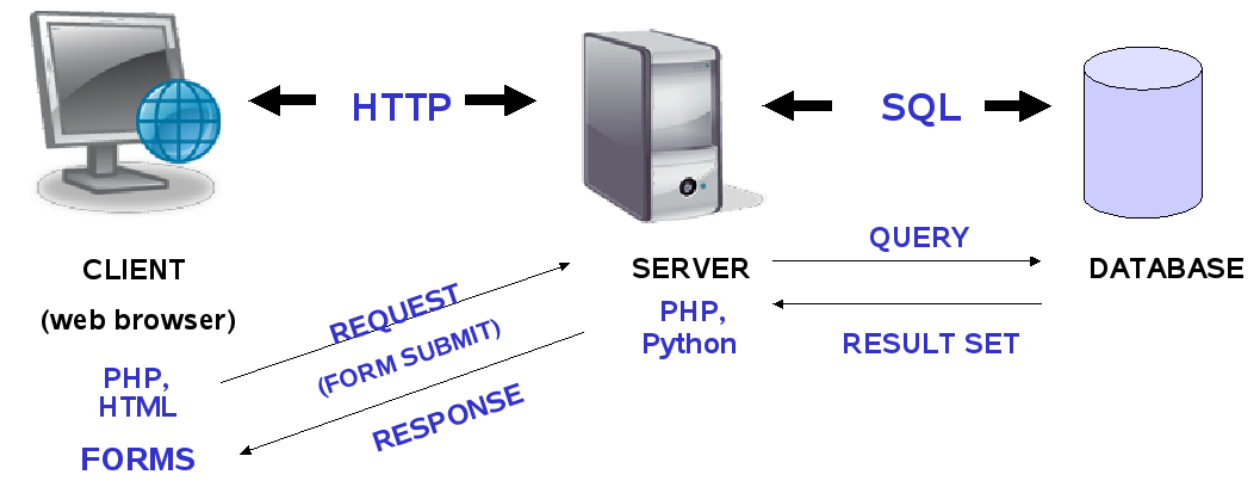


DESIGN DOCUMENT

Design Architecture:

1. **Client design:** HTML and CSS(Bootstrap) are used to create User Interfaces.
2. **Server Design:** PHP is used as the scripting language on the server side.
3. **DataBase:** MySQL is used as the Database.
4. **Framework:** XAMPP is used to create local server for maintaining Web server and DB server.



UI Architecture:

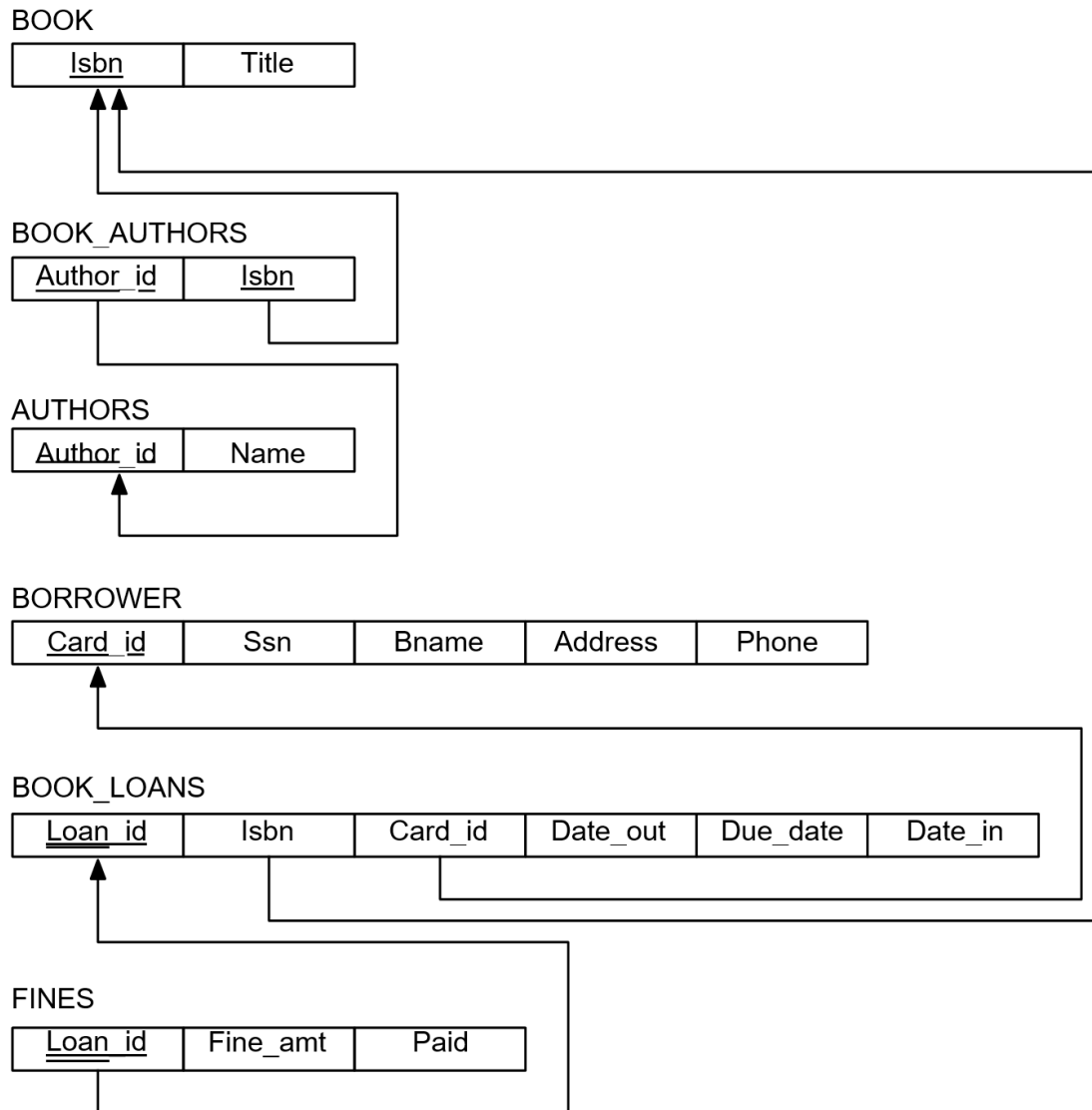
The start page has links to navigate to different pages mentioned below

1. Search Books
2. Checkin Books
3. Add Borrower
4. Fines

There is a link to the start page on the top left of each web page to navigate to the start page.

DB Architecture:

The schema used for the DB is as below.



- **Note:** Missing data is replaced by NA in the DB using SQL queries.

Technical Details:

UI: HTML5, CSS3, Bootstrap 3.3.7

DataBase: MYSQL 8.0.11

Server: PHP 7.2.5, Apache 2.4.33