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| **Project Title:**  Mini database (Library) | | | | |
| **Project Description:**  User inputs a book to search for, the app displays the book's summary, name, author publish date, and publishing company all on a display area. There is a selection of books to choose from each with the cover and title letting the user know which books are available in stock and which aren't available letting the user be on a waiting list for the book which is unavailable. The app will contain a minimum of 50 books.    **Functional Requirements:**   * Users can search through a mini database of at least 50 books on their mobile device, using Android Studio * Users will be given the option to be placed on a waiting list if their book is not available * Users can view details of the book they have selected such as a summary, author, publish date, and publishing company * User’s can submit requests for books to be in the database/library. * Database will include email for possible inquiries on further information * User’s can search for books with keywords and/or ISBN number * Users can view books in stock and in alphabetical order or date published (Possibly in a drop-down menu) * Users can navigate through genres of books and see how many books are available in that genre (possibly in a drop-down menu) * Users can save books to a wish list, to see what books you are interested in (UI interface to be decided) * Due dates can be seen thru the app where the date and time of when to return the book can be present either in a subcategory or beside the book itself * A page dedicated to showing the books you have taken out will be present with a cover page and details of when the book was taken and when it needs to be returned (may have library location) | | | | |

Phase 2: User Interface and Wireframe

Diagram

Description automatically generated

Technologies Used:

* Android Studio
* Java Coding language

High Level Design and Interactions:  
Diagram

Description automatically generated