**Task 2:**

**ERD: Designed an ERD, including entities relevant to my SDG problem:**

**Lucidchart**

SELECT 'mysql' dbms,t.TABLE\_SCHEMA,t.TABLE\_NAME,c.COLUMN\_NAME,c.ORDINAL\_POSITION,c.DATA\_TYPE,c.CHARACTER\_MAXIMUM\_LENGTH,n.CONSTRAINT\_TYPE,k.REFERENCED\_TABLE\_SCHEMA,k.REFERENCED\_TABLE\_NAME,k.REFERENCED\_COLUMN\_NAME FROM INFORMATION\_SCHEMA.TABLES t LEFT JOIN INFORMATION\_SCHEMA.COLUMNS c ON t.TABLE\_SCHEMA=c.TABLE\_SCHEMA AND t.TABLE\_NAME=c.TABLE\_NAME LEFT JOIN INFORMATION\_SCHEMA.KEY\_COLUMN\_USAGE k ON c.TABLE\_SCHEMA=k.TABLE\_SCHEMA AND c.TABLE\_NAME=k.TABLE\_NAME AND c.COLUMN\_NAME=k.COLUMN\_NAME LEFT JOIN INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS n ON k.CONSTRAINT\_SCHEMA=n.CONSTRAINT\_SCHEMA AND k.CONSTRAINT\_NAME=n.CONSTRAINT\_NAME AND k.TABLE\_SCHEMA=n.TABLE\_SCHEMA AND k.TABLE\_NAME=n.TABLE\_NAME WHERE t.TABLE\_TYPE='BASE TABLE' AND t.TABLE\_SCHEMA NOT IN('INFORMATION\_SCHEMA','mysql','performance\_schema');

