REQUIREMENT SPECIFICATIONS

Functional Requirements:

1. Query For a Book:
   The employee can select this option to get the details of the current books. Including the availability, price, author, publisher, etc.

2. Request Book :
   If a book is currnetly not in the inventory, then user(employee) can place the order for the same. Also, user can cancel the request from here.

3. Cancel Book Request:
   User(employee) can also cancel the request for book(s) at the same time depending upon the requests by the customers.

4. Billing :
   The user(employee) shall use this feature to bill the books. User shall enter the ISBN(International Standard Book Number number/ Name/Author to find the book and add to the list. It shall calculate the total amount accounting to the discounts offered by the store.

5. Inventory Details/Updates:
   This feature will update the system upon the imports/exports of books. Also this feature shall sort the books as per their availability/sale depending upon their inventory level.

6. Generate Sales Statistics:
   This feature shall generate the current statistics of the books which may include the books which are under as well as over demanded, **inventory level, net revenue, etc.

Non- Functional Requirements:

1. Maintainability:
   In case of failure, user can restart the system. Also, the software design is done with modularity in mind so that maintainability can be done efficiently.

2. Usability:
   The interface is easy to learn and use. Outputs are quickly provided along with well-defined error messages. System can support multiple users.

3. Security:
   Although basic authentication is maintained, the software described in this document is not secure. If access of the source code is gained, it can be modified.

**Inventory level = (number of copies of books sold over a period of 2 weeks)x(Average number of days it takes to procure the book from its publisher)

4. Supportability:

   The code is documented, easy to understand and has scope to add functionality.

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