

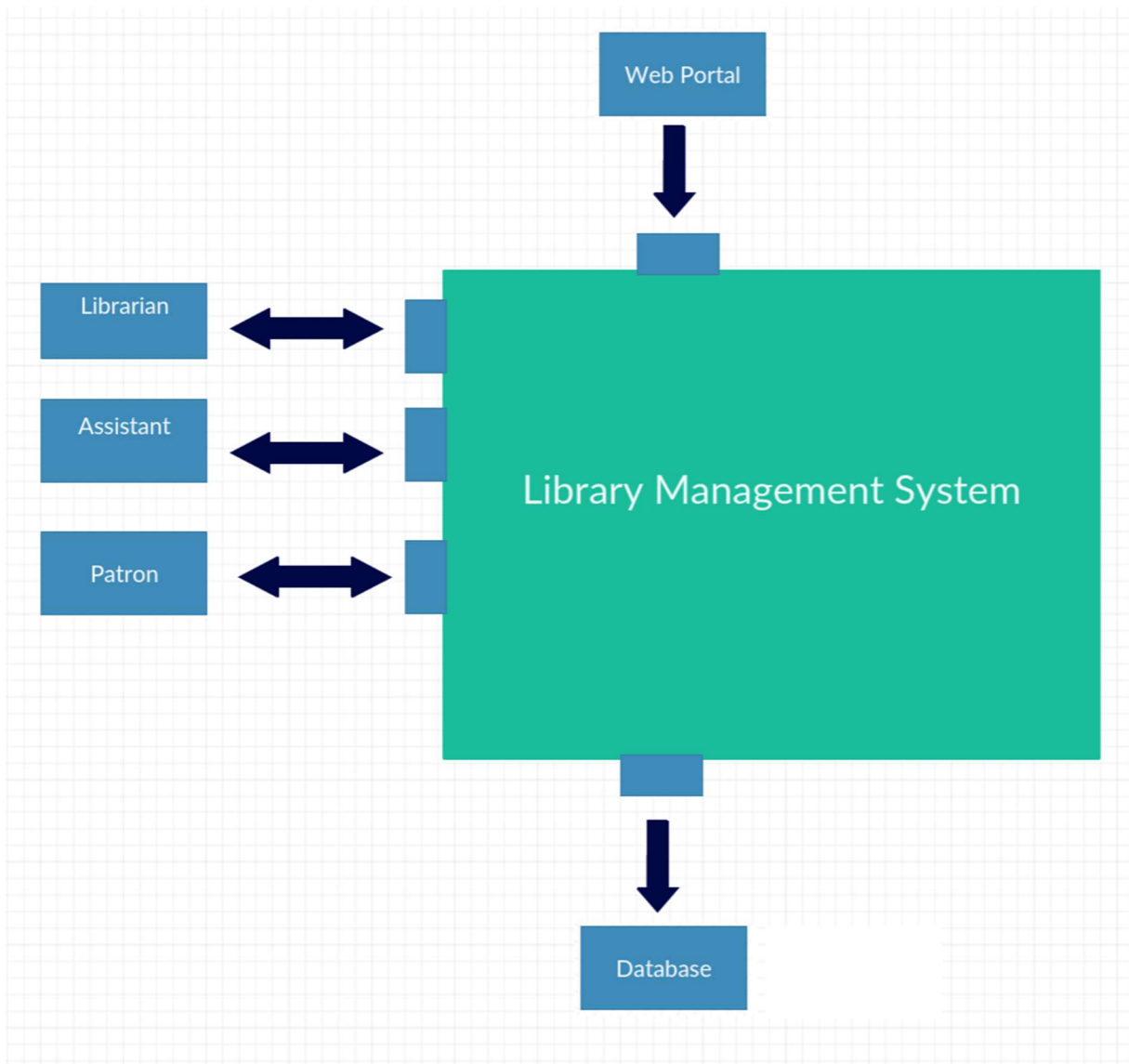
Milestone 4:

1. Draw the architectural context diagram to represent the architectural context of your software, which is part of architectural design.
2. Draw component diagrams to represent the components of your software and their relationships, which is the core of architectural design. (These components along with their relationship are the architecture of your software.)

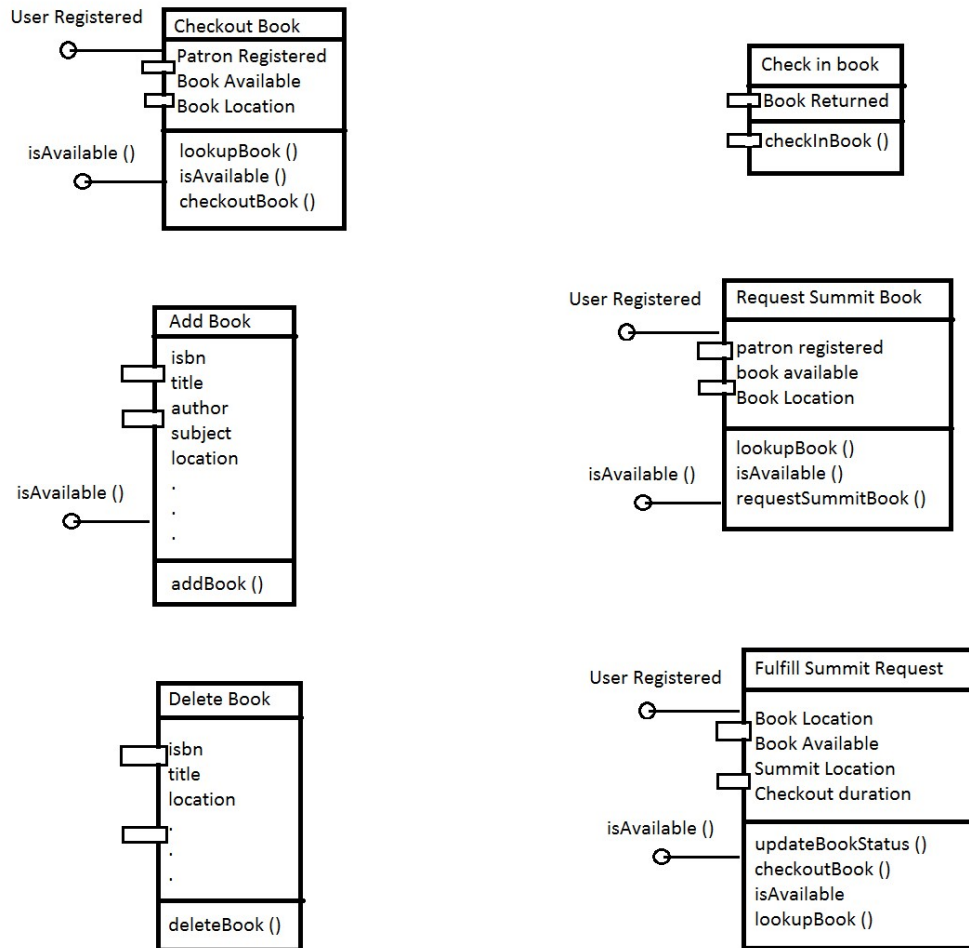
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1.



2. Elaborated / Detailed Component diagram



1. Identify / retrieve related classes for the component

Component: Checkout a book

Related classes:

- Librarians assistant
- Book
- Patron
- Web portal
- Database

2. Develop details of the component

2.1 identify elements of the component: -attributes -operations -interface

Attributes:

- Patron registered
- Book available
- Book location

Operations:

- `lookupBook()`
- `checkoutBook()`

```
        isAvailable ()
interface:
    web portal
    user registered
    book available
```