



Digimon

DIGIMON TEAM

GROUP NUMBER : 12

SUBMISSION DATE

June 16, 2022

ADVANCED PROGRAMMING COURSE

PUBLIC LIBRARY MANAGEMENT SYSTEM

Team members :

- 1 - Yaseen Ashraf
- 2 - Mohamed Hossam
- 3 - Amr Hossam
- 4 - Omar ElSayed
- 5 - Ahmed Ali Hussein
- 6 - Kareem Ahmed Melegy

اعضاء الفريق :

- 1 - ياسين اشرف
- 2 - محمد حسام
- 3 - عمرو حسام
- 4 - عمر السيد
- 5 - احمد علي حسين
- 6 - كريم احمد مليجي

Introduction

As we seek advancement, we decided to choose this particular project to improve our skills in dealing with programming and also databases.

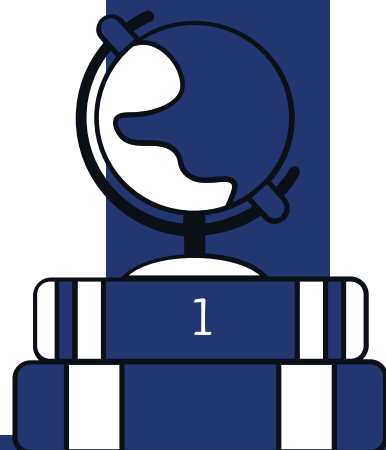
This project is almost a complete system for serving public libraries that have computers in it, and its primary premise is to turn the service into an easy and fun one.

Finally, we hope that you find this project a great instrument to clarify all the new skills and expertise that we reaped.

Purpose

The main purpose of this project is to produce a simple and easy open-source system for the public libraries that have small resources.

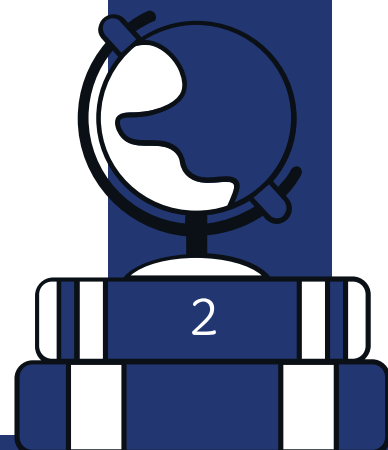
Egypt has 1,834 public library institutions, and almost 99% of them work without any digitalization of the service, so this system offers a very cheap and easy way of digitalizing these libraries without the need for big servers.



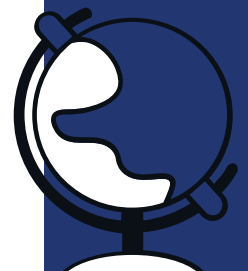
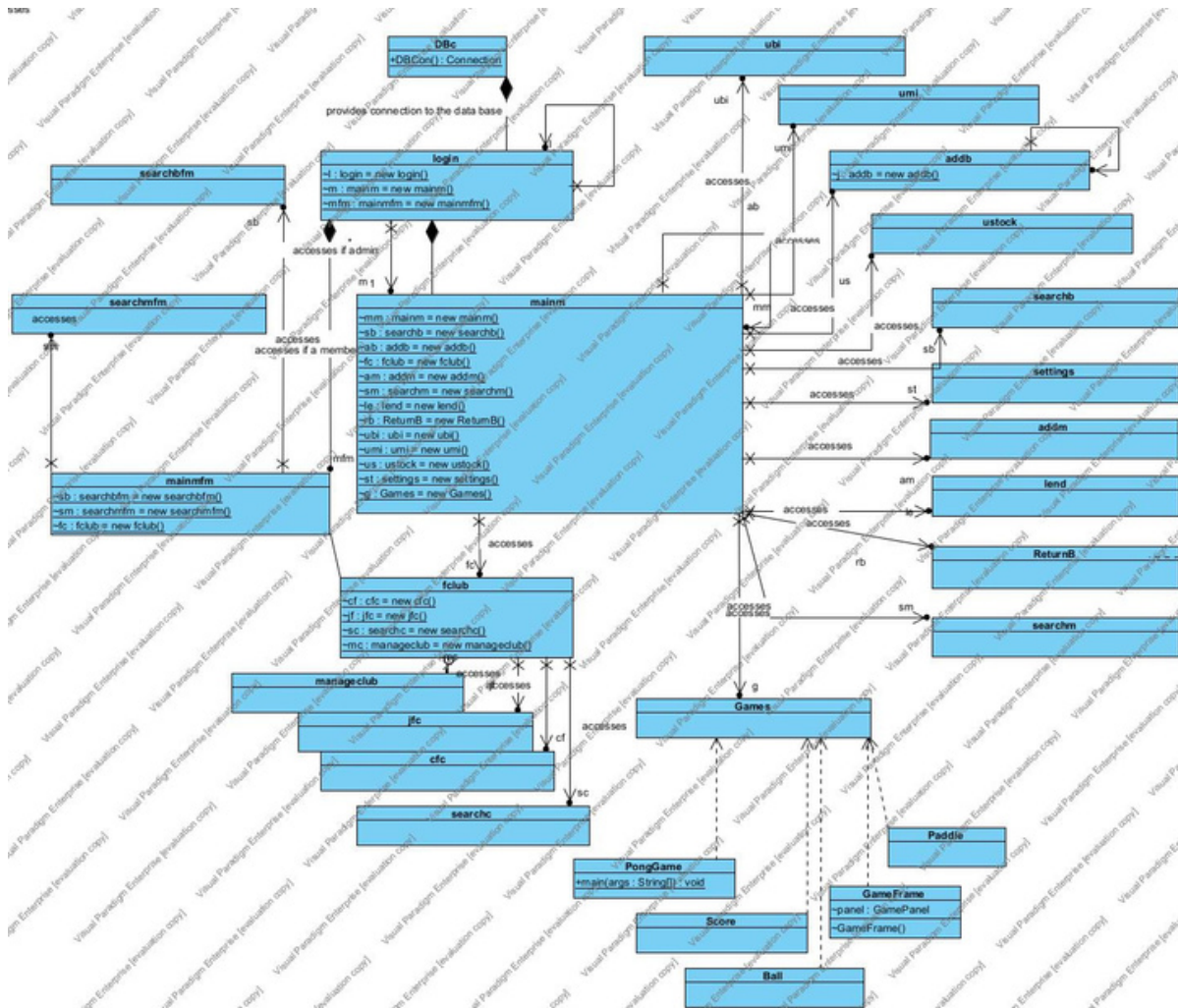
Stakeholders



Actors and Goals

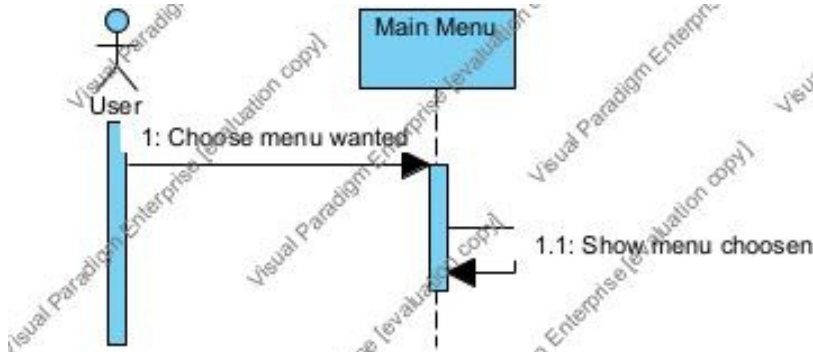


Class Diagram

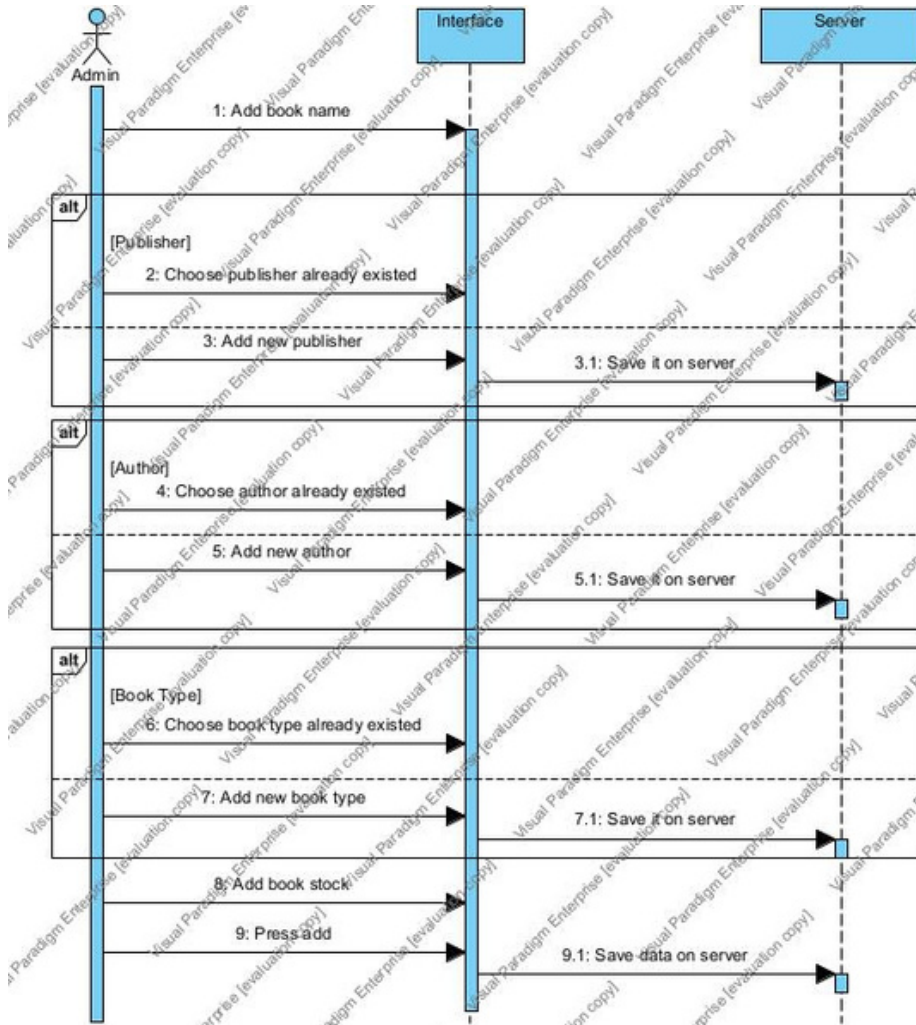


Sequence Diagrams

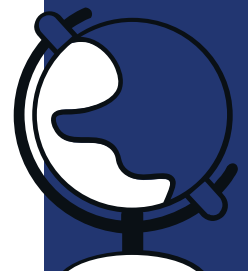
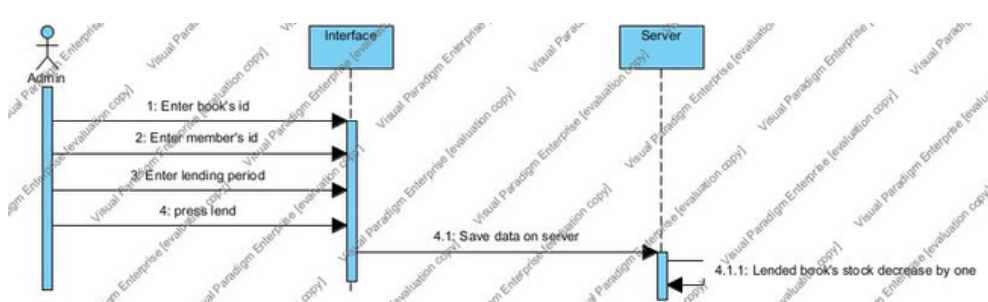
-MAIN MENU



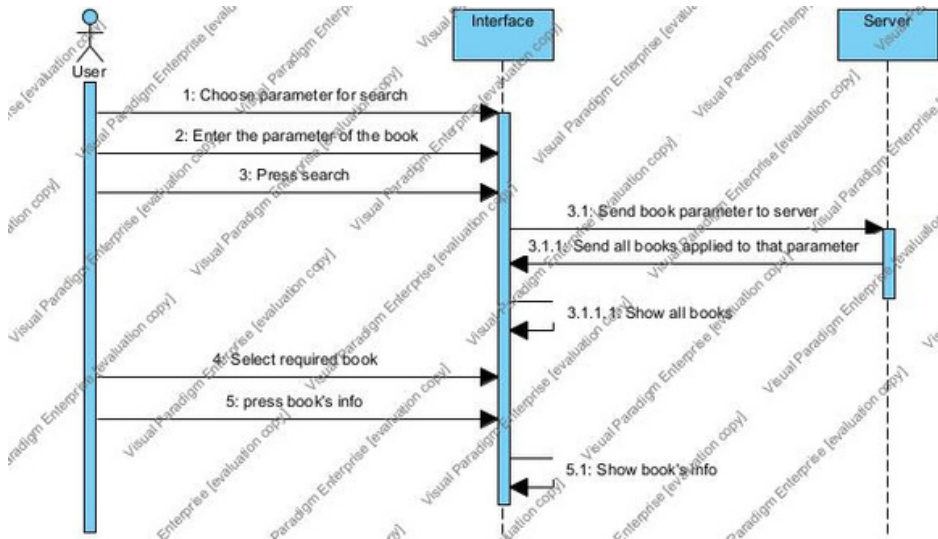
-ADD BOOK



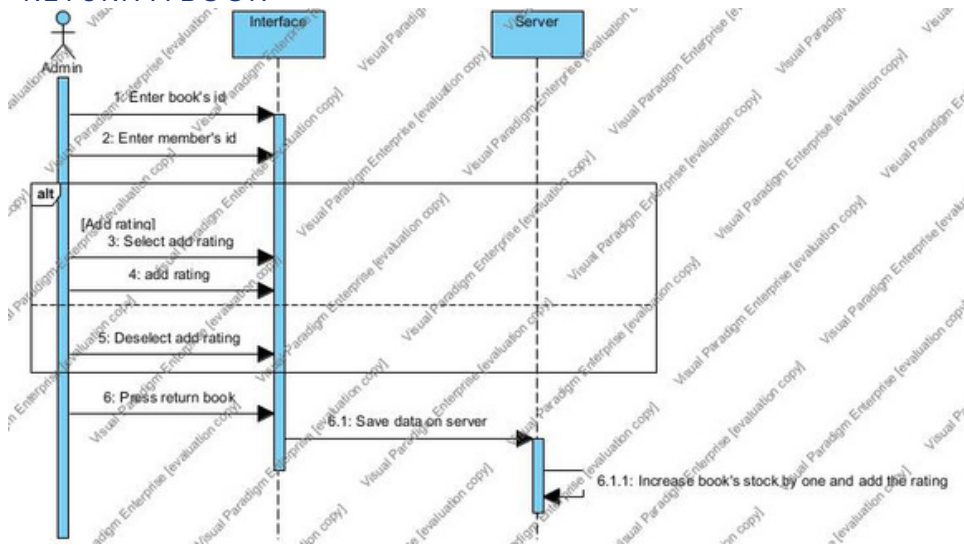
-LEND BOOK



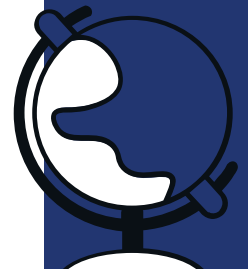
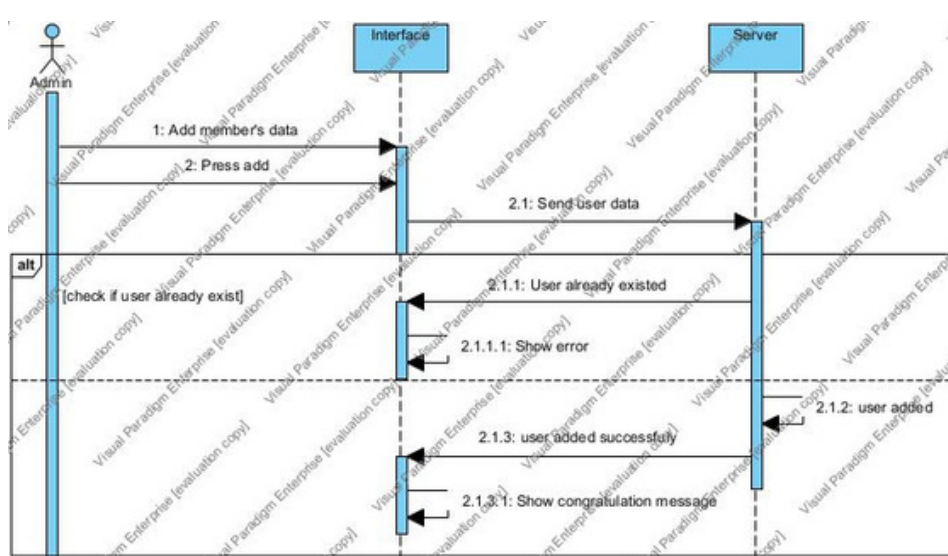
-SEARCH FOR A BOOK



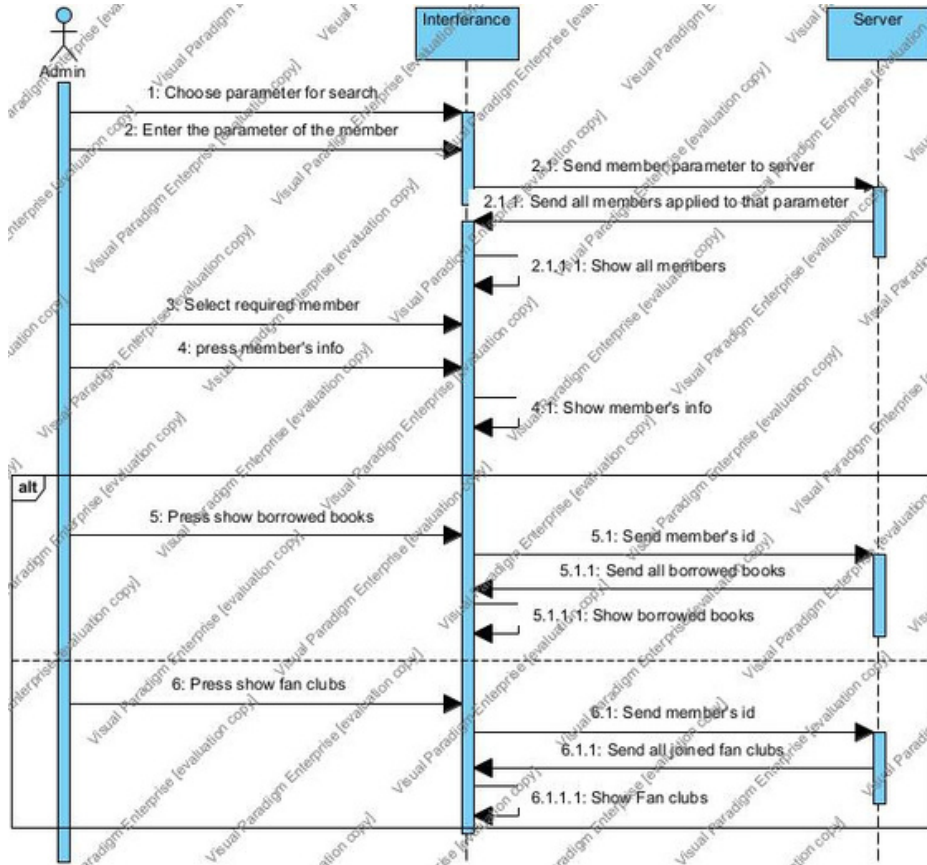
-RETURN A BOOK



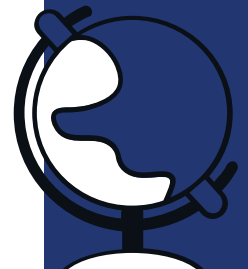
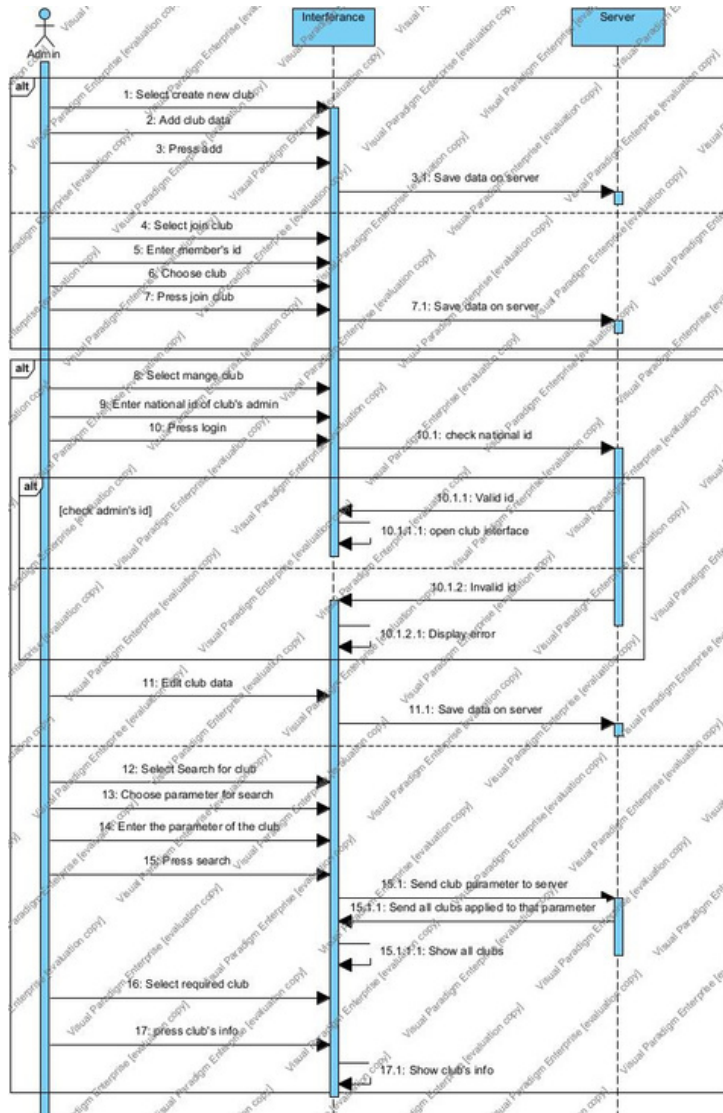
-ADD A MEMBER



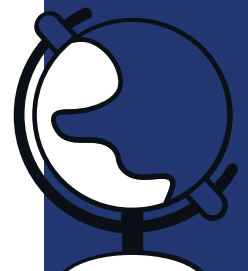
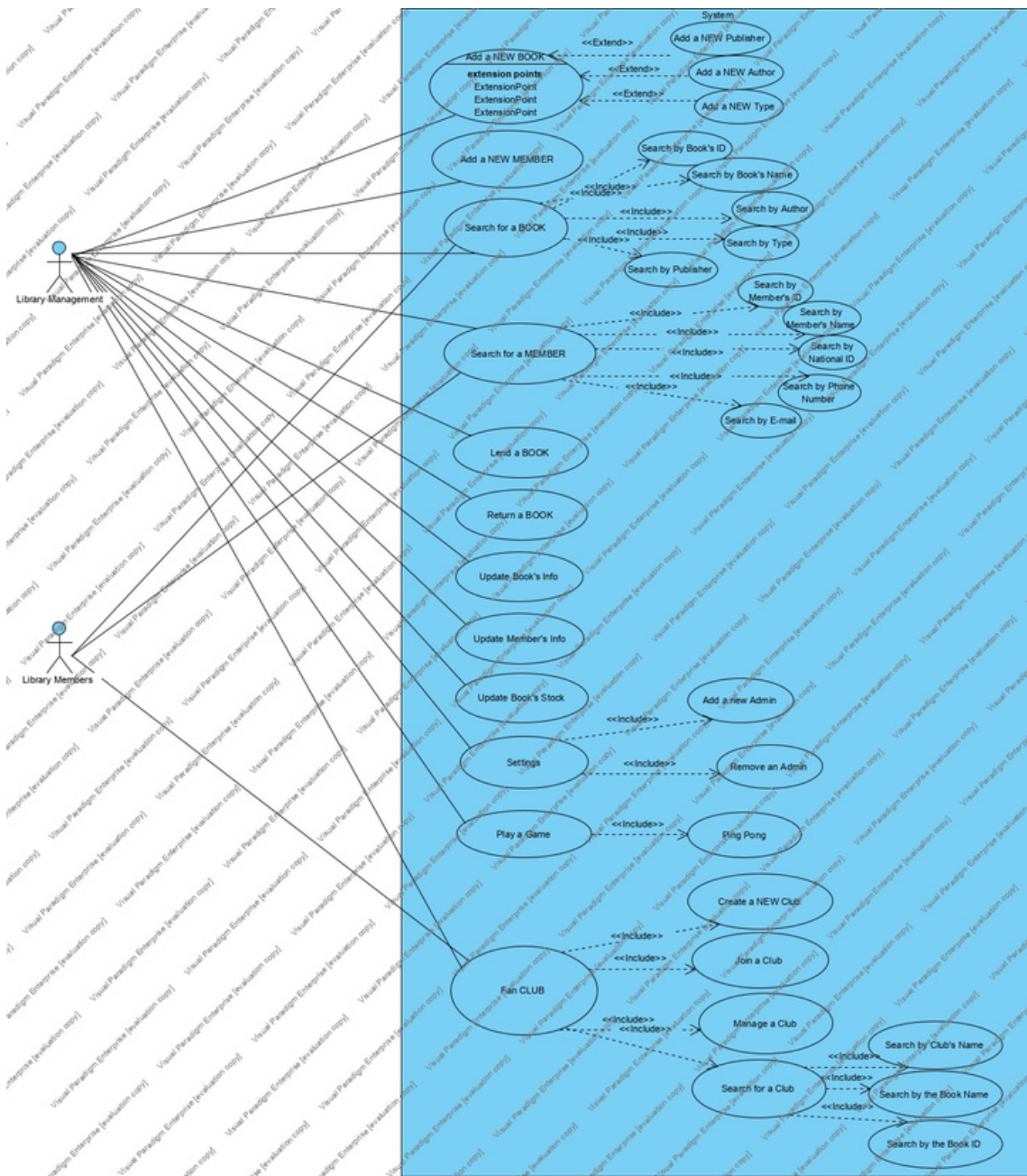
-SEARCH FOR A BOOK



-FAN CLUB




Use Case Diagram



Snapshots

-LOGIN PAGE

 **Digimon**
Champions of the Digital World


Login Page

User (Phone Number) :













Password (National ID) :

Login

-MAIN MENU FOR ADMINS


Digimon

Main Menu

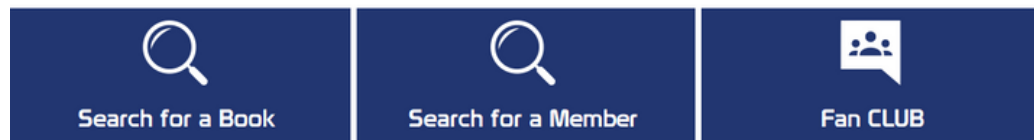
 Add a new Book	 Search for a Book	 Add a new Member
 Search for a Member	 Fan CLUB	 Lend BOOK
 Return BOOK	 Update BOOK's Info	 Update Member's Info
 Update BOOK's Stock	 Settings	 Play a Game



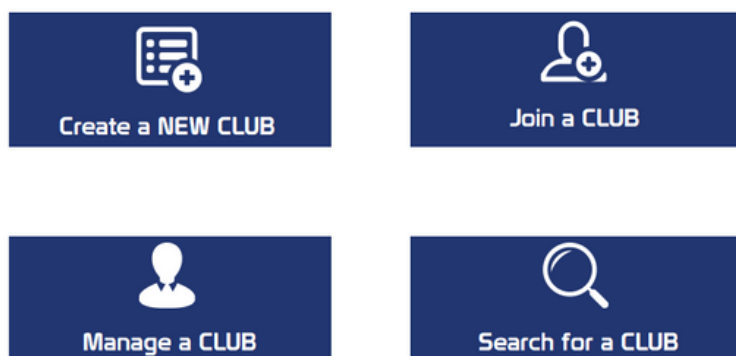
-MAIN MENU FOR MEMBERS



Main Menu



-FAN CLUB MENU

[MAIN MENU](#)

-ADD A NEW BOOK FRAME



BOOK's Name :	BOOK's Publisher :
<input type="text"/>	<div>DAW Books</div>
	<div>Add a new Publisher</div>
BOOK's Author :	BOOK's Type :
<div>Patrick Rothfuss</div>	<div>Fantasy</div>
<div>Add a new Author</div>	<div>Add a new Type</div>
BOOK's Stock :	
<input type="text"/>	
<div>ADD</div>	

[MAIN MENU](#)