Database Project - Oral Presentation

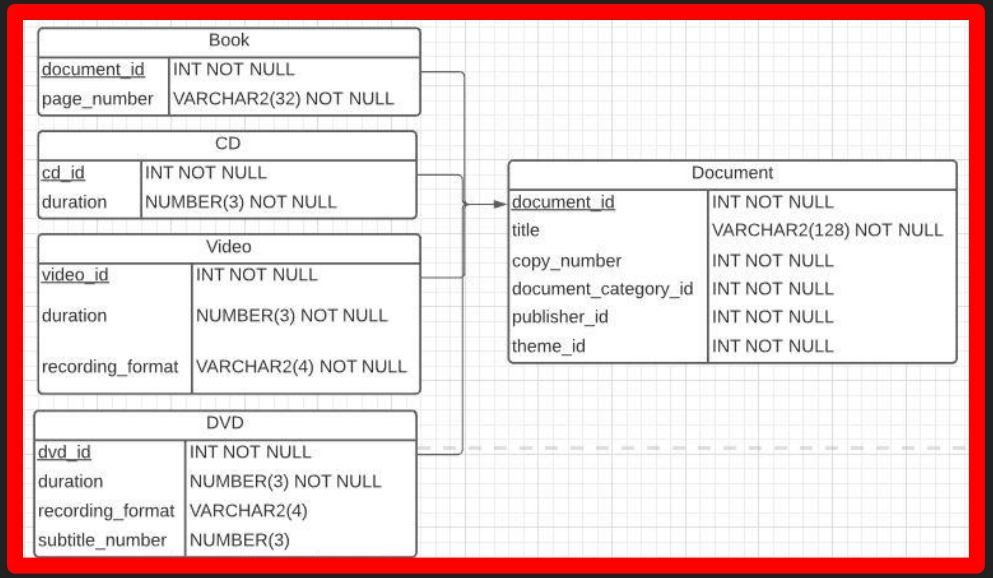
Introduction

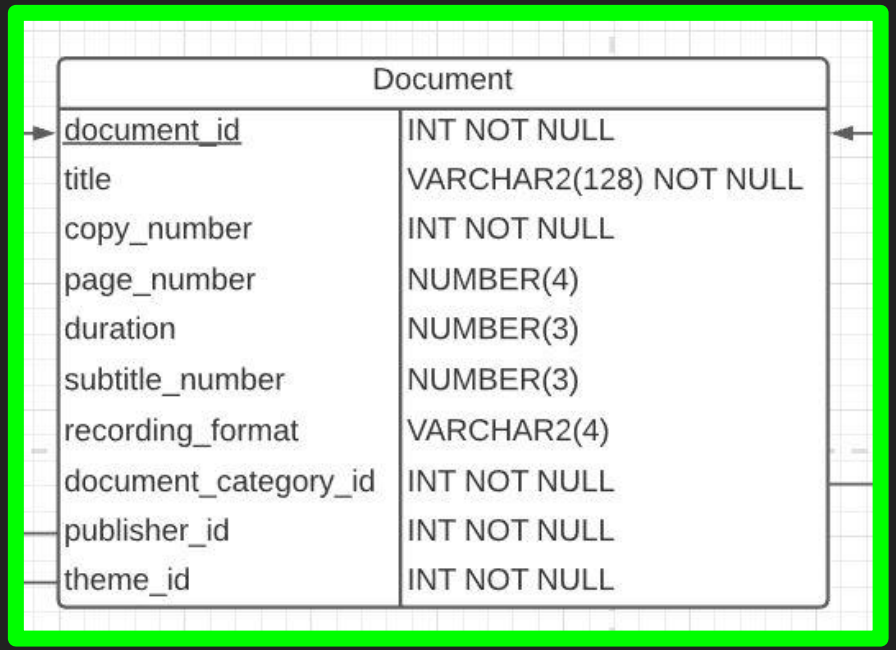
Presented By

Andrianarivony Henintsoa
Chevais Benjamin
Sauzeau Yannis

I - Conception

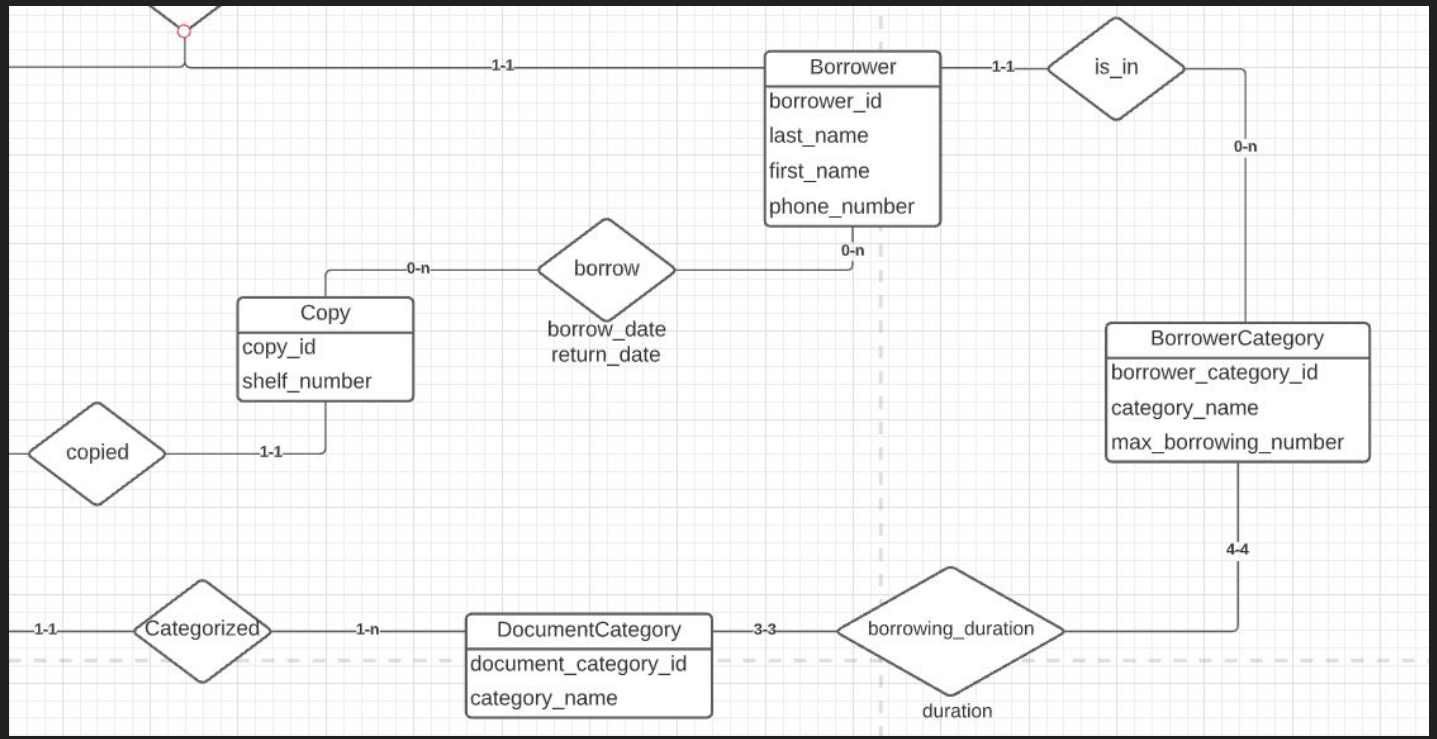
A - Document



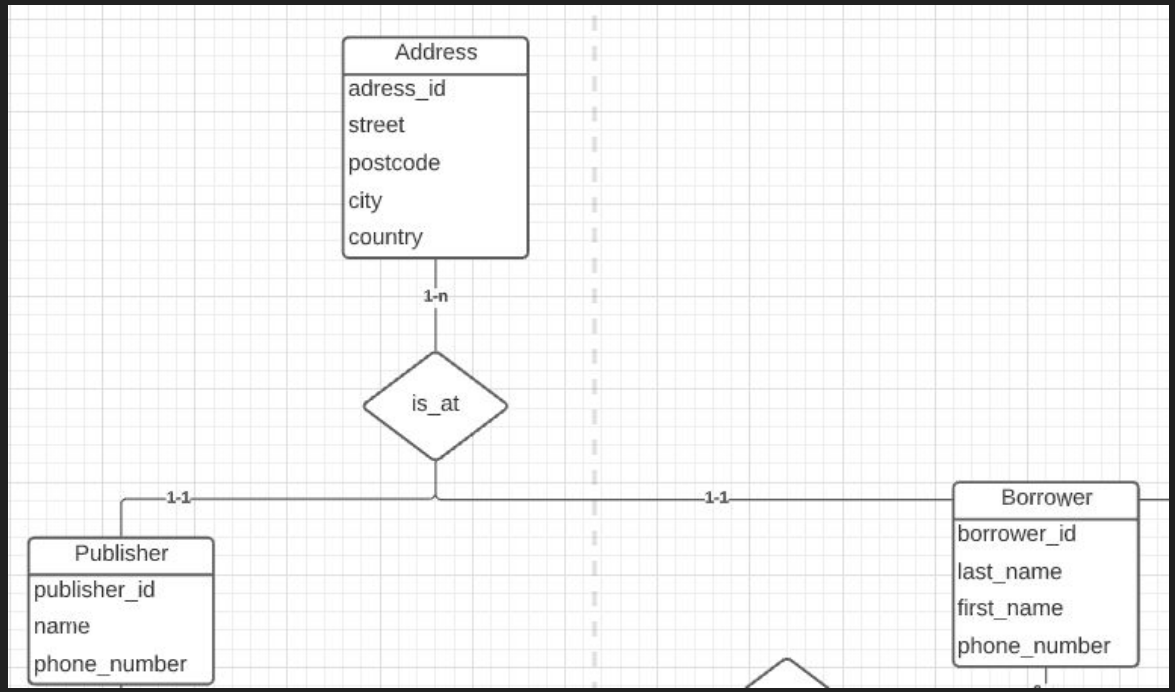


I - Conception

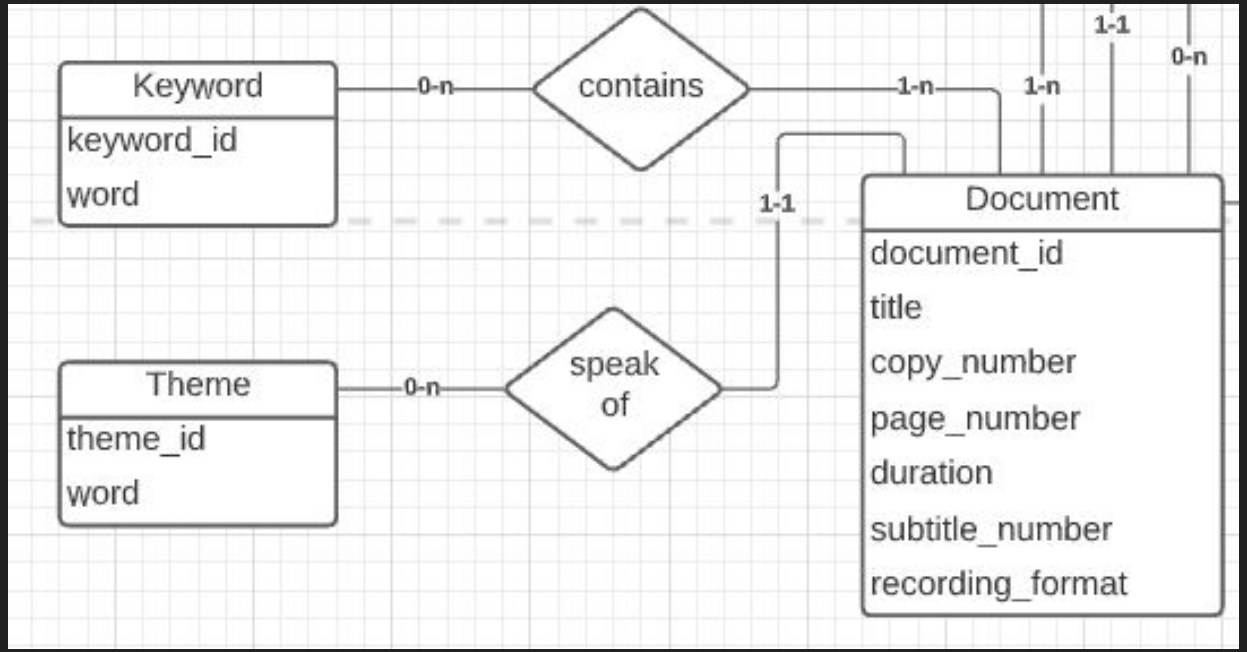
B - Borrowing



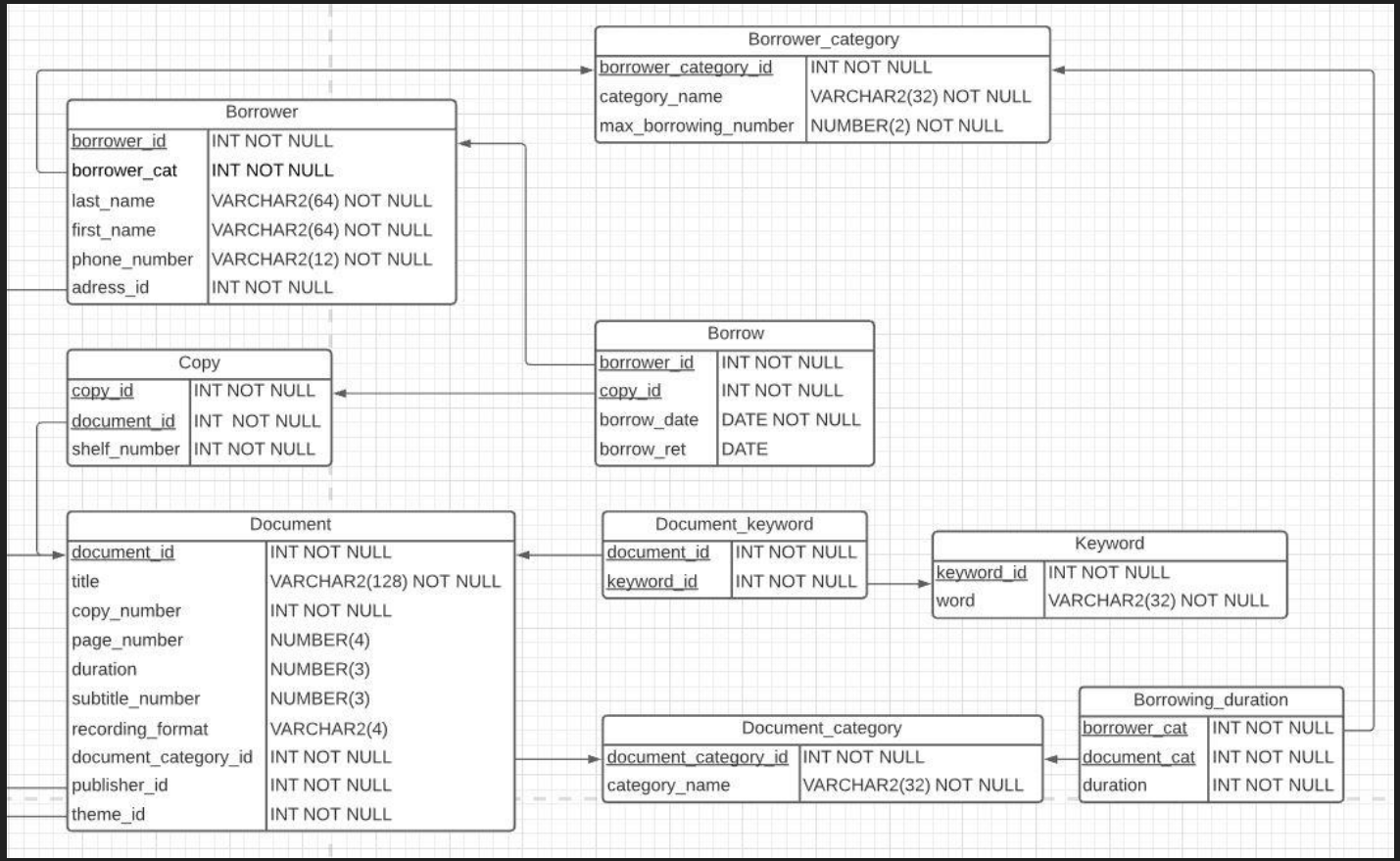
Optimization



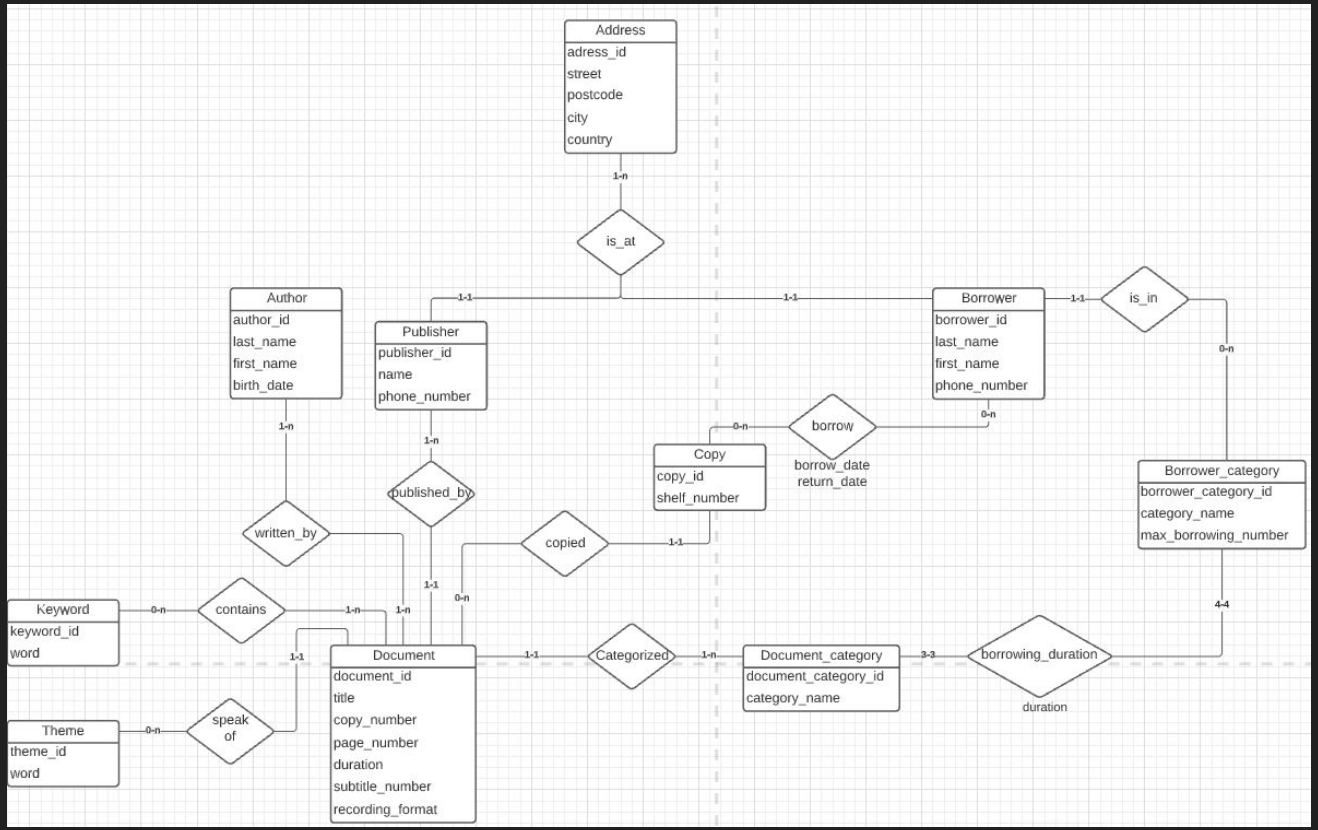
Optimization



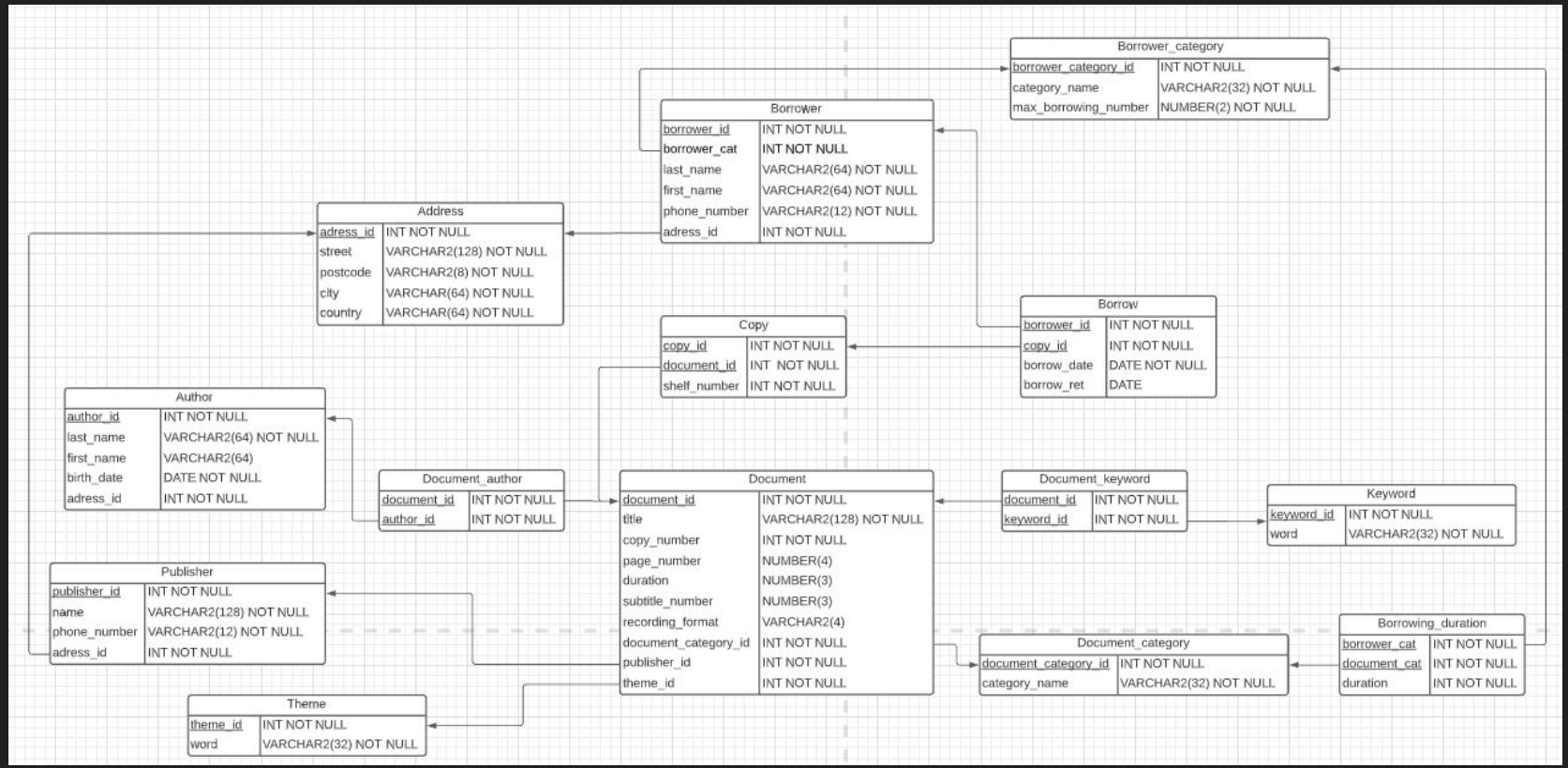
Modularity


Borrower_category
borrower_category_id INT NOT NULL
category_name VARCHAR2(32) NOT NULL
max_borrowing_number NUMBER(2) NOT NULL
Borrower
borrower_id INT NOT NULL
borrower_cat INT NOT NULL
last_name VARCHAR2(64) NOT NULL
first_name VARCHAR2(64) NOT NULL
phone_number VARCHAR2(12) NOT NULL
adress_id INT NOT NULL
Borrow
borrower_id INT NOT NULL
copy_id INT NOT NULL
borrow_date DATE NOT NULL
borrow_ret DATE
Copy
copy_id INT NOT NULL
document_id INT NOT NULL
shelf_number INT NOT NULL
Document
document_id INT NOT NULL
title VARCHAR2(128) NOT NULL
copy_number INT NOT NULL
page_number NUMBER(4)
duration NUMBER(3)
subtitle_number NUMBER(3)
recording_format VARCHAR2(4)
document_category_id INT NOT NULL
publisher_id INT NOT NULL
theme_id INT NOT NULL
Document_keyword
document_id INT NOT NULL
keyword_id INT NOT NULL
Keyword
keyword_id INT NOT NULL
word VARCHAR2(32) NOT NULL
Document_category
document_category_id INT NOT NULL
category_name VARCHAR2(32) NOT NULL
Borrowing_duration
borrower_cat INT NOT NULL
document_cat INT NOT NULL
duration INT NOT NULL

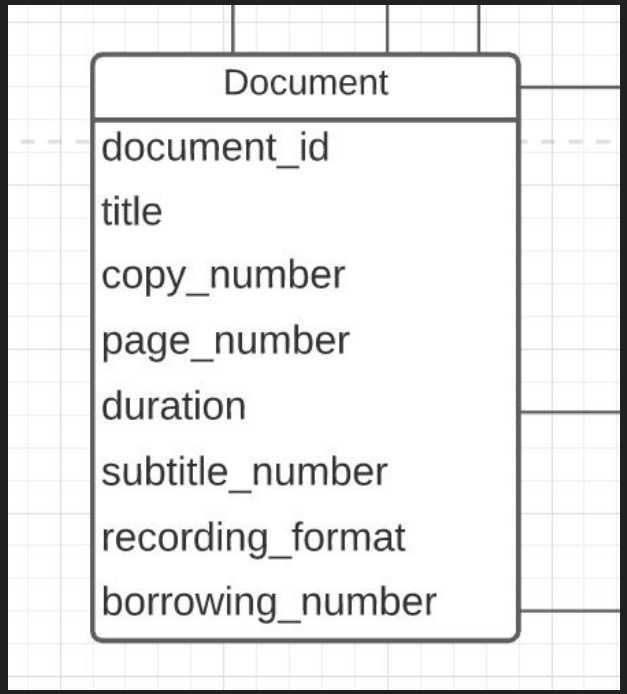
Entity–Relationship Schema

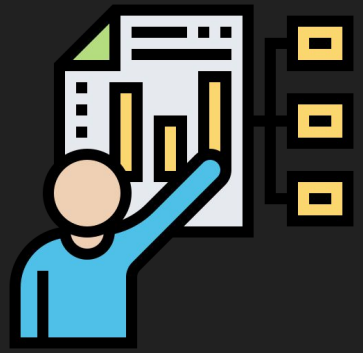


Relational Model Schema



Weakness of our model





Conclusion

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