

# **Library Manage System**

Java Swing, Library management system using object oriented programming and data structures.

# İçerik

- Amaç
- Kullanılan Yapılar & Yapılar
- Uygulama Ekran Görüntüleri

# Amaç

- Kütüphanelerin, kitap istek, geri getirme ve satın alma işlemlerini yapabileceği, öğrenci, akademisyen ve kütüphane yöneticisi modülleri bulunan, portal sistem oluşturmak.
- Uygulamanın esnek, sürdürülebilir yazılım mimarisi ile oluşturmak, dışarıdan gelen ekstra istek doğrultusunda da bu portal sistemin genişlemesine olanak sağlamak.

# Kullanılan Yapılar & Arayüz

- Yapılar

- *Veri Yapıları*

- LinkedList
    - Stack

- *OOP*

- Abstract,
    - Inheritance
    - Interface
    - Polymorphism
    - Encapsulation

- Arayüz

- *Java Swing*

- JFrame
    - JPanel
    - JLabel
    - JButton
    - JTabbedPane
    - GroupLayout
    - GridBagConstraints
    - GridBagLayout

# Uygulama Ekran Görüntüleri

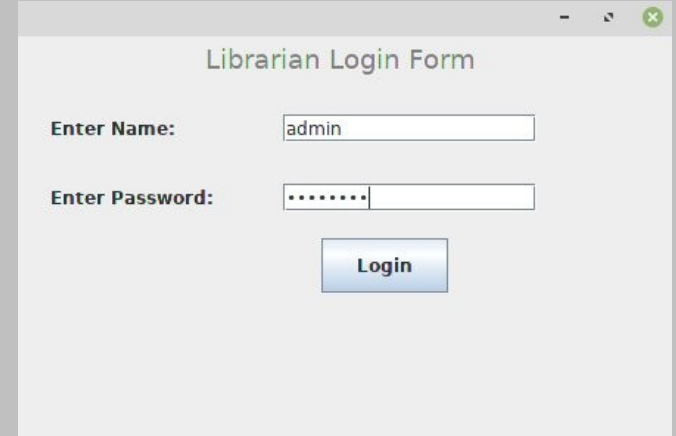


Library Management System

Librarian Login

User | Guest

The main screen of the Library Management System. It features a title bar with standard window controls. Below the title, the text 'Library Management System' is displayed. There are two buttons: 'Librarian Login' and 'User | Guest'.



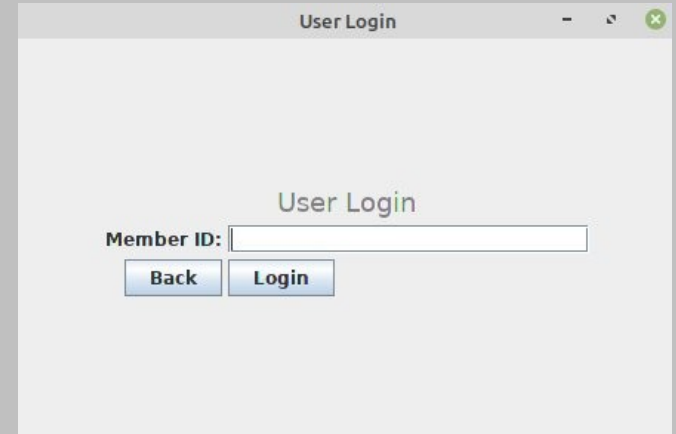
Librarian Login Form

Enter Name: admin

Enter Password: .....

Login

The Librarian Login Form. It has a title bar with standard window controls. The title is 'Librarian Login Form'. It contains two input fields: 'Enter Name:' with the value 'admin' and 'Enter Password:' with masked characters '.....'. Below the password field is a 'Login' button.



User Login

Member ID:

Back Login

The User Login screen. It has a title bar with standard window controls. The title is 'User Login'. It contains a 'Member ID:' input field. Below the input field are two buttons: 'Back' and 'Login'.

# Uygulama Ekran Görüntüleri Devam...

User Dashboard Welcome, John Watson

Book Transaction

Book Transaction

Book Id	Author	Name	Price	Status
101	Victor Hugo	Les Miserables	12.99	true
102	Fyodor Dostoevsky	Crime and Punishment	9.89	true
103	Edward Ardizzone	Robinson Crusoe	361.0	true

Book ID:

**Request Librarian!**

Logout

# Uygulama Ekran Görüntüleri Devam...

Librarian Dashboard

User Transaction Add Book Request View Return Book Create Bill Library Report

User Transaction

Member ID:

☐ Student ☐ Faculty

User Name-Surname:

User Adress:

User Phone:

Add User

Member Id	Type	Name	Adress	Phone	Date
250	Student	John Watson	London	25845687	2019.12.27.14.11.41
251	Student	Micheal Jackson	Toronto	25845687	2019.12.27.14.11.41
Member Id	Type	Name	Adress	Phone	Date
252	Faculty	Steve Ballmer	California	25845687	2019.12.27.14.11.41

Logout

# Teşekkürler

“ • Sorularınız...”

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