

Library Application

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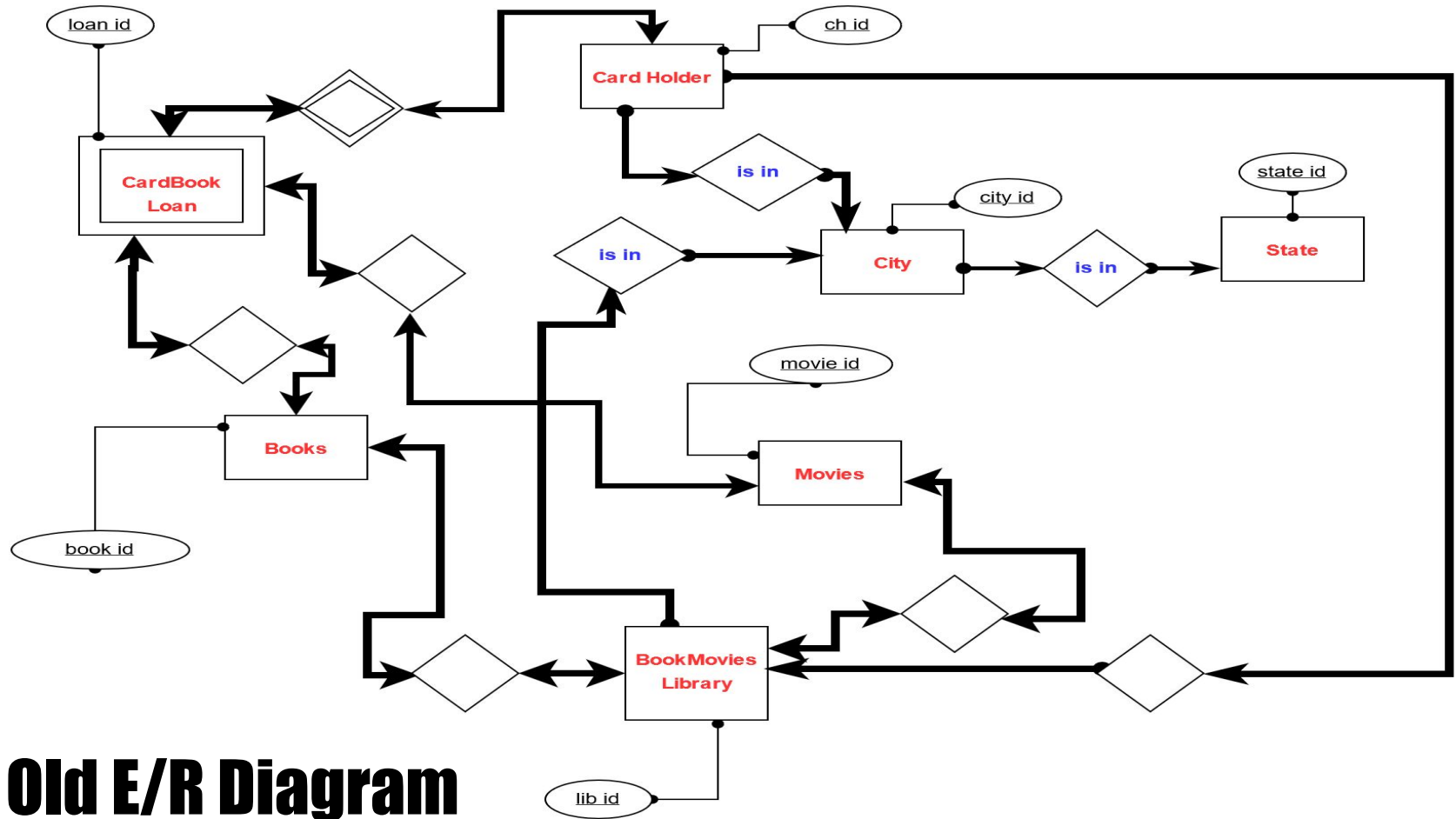
What we built

Database

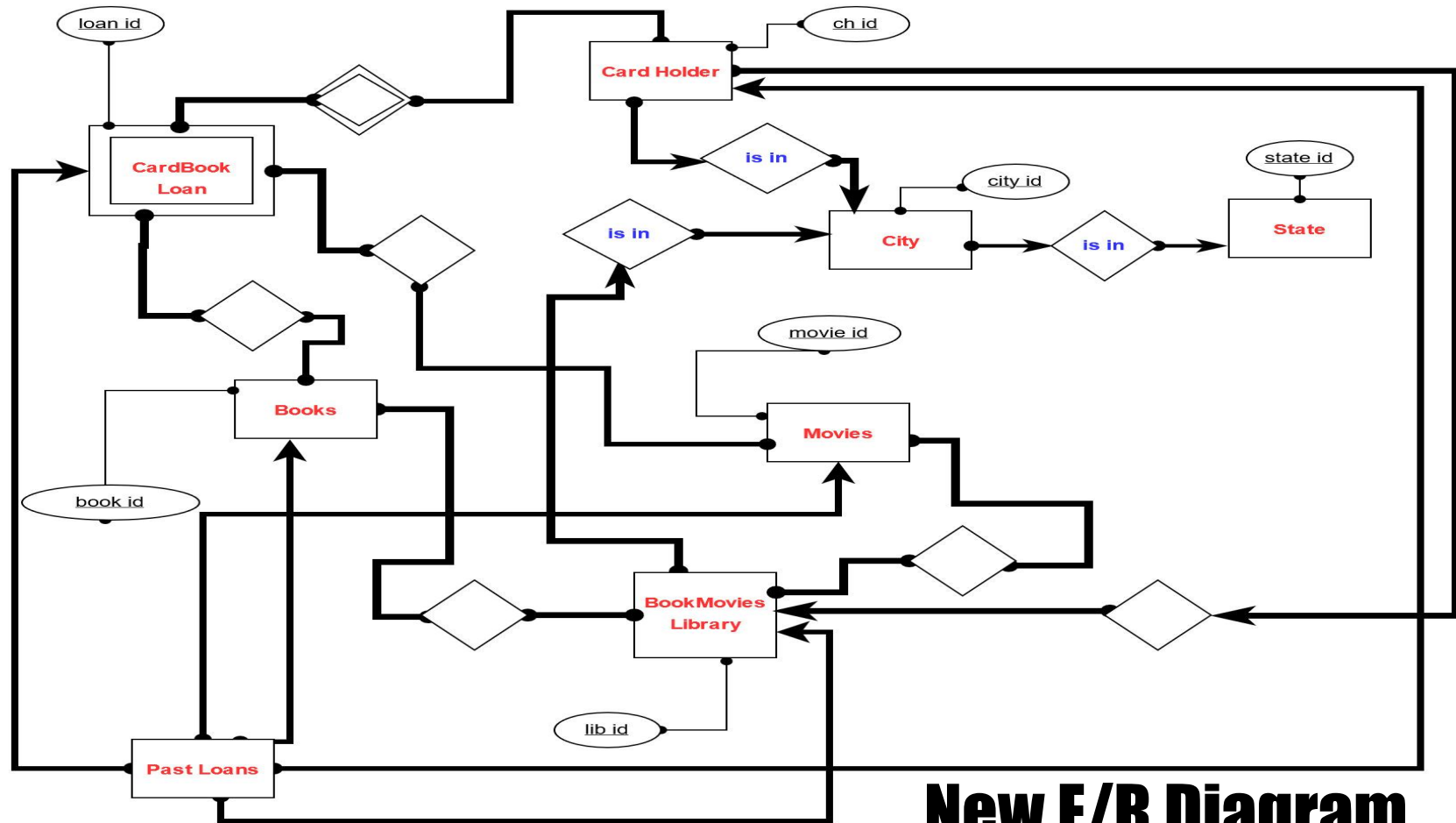
- We used SQLite to compile and manage a database of libraries and books/movies
- PHP, CSS and HTML to create the application used by a browser
- The database is a mixture of real and fabricated data
 - Books and movies have real sourced tuples
 - The users data where books and movies are located are fabricated.

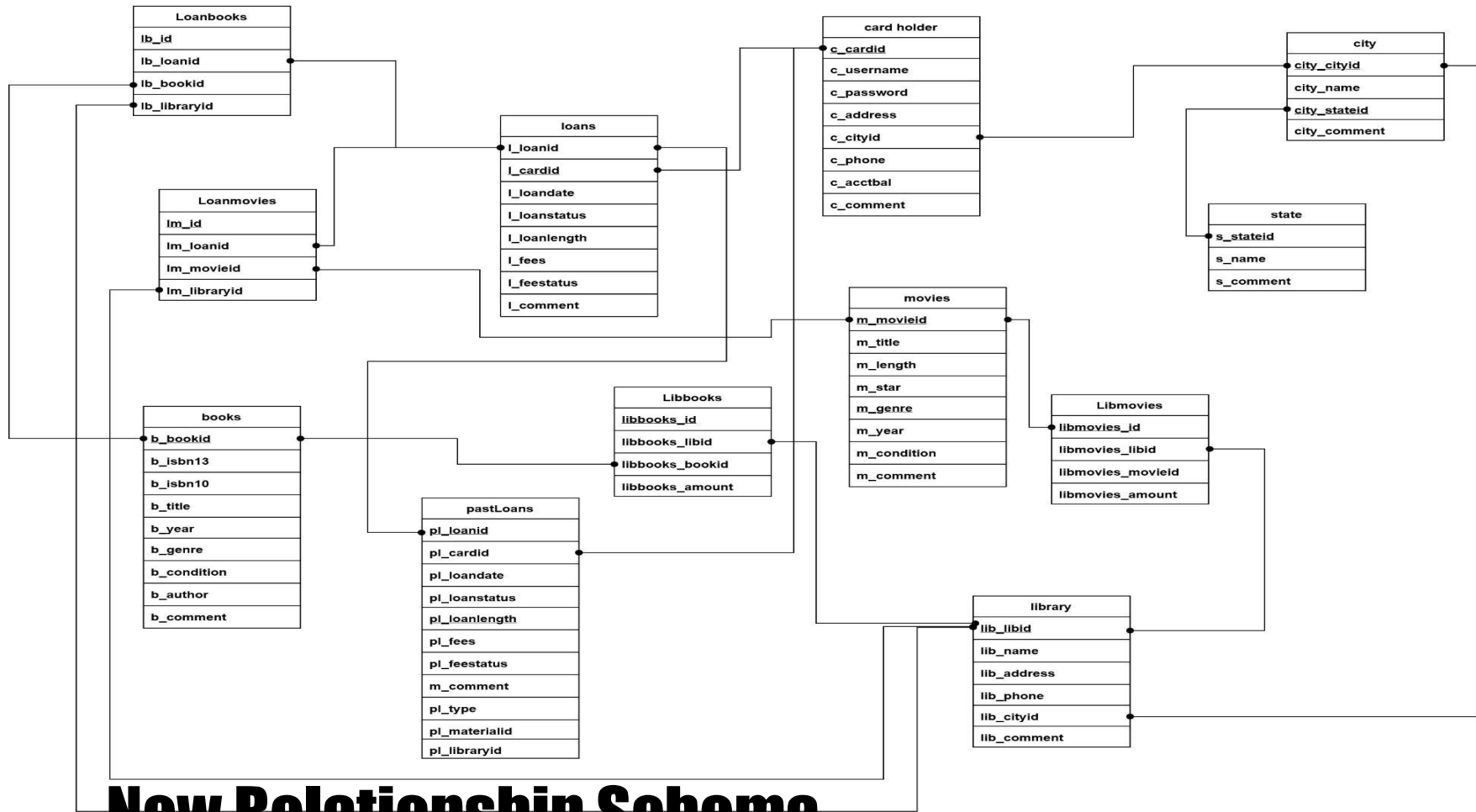
Application

- The front end of the application allows for users to make an account and search for books/movies based on misc. Inputs.
- The back end manages insertions deletions and query returns.



Old E/R Diagram

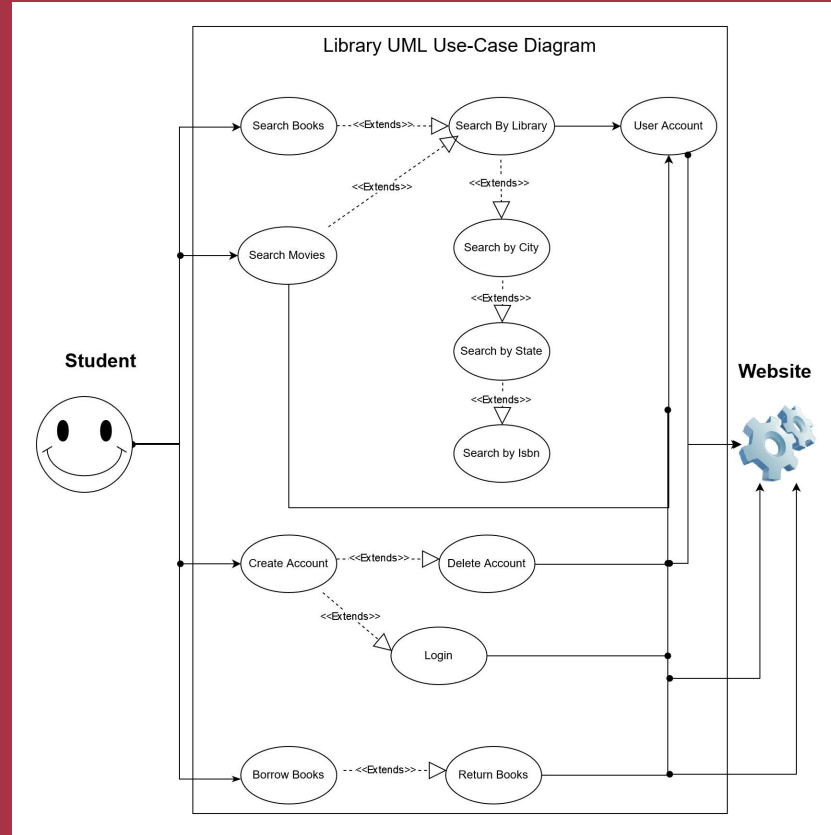




New Relationship Schema

UML USER USE CASE

- The users is able to search and request loans of books and movies.





Moving Forward

Like all projects there is always room for improvement and additional implementation here are a few

- Add age and restrictions to the card holder for child safe searches.
- Split up pages so operations happen in different areas.
- Either add book and movie searching or specify only one at a time.
- Make the ISBN field able to take ISBN 10 & 13.
- Maybe add some style and colour to the project.



Thank You

GitHub: <https://github.com/CSE111FinalProject/CSE111finalproject>