Data characteristics:

Firstly, the user is going to sign up with the following information:

* First Name
* Last Name
* Email (GIKI Email)
* Password

GIKI email is going to serve the purpose of primary key and will also be used as a login ID of the user. Moreover, our database is going to save the cities and their respective bus stop which is going to be in varchar data type. Furthermore, database is also going to store following details of drivers:

* Driver’s Full Name
* Driver’s contact number
* Car registration number

Database Schema:

There is going to be a table with the name of User which is going to store the first name (varchar), last name(varchar), GIKI email(varchar) and password(varchar). GIKI email will act as a primary key as it is going to be different for every GIKI student. Then, there is going to be another table BUS which will store the details of buses and there is going to be another table named DRIVER which will store Driver’s Full Name, Driver’s contact number and Car registration number.

Conclusion:

Transportation in GIK is a major issue and a completely unnecessary burden on students. We seek to address this problem through our mobile application which we have chosen to develop using Flutter and SQL lite will be used as a supporting database. The IDE used will be Visual Studio Code and Microsoft SQL Server Management Studio will be used to test the queries which we will use to manipulate or define data.