3. Library management system

Srs document:

(ii) estimated budget: $250,000 for the initial development phase

Software requirements specification document for library managent system

1. introduction:

1.1 purpose:

the purpose of this document is to define requirements for a library management system outlining functionalities required for efficient library management operations such as lending book, submitting book, checking available books, new arrived books.

1.2 scope:

the system can be used by library management staff, users. ~~users can buy~~ library management staff can see the purchasing or lending of books by users. ~~users can lend~~ users can buy books for rent.

1.3 overview:

~~the hotel management~~

the library management system will include modules for front desk operations, purchasing book, ~~receiving~~ submitting books, billing, check new arrived books. it can be used in laptops, desktops, mobiles.

2. general description:

2.1 product perspective:

the system integrates with existing library, infrastructure and online booking platforms providing a centralized system for ~~the~~ managing library operations

2.2 user characteristics:

users will include library staff, buyers, publishers. user interface will be user friendly for non technical users

2.3 system constraints:

the system should be available in work hours, support multiple users during high traffic

3. functional requirements:

(i) buy books

(ii) submit books

(iii) update book details

(iv) customer profile and history management

(v) online booking integration

4. interface requirements:

(i) graphical user interface (gui) for library staff

(ii) web based interf

(iii) integration with

5. performance requirem

(i) must handle atle

(ii) give response

6. design constraints:

(i) system should wo

(ii) software should

7. non functional attri

(i) security: the in
the payment detail

(ii) reliability: inform
online booking pla

8. preliminary schedul

(i) time required: sy

(ii) estimated budget

Software requirements

1. introduction

1.1 purpose:

the purpose of thi
maintainance syst
track stock moveme

1.2 scope:

the system will be
to ensure efficien
also generate repo
locations

1.3 overview:

the stock maintan
inventory tracking,
it will be accessible

2. general description:

2.1 product perspecti

the system will inte
to keep track of st

(ii) web based interface for customers
(iii) integration with external booking platforms

5. performance requirements:
(i) must handle atleast 1000 users
(ii) give response in time for users

6. design constraints:
(i) system should work in existing hardware of pc
(ii) software should be able to adapt future changes

7. non functional attributes:
(i) security: the information of customers, staff should be encrypted the payment details should not be shared
(ii) reliability: information should be updated in other online booking platforms

8. preliminary schedule and budget:
(i) time required: system should be developed in 6 months
(ii) estimated budget: $10,000 for initial development phase

Software requirements specification for stock maintainance system

1. introduction

1.1 purpose:
the purpose of this document is to outline system for a stock maintainance system that helps bussinesses manage inventory levels track stock movement, and generate restocking alerts

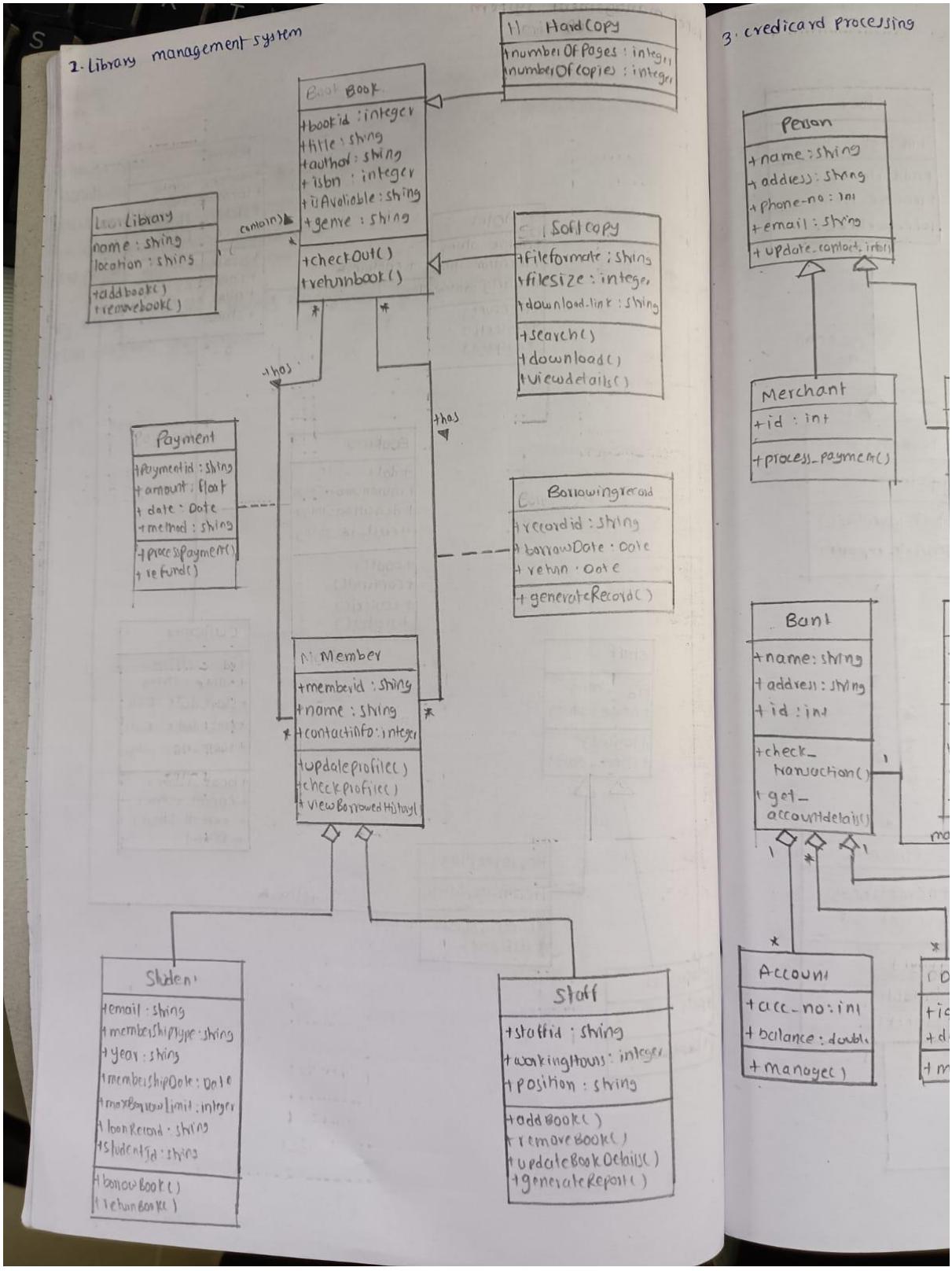
1.2 scope:
the system will be used by store managers and warehouse personnel to ensure efficient inventory tracking and timely restocking. it will also generate reports to optimize stock management across multiple locations

1.3 overview:
the stock maintainance system will have modules for inventory tracking, restock alerts, vendor management, and reporting. it will be accessible through desktops and mobile devices

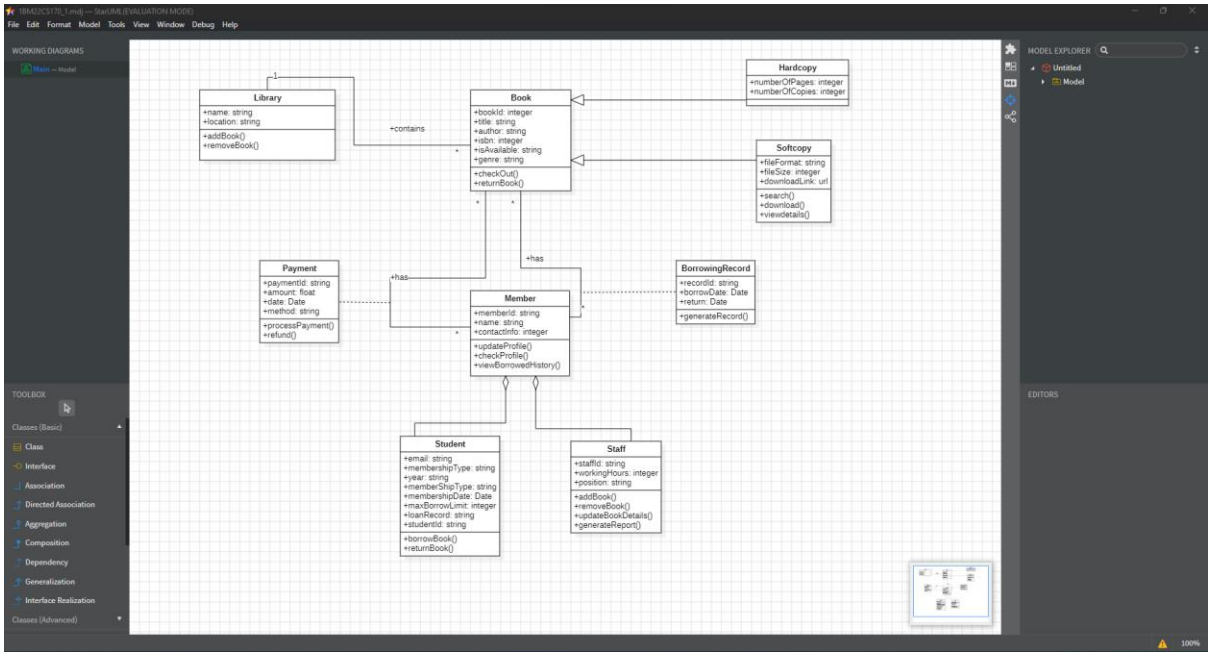
2. general description:

2.1 product perspective:
the system will integrate with existing warehouse management systems to keep track of stock levels and movements in real time

Class diagram:



Class diagram star uml:


File Edit Format Model Tools View Window Debug Help
WORKING DIAGRAMS
Main — Model
Library
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+location: string
+addBook()
+removeBook()
1
+contains
*
Book
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+author: string
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+returnBook()
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+addBook()
+removeBook()
+updateBookDetails()
+generateReport()
TOOLBOX
Classes (Basic)
Class
Interface
Association
Directed Association
Aggregation
Composition
Dependency
Generalization
Interface Realization
Classes (Advanced)
MODEL EXPLORER
Untitled
Model
EDITORS
100%