During the process that we convert from Postgre to SQLite, we encounter some challenges.

The first challenge is that the operation ADD CONSTRAINT for ALTER TABLE in SQLite is omitted. Therefore, we need to define all the foreign keys inside the creation of each table. Then, in order to eliminate the errors when execute the script, the order of the creation of the tables is important, which means that we have to create the table that is referred by other tables first.

Also, the other challenge is that SQLite does not support the operation, CREATE ENUM. In order to solve this, we create a new table representing the type we want to create and use the INSERT statement to insert all the values needed to create the ENUM. After that, we let the tables created after it refer to its primary key as the foreign key if needed.

Finally, the last challenge we met is that SQLite does not support CREATE DOMAIN operation; thus, we use the CHECK() constraint writing inside the definition of the table in order to check whether the value is inside the domain we want.

These are all challenges we met when converting from Postgre to SQLite.