Figma link -

```
+-----------+-----------------+---------------------+
| HazardID  | Formula         | HazardLevel         |
+-----------+-----------------+---------------------+
| H01       | AgNO₃           | High (Corrosive)    |
| H01       | H₂SO₄           | High (Corrosive)    |
| H01       | HCl             | High (Corrosive)    |
| H01       | NH₃(aq)         | High (Corrosive)    |
| H02       | CuSO₄           | Medium (Irritant)   |
| H02       | KNO₃            | Medium (Irritant)   |
| H02       | KOH             | Medium (Irritant)   |
| H02       | NaOH            | Medium (Irritant)   |
| H03       | C₂H₅OH          | High (Flammable)    |
| H03       | C₆H₅OH          | High (Toxic)        |
| H03       | C₆H₆            | High (Toxic)        |
| H03       | CH₃OH           | High (Flammable)    |
| H03       | CHCl₃           | High (Toxic)        |
| H04       | C₆H₁₂O₆         | Low (Safe)          |
| H04       | CaCO₃           | Low (Safe)          |
| H04       | NaCl            | Low (Safe)          |
| H04       | NaHCO₃          | Low (Safe)          |
| H04       | ZnO             | Low (Safe)          |
+-----------+-----------------+---------------------+
18 rows in set (0.001 sec)

mysql> SELECT*FROM Storage;
+-----------+----------------+-------------+----------+
| StorageID | Location       | Temperature | Capacity |
+-----------+----------------+-------------+----------+
| S01       | Acid Cabinet   | Room Temp   | 20 L     |
| S02       | Base Cabinet   | Room Temp   | 25 kg    |
| S03       | Ammonia Area   | Cool Room   | 15 L     |
| S04       | Solvent Shelf  | Room Temp   | 30 L     |
| S05       | Salt Storage   | Room Temp   | 50 kg    |
| S06       | Metal Salts    | Room Temp   | 20 kg    |
| S07       | Powder Shelf   | Room Temp   | 40 kg    |
| S08       | Flammable Zone | Cool Room   | 25 L     |
+-----------+----------------+-------------+----------+
8 rows in set (0.001 sec)

mysql> SELECT*FROM UsageLogs;
+-------+--------+-------+------------+--------------+------+--------------+
| LogID | ChemID | EmpID | DateUsed   | QuantityUsed | Unit | Purpose      |
+-------+--------+-------+------------+--------------+------+--------------+
| L001  | C001   | E001  | 2025-08-01 |          0.5 | L    | Experiment A |
| L002  | C004   | E002  | 2025-08-02 |            1 | kg   | Cleaning     |
| L003  | C007   | E003  | 2025-08-03 |          0.2 | L    | Test Sample  |
| L004  | C012   | E004  | 2025-08-05 |          0.1 | L    | Experiment B |
| L005  | C018   | E005  | 2025-08-06 |          0.5 | kg   | Experiment C |
+-------+--------+-------+------------+--------------+------+--------------+
```

```
+--------+---------------------+------------------+----------+------+----------+-----------+
| ChemID | ChemName            | Formula          | Quantity | Unit | HazardID | StorageID |
+--------+---------------------+------------------+----------+------+----------+-----------+
| C001   | Acetone             | $C_3H_6O$        |      2.5 | L    | H03      | S04       |
| C002   | Ammonia Solution    | $NH_3(aq)$       |        3 | L    | H01      | S03       |
| C003   | Benzene             | $C_6H_6$         |      1.2 | L    | H03      | S08       |
| C004   | Calcium Carbonate   | $CaCO_3$         |        8 | kg   | H04      | S07       |
| C005   | Chloroform          | $CHCl_3$         |        2 | L    | H03      | S08       |
| C006   | Copper(II) Sulfate  | $CuSO_4$         |      2.5 | kg   | H02      | S06       |
| C007   | Ethanol             | $C_2H_5OH$       |      1.5 | L    | H03      | S04       |
| C008   | Glucose             | $C_6H_{12}O_6$   |        5 | g    | H04      | S05       |
| C009   | Hydrochloric Acid   | HCl              |        2 | L    | H01      | S01       |
| C010   | Methanol            | $CH_3OH$         |        2 | L    | H03      | S04       |
| C011   | Nitric Acid         | $HNO_3$          |      1.2 | L    | H01      | S01       |
| C012   | Phenol              | $C_6H_5OH$       |        1 | L    | H03      | S08       |
| C013   | Potassium Hydroxide | KOH              |        2 | kg   | H02      | S02       |
| C014   | Potassium Nitrate   | $KNO_3$          |        3 | kg   | H02      | S02       |
| C015   | Silver Nitrate      | $AgNO_3$         |      0.8 | kg   | H01      | S06       |
| C016   | Sodium Bicarbonate  | $NaHCO_3$        |      5.5 | kg   | H04      | S07       |
| C017   | Sodium Chloride     | NaCl             |        7 | kg   | H04      | S05       |
| C018   | Sodium Hydroxide    | NaOH             |      4.5 | kg   | H02      | S02       |
| C019   | Sulfuric Acid       | $H_2SO_4$        |      3.5 | L    | H01      | S01       |
| C020   | Zinc Oxide          | ZnO              |        4 | kg   | H04      | S07       |
+--------+---------------------+------------------+----------+------+----------+-----------+
20 rows in set (0.002 sec)

mysql> SELECT*FROM Employees;
+--------+--------------------+----------+------------+------------------------------+
| EmpID  | EmpName            | Role     | Phone      | Email                        |
+--------+--------------------+----------+------------+------------------------------+
| E001   | Dr Murthi          | Lecturer | 0775120001 | kkms@wyb.ac.lk               |
| E002   | Malith Pehesara    | Student  | 0770366719 | malithpehesara123@gmail.com  |
| E003   | Oshin Pramodya     | Student  | 0715908835 | oshin2003@gmail.com          |
| E004   | Hasini             | Student  | 071194209  | hasini2001@gmail.com         |
| E005   | Ishara Sadaruwan   | Student  | 0714217052 | ishara2003@gmail.com         |
| E006   | Piyumika Shashimal | Student  | 0751519195 | shashimal2003@gmail.com      |
+--------+--------------------+----------+------------+------------------------------+
```