

6/5/2021

# Ofentse Mapheto

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## Relationship Table:

Admin Class	Province(Location)	School(St George)	Student class
Username	Gauteng	Student	Name
Password	Free State	Province	Surname
Province	Eastern Cape	Admin	Password
Student			Email
Student Accounts			Cell number
Type of Learning			ID number
			Province
			Type Of Learning
			Student Account

## Relationship of classes Description

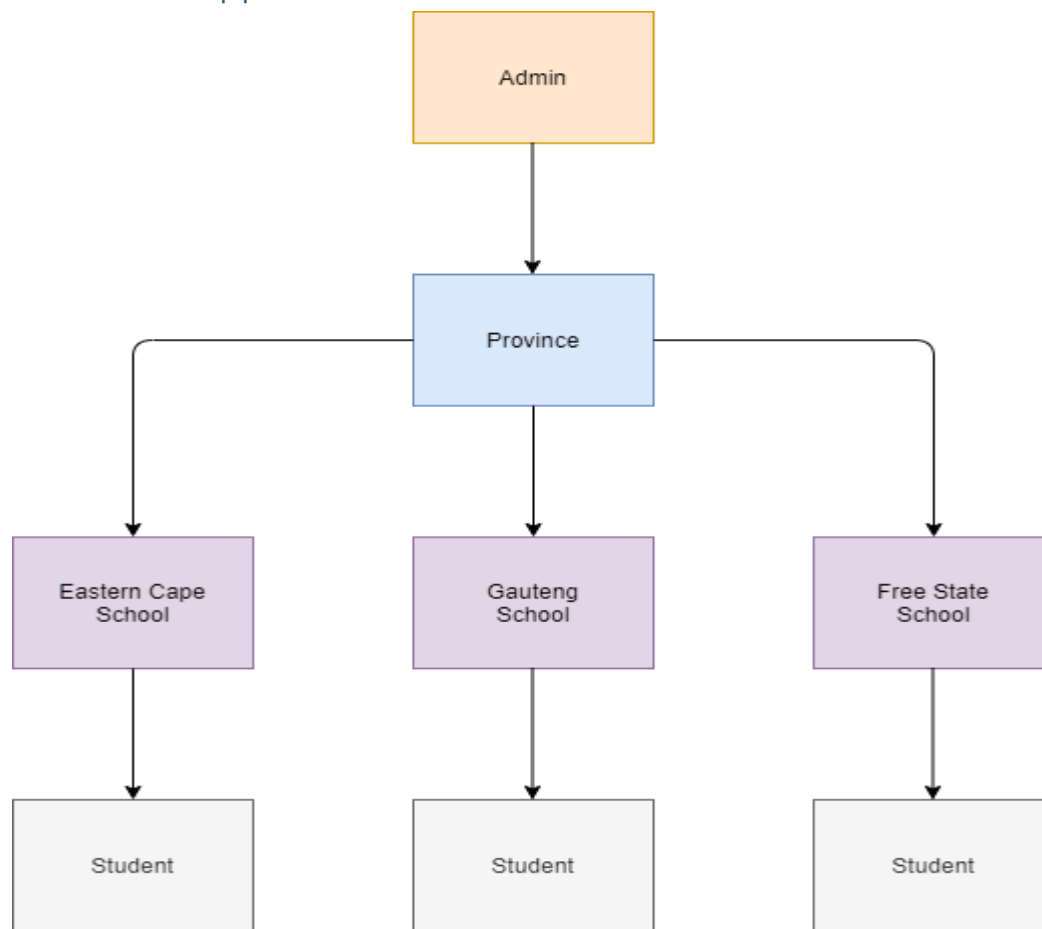
### Classes

1. **Admin class (Parent)** – Admin has control over student class and over sees the various details inside the student child class. Admin can directly contact students through their various student accounts. Admin can receive and respond to student requests to their online or face-to-face choice and review their motivational response.
2. **Province class (Parent)** – Province has relations with the student table. The following provinces: Gauteng, Free State along with Eastern Cape. All the student has to be grouped into these three provinces.
3. **School Class (Child to Province)** – Inside of the school table there are the following members: Student, Province along with admin. And their relationships are explained as follows. Each province's branch of the St. George school has every student account assigned to them, which could either be a student registered to the Gauteng, Free State or Eastern Cape. And with each School they have their own administration which oversees the student's account. Along with every component of the student class.
4. **Student Class (Child to Admin)** – Inside the student class there are the following members: StName, StSurname, StPassword, StEmail, StCellNumber, StIDnumber, StProvince, StTypeOfLearning, StAccount. The student class should contain all this relevant data along with the student class involuntarily giving this access over to administration so they can contact and send any school updates, and details of accounts in arrears etc.

### Class Member

1. **Province Class** – Gauteng, Free State, Eastern Cape.
2. **School Class** – Student, admin, Province.
3. **Student Class** – StName, StSurname, StPassword, StEmail, StCellNumber, StIDnumber, StProvince, StTypeOfLearning, StAccount.
4. **Admin** – Username, Province, Password, Student, student accounts, Type of Learning.

## Presumed Application:



## Admin Class:

**START**

**Display Log in**

**Print student name,**

**Get student name**

**Print student Surname,**

**Get student Surname**

**Print Student Email,**

**Get Student Email**

**Print Student Cell Phone Number,**

**Get Student Cell Phone Number**

**Print Student ID,**

**Get Student ID**

**Print Student Province**

```
Get Student Province
Display "Account detail please"
Get Account Details
Choose Online learning || face-to-face learning.
If (Online Learning)
Then,
{
Print "Please answer the following appliance question, to ensure you're a suitable
candidate"
Print Questions
Get Answers
//Answer appliance questions
} // to see if you qualify to carry on with learning style.
```

END

Else

{

Answer COVID screening questions} // to see if they can't spread the disease.

END //Student account is created, and email assigned.

Province Class:

Get student

Print Province

Display "1. Gauteng"

"2. Free State"

"3. Eastern Cape"

Get Province

## Student Class:

**START**

Get student name  
Get student Surname  
Get Student Email  
Get Student Cell Phone Number  
Get Student ID  
Get Student Province  
Get online || face-to-face  
Get admin response  
Get Student Account

**END**

## School Class:

**START**

Get student  
Get Admin  
Get Province

**END**

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