



Barkin Library Management Tool (BarkinLibTool)

Technical Documentation

Summary

Bu projenin amacı PyQt, mysql-connector-python vs. kütüphanelerini kullanarak Python dilinde bir kütüphane yönetme uygulaması tasarlamaktır.

TAMAMLANMADI - SADECE ÖRNEK

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Version 1.0

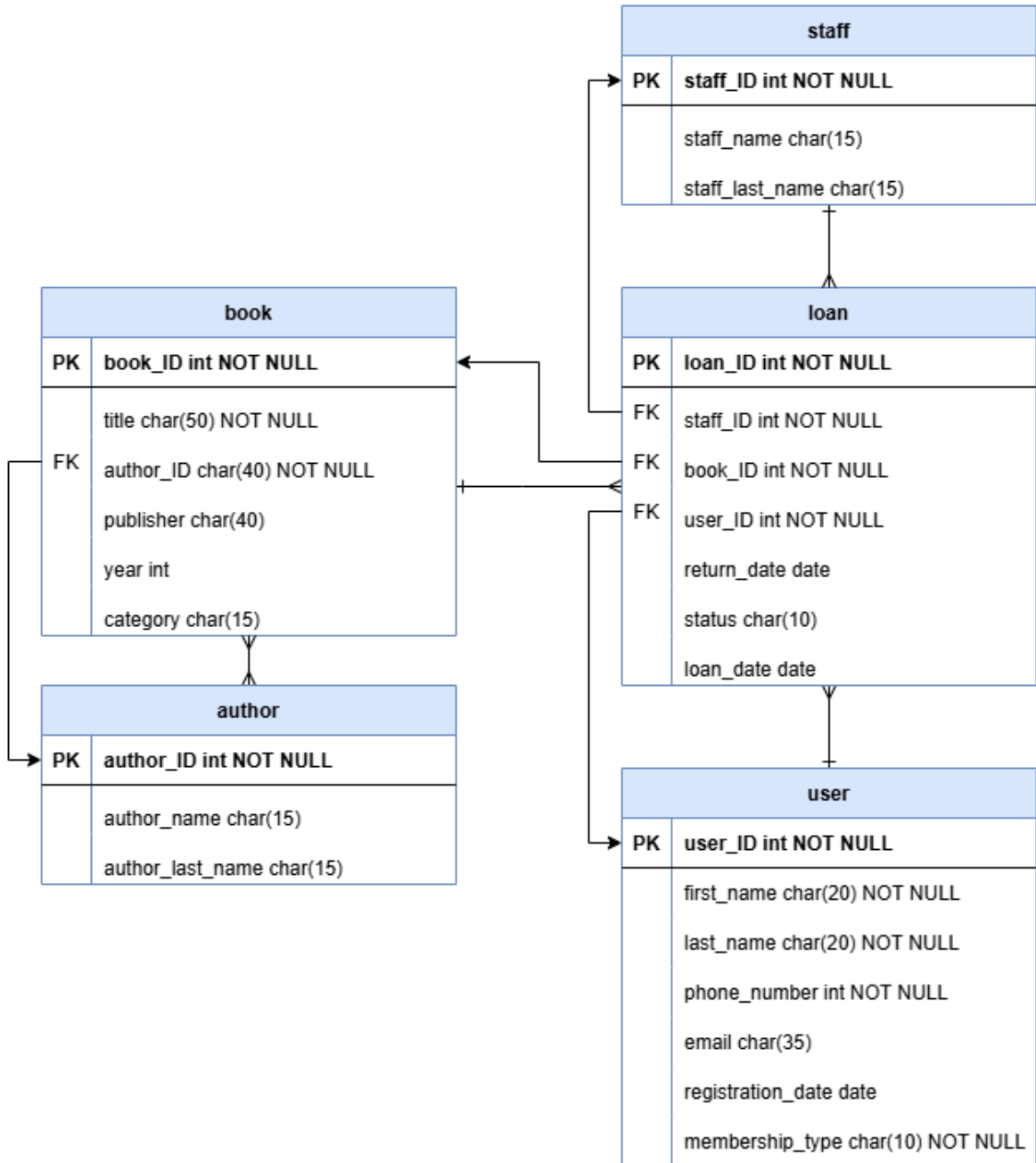
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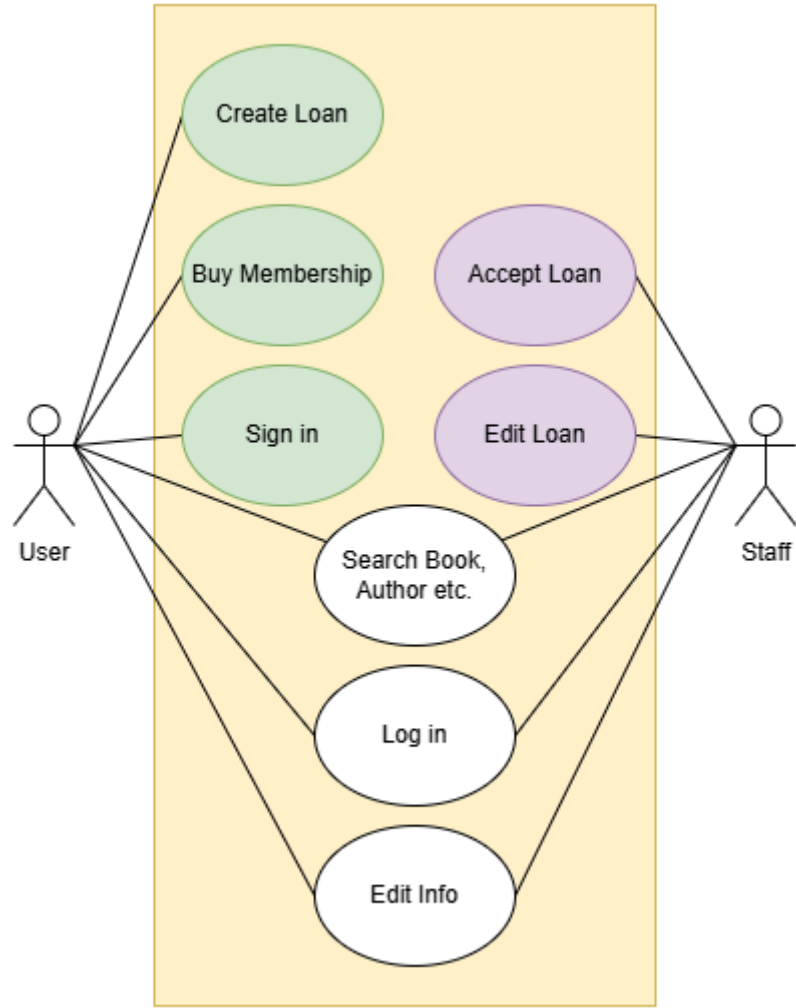
1. INTRODUCTION

Kütüphaneler, fiziksel kitapların kontrolünü sağlamak ve yönetimini kolaylaştırmak için çeşitli yazılım çözümleri kullanmaktadır. Bu çözümler; kitapların takibini yapmayı, ödünç verme ve iade işlemlerini düzenlemeyi, aynı zamanda envanter yönetimini etkin bir şekilde kullanılmasına yardımcı olmaktadır. Bu projede, Python tabanlı bir masaüstü uygulaması geliştirerek kütüphanelerin kitap yönetimi süreçlerinde yardımcı olunması hedeflenmektedir.

2. TECHNICAL DESIGN

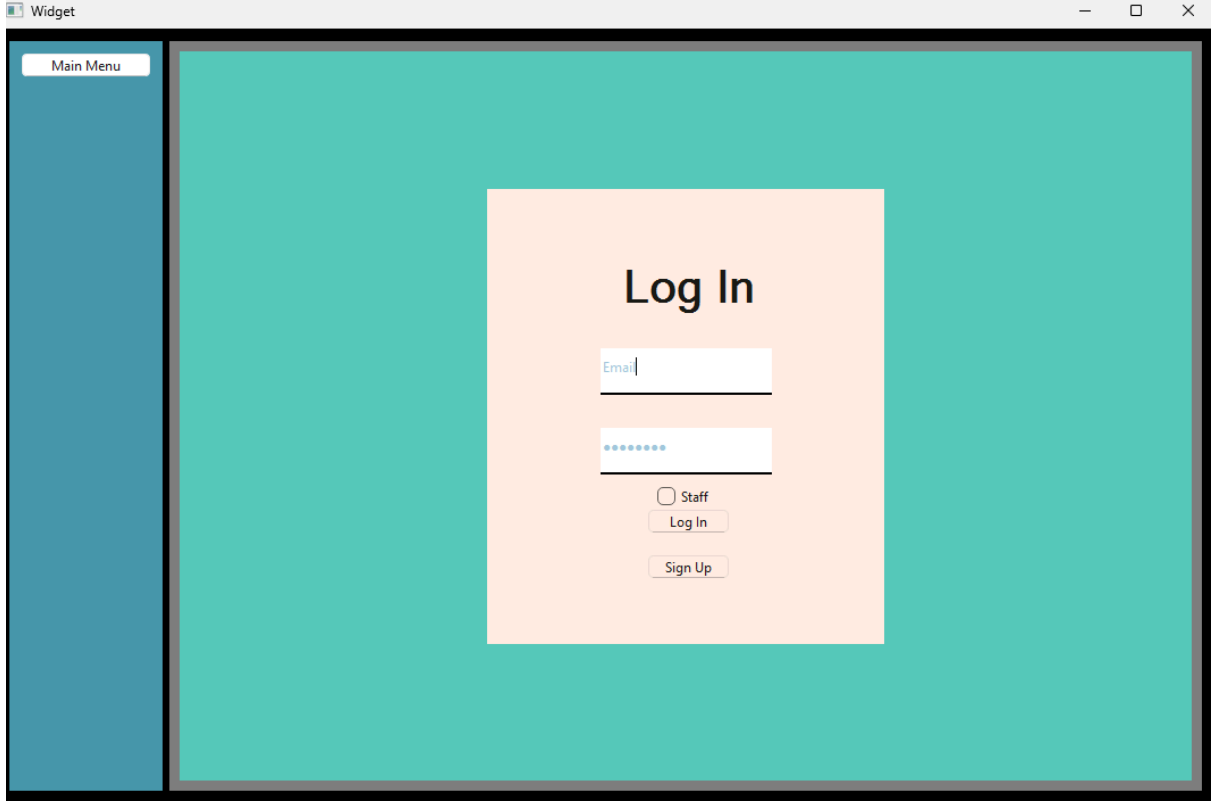


Şekil 1.



Şekil 2.

3. UYGULAMA GÖRÜNTÜLERİ



The image shows a web application window titled "Widget" with standard window controls (minimize, maximize, close). The application has a dark blue sidebar on the left with a "Main Menu" button. The main content area has a teal background. In the center, there is a light orange rectangular box containing a "Log In" form. The form includes a title "Log In", an "Email" input field, a password input field with blue dots, a radio button labeled "Staff", and two buttons: "Log In" and "Sign Up".

Widget

Main Menu

Log In

Email

.....

☐ Staff

Log In

Sign Up

Widget

Main Menu

Sign Up

Doküman

Denemesi

mail

...

9878787878

Sign Up

Back

Widget

Main Menu

Books

Loans

Info

First Name:

Doküman

Last Name:

Denemesi

Membership:

Normal

Registration Date:

2025-03-09

Phone:

9878787878

Email:

mail

Widget

Main Menu

Books

Loans

Book Name:

Author Name:

Search

Category

☐ All

☐ Romance

☐ Horror

☐ Fantasy

☐ Travel

☐ Short Story

☐ History

☐ Science Fiction

☐ Adventure

Year

Between

1.01.2000

^

v

1.01.2000

^

v

Filter

Widget

Main Menu

Books

Loans

Loan Create

Book ID:

Create

Loan Remove

Loan ID:

Remove

Loans

Show All Loans

Widget

Main Menu

Books

Loans

Book Name:

Author Name:

Search

Category

☐ All
 ☐ Romance
 ☐ Horror
 ☐ Fantasy
 ☐ Travel
 ☐ Short Story
 ☐ History
 ☐ Science Fiction
 ☐ Adventure

Year

Between

1.01.2000

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1.01.2000

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Filter

	Title	Author Name	Last Name	Year	Category
1	Pride and Prejudice	Jane	Austen	1813	Romance
2	Sense and Sensibility	Jane	Austen	1811	Romance
3	Emma	Jane	Austen	1815	Romance
4	The Shining	Stephen	King	1977	Horror
5	It	Stephen	King	1986	Horror
6	Carrie	Stephen	King	1974	Horror
7	Dracula	Bram	Stoker	1897	Horror
8	Frankenstein	Mary	Shelley	1818	Horror
9	The Hobbit	J.R.R.	Tolkien	1937	Fantasy
10	The Lord of the Rings	J.R.R.	Tolkien	1954	Fantasy
11	Harry Potter and the Sorcerer's Stone	J.R.R.	Tolkien	1997	Fantasy
12	The Great Railway Bazaar	Paul	Theroux	1975	Travel
13	Dark Star Safari	Paul	Theroux	2002	Travel
14	The Tell-Tale Heart	Edgar	Poe	1843	Short Story
15	The Black Cat	Edgar	Poe	1843	Short Story
16	The Lottery	Edgar	Poe	1948	Short Story
17	Sapiens	Yuval	Harari	2011	History
18	Homo Deus	Yuval	Harari	2016	History
19	Guns, Germs, and Steel	Yuval	Harari	1997	History
20	Enigmas	Yuval	Harari	1994	Science Fiction