

Question 2:

Explain how the data could be queried and give an example using a technology of your choice.

Answer:

Using SQL, assumed that database is designed as the following

| PK - Primary Key FK - Foreign Key | | | | | |
|--------------------------------------|----|---------------------|----------------|----|----------------|
| Test_Report | | | Diff_Diagnosis | | |
| Type | | Field | Type | | Field |
| UUID | PK | id | UUID | PK | id |
| UUID | FK | patient_id | UUID | FK | test_report_id |
| UUID | FK | diff_diagnosis_id | String | | diagnosis |
| UUID | FK | student_num | | | |
| String | | resource_type | | | |
| String | | test_type | | | |
| Date Time | | test_date | | | |
| String | | identifier | | | |
| String | | confirmed_diagnosis | | | |

We can use the following Query to get test records from **test_report** table for **confirmedDiagnosis** equals to 'Gitelman"s syndrome'

Query Query History

```
1 SELECT *
2 FROM public.test_report
3 WHERE confirmed_diagnosis = 'Gitelman"s syndrome';
```

Architecture Diagram

