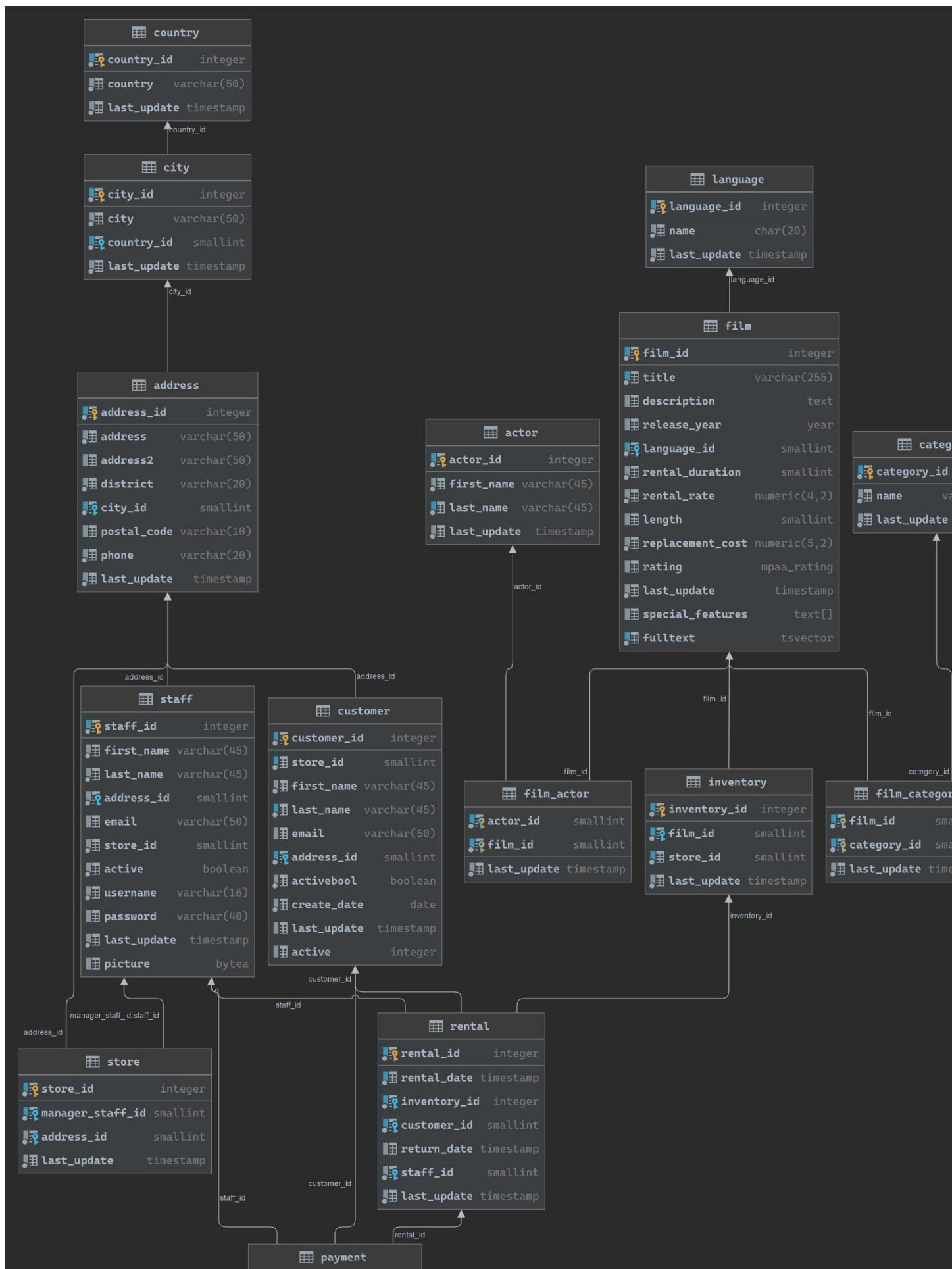


- 1- Use [dbdiagram.io](https://dbdiagram.io) or [draw.io](https://draw.io) to propose a new structure for the sakila database.



2-Define primary keys and foreign keys for the new database.

Answer: primary keys and foreign keys are shown by yellow and blue color keys in ER diagram.

Country → country\_id (PK) and no FK

City → city\_id (PK) and country\_id (FK)

address → city\_id (PK) and country\_id (FK)

staff → staff\_id (PK) and no FK

customer → customer\_id (PK) and address\_id (FK)

store → store\_id (PK) and manager\_staff\_id and address\_id (FK)

rental → rental\_id (PK) and inventory\_id and customer\_id (FK)

payment → payment\_id (PK) and customer\_id, staff\_id and rental\_id (FK)

actor → actor\_id (PK) and no FK

film → film\_id (PK) and language\_id (FK)

language → language\_id (PK) and language\_id (FK)

film\_actor → actor\_id (PK) and film\_id (PK)

category → category\_id (PK) and no FK

film\_category → film\_id and category\_id (PK) and no FK

inventory → inventory\_id (PK) and film\_id (FK)