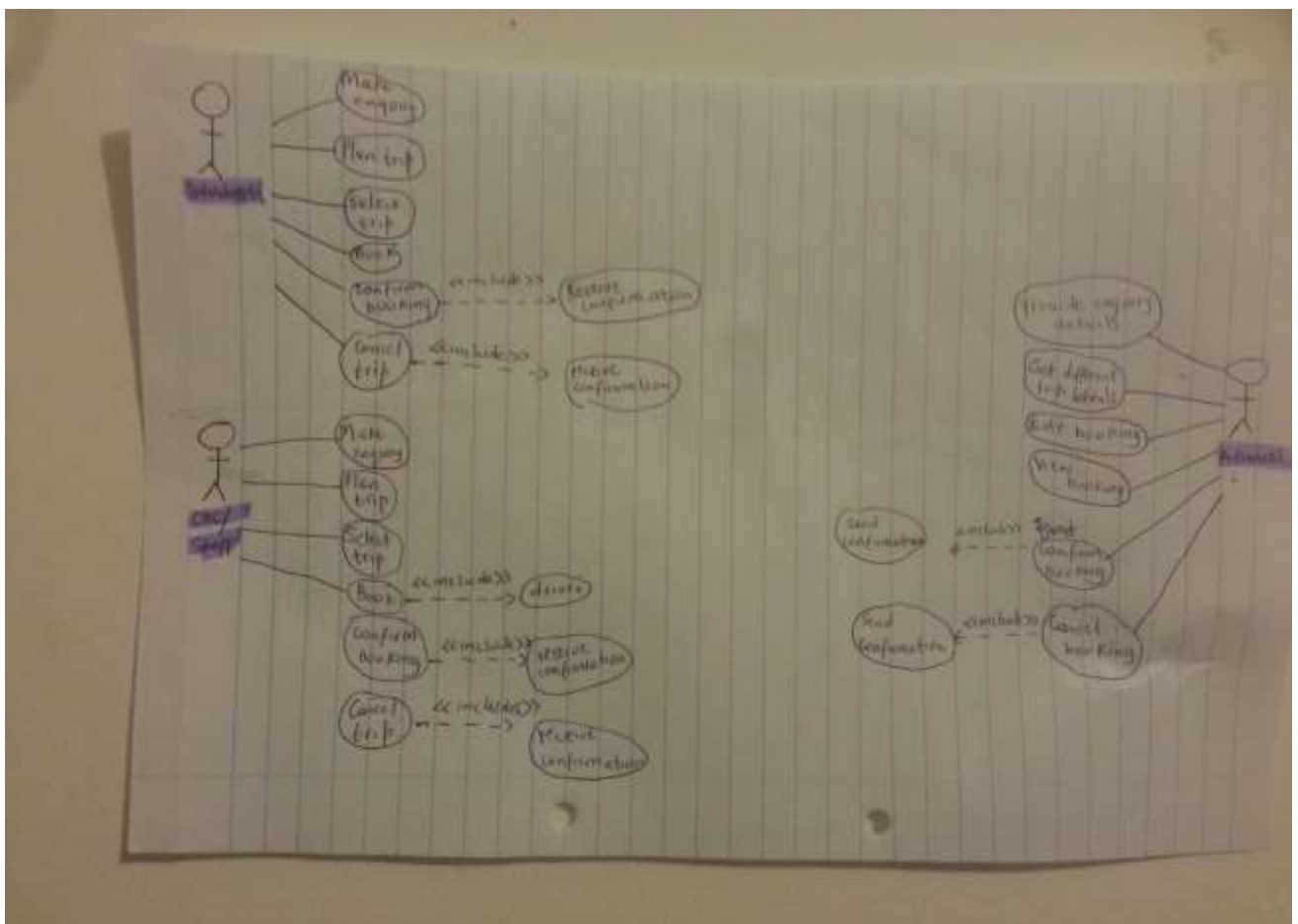
CHC STUDENT are the people voted by residence students they like SRC of residence so they have different privileges when they book for transport for example they can book a car with a driver to go to functions while normal residence students cannot.

NORMAL STUDENT, like me, can only book to transport their furniture from one UWC Residence to another and in emergency cases like hospital.

Stuff are the people working under residential and catering services (RCS) and they can book to drive a car so they don't need a driver if they have licence if not then they book like CHC members.

ADMIN: using google app script to view bookings and other system details from google drive.

HERE IS AN IMAGE OF THE DRAFTED USE-CASE:



Other Rules:

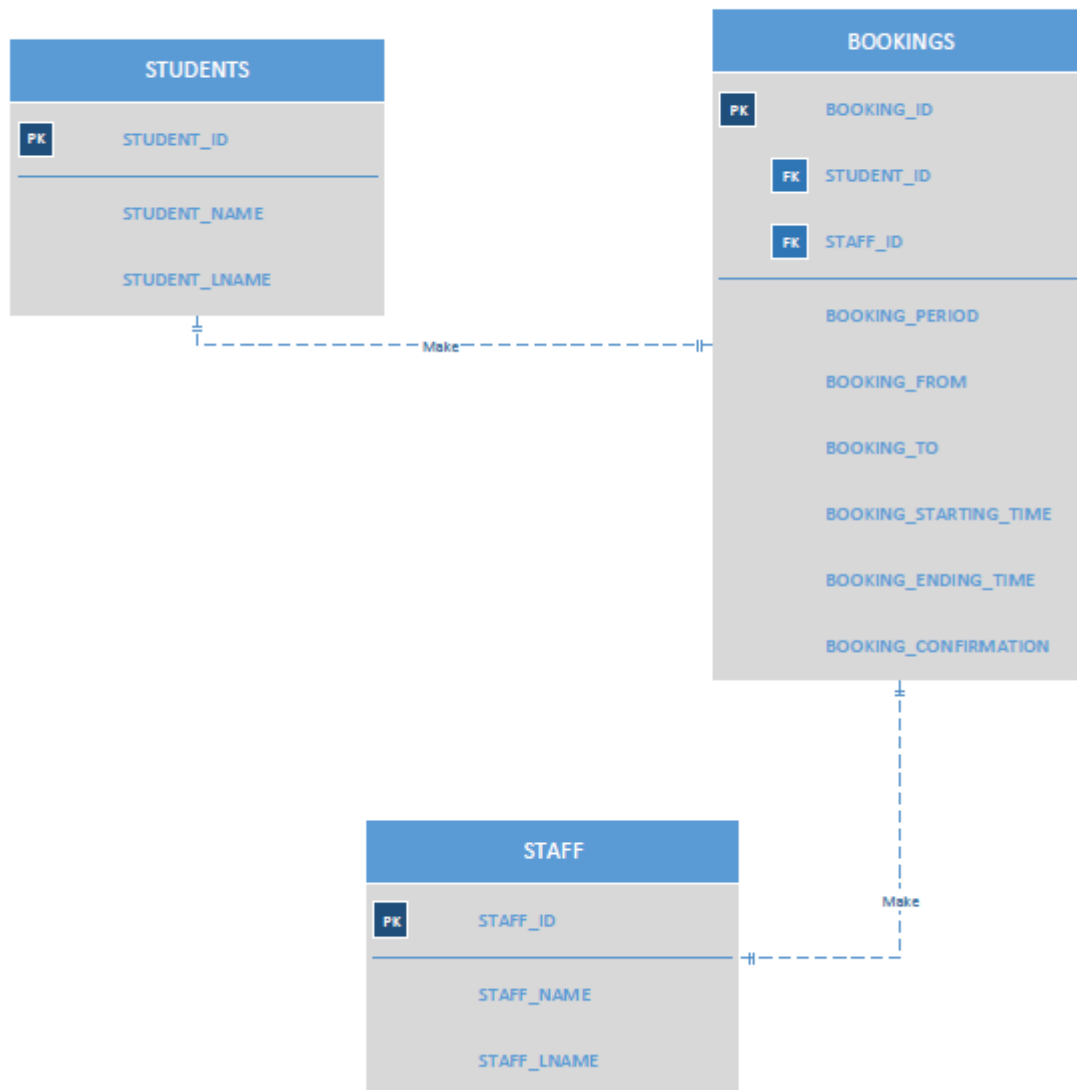
- 1) Student can only make one booking
- 2) Only Res students are allowed to make bookings.
- 3) Booking is from res to res "NOT PRIVATE ACCOMMODATION"
- 4) Also staff can only make one booking at a time.
- 6) Both staff and Students must confirm their bookings within 30 minutes.

Business Rules Draft:

1. 1 Res student can only make 1 booking.
2. 1 booking can be made by exactly 1 student.
3. 1 staff can only make 1 booking.

1 booking can be made by exactly 1 staff

ERDS FOR THE RES PROJECT



- Please gather all the Requirements needed for the completion of your Tasks with your Employees.

Software to be used:

- [Git Getting Started](#)
- Basic installation and setup.
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- [Git generating ssh key](#)

- [Git Contributing to a Project](#)
- How to work as a team.

- [MySQL](#) or [MongoDB \(DataBase\)](#) or [Microsoft sql server](#) ??
- Used for storing data.

- [JSON Tutorial - W3Schools](#)
- Used for transporting data. [Interoperable](#).

- [Google Apps Script - Google Developers](#)
- Send Email, Create Calendar Events, Admin database.

- [PHP 5 Tutorial - W3Schools](#)
- Used for server side coding.

- [CronJob](#)
- Used to schedule code execution at certain time intervals.

Website details

Website link: uwctransport.freeiz.com

To edit the website you will need FTP software, for example [FileZila](#).

Changes first have to be done on our [gitHub repository](#) once verified by the team you can transfer the changes online.

Use the details below to connect to the **website file directory**.

- IP Address/Host: **31.170.160.108**
- User name: **a7129817**
- Password: **uwctransport1235**

"Developing an application that doesn't **do anything** and is never going to **help anyone** is not going to make you great. Building something that you know has to **HELP people** WILL make you **GREAT**. At very least it will make you **LEARN something**."

Marc Plotz