



Online Clinic Appointment System

Medicare ©

This comprehensive online clinic appointment system streamlines the patient experience, allowing for seamless scheduling, profile management, and payment

- all from the convenience of their preferred device.

Project Overview

Modernize Workflow

Automate and simplify appointment scheduling, patient information management, and payment processing for healthcare providers.

Enhanced Patient Experience

Offer patients a user-friendly platform to conveniently book appointments, access their profiles, and make payments.

Robust Data Management

Utilize a secure MySQL database to store and manage patient information and appointment details.

Scalable Solution

Built with Python and Tkinter, the system can easily adapt to the growing needs of healthcare organizations.



Key Functionalities

User Authentication

Secure login system for patients and staff to access personalized features.

Appointment Management

Intuitive scheduling, rescheduling, and cancellation of appointments.

Patient Profiles

Comprehensive patient records, including medical history and contact information.



Made with Gamma



Sople armergtlim



Technology Stack

Language

Python

GUI Framework

Tkinter

Database

MySQL

```
mysql> desc users;
```

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	
username	varchar(50)	NO		NULL	
password	varchar(10)	NO		NULL	
contact	varchar(100)	YES		NULL	
address	varchar(25)	YES		NULL	
blood_group	varchar(3)	YES		NULL	

```
6 rows in set (0.00 sec)
```

```
mysql> desc specialities;
+-----+-----+-----+-----+-----+
| Field          | Type       | Null | Key  | Default | Extra |
+-----+-----+-----+-----+-----+
| speciality_id | int        | NO   | PRI  | NULL    |        |
| speciality_name | varchar(50) | NO   |      | NULL    |        |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> desc doctors;
```

Field	Type	Null	Key	Default	Extra
doctor_id	int	NO	PRI	NULL	
name	varchar(50)	NO		NULL	
specialty_id	int	YES	MUL	NULL	
contact	varchar(100)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
mysql> desc appointments;
```

Field	Type	Null	Key	Default	Extra
appointment_id	int	NO	PRI	NULL	
user_id	int	YES	MUL	NULL	
doctor_id	int	YES	MUL	NULL	
appointment_date	date	YES		NULL	
appointment_time	time	YES		NULL	

```
5 rows in set (0.01 sec)
```

```
mysql> desc payments;
```

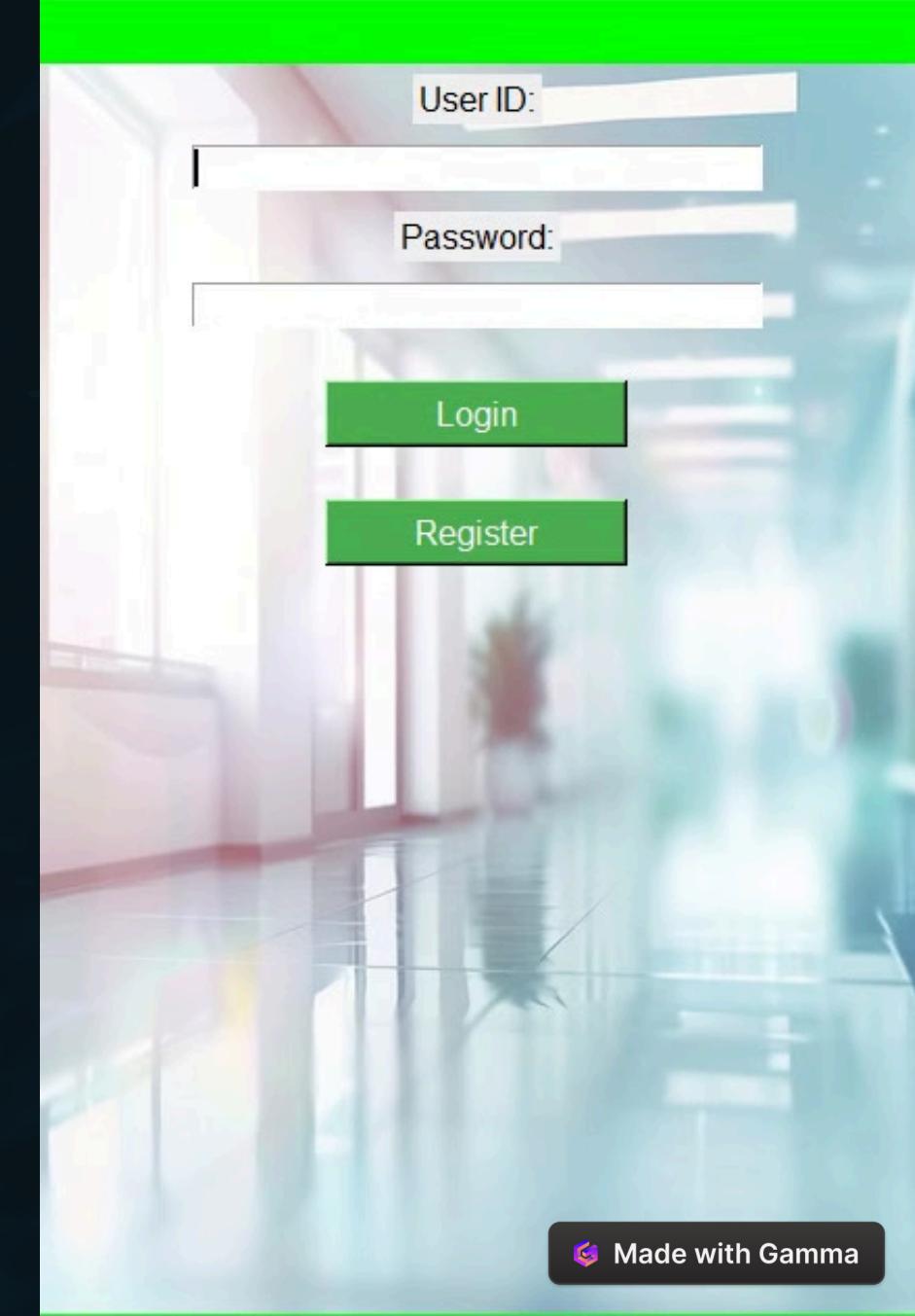
Field	Type	Null	Key	Default	Extra
payment_id	int	NO	PRI	NULL	
appointment_id	int	YES	MUL	NULL	
amount	decimal(10,2)	NO		NULL	
payment_date	date	YES		NULL	
status	enum('paid','pending','failed')	NO		NULL	

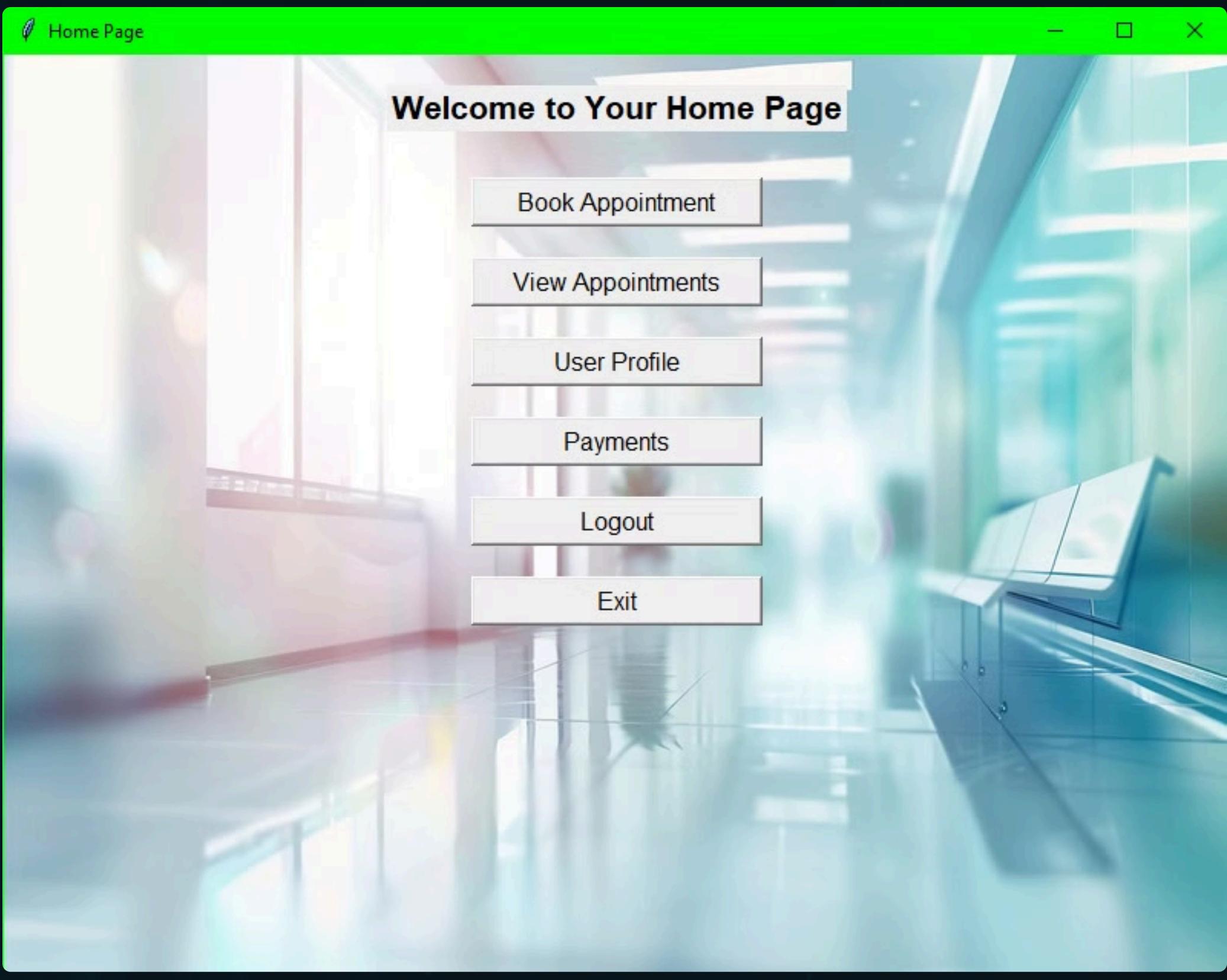
```
5 rows in set (0.00 sec)
```

User Authentication

1 Patient Registration

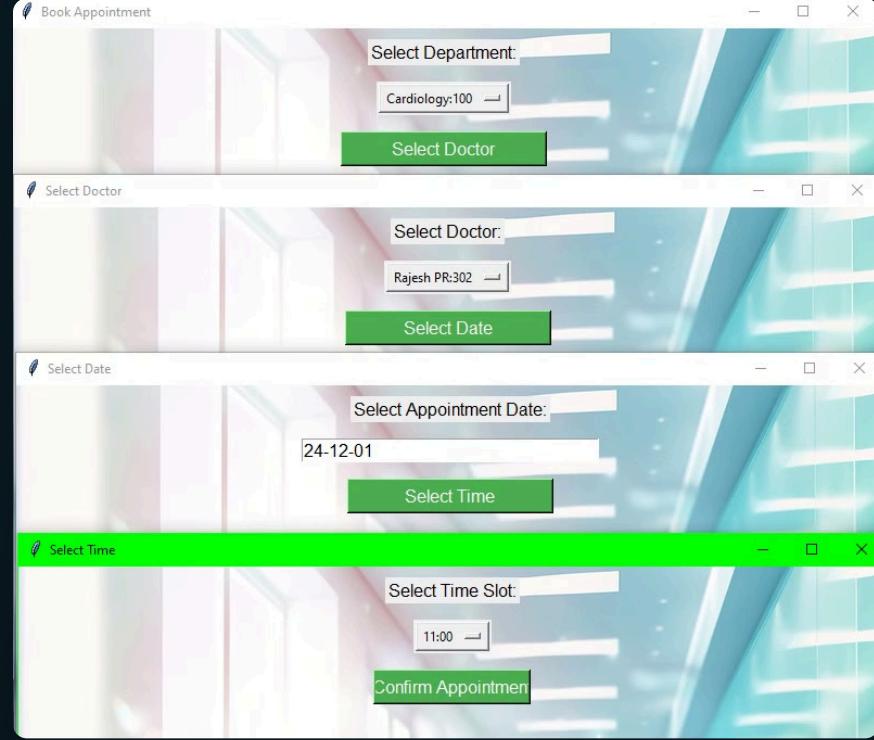
Patients can create secure accounts with unique login credentials.





Appointment Management

Book Appointment

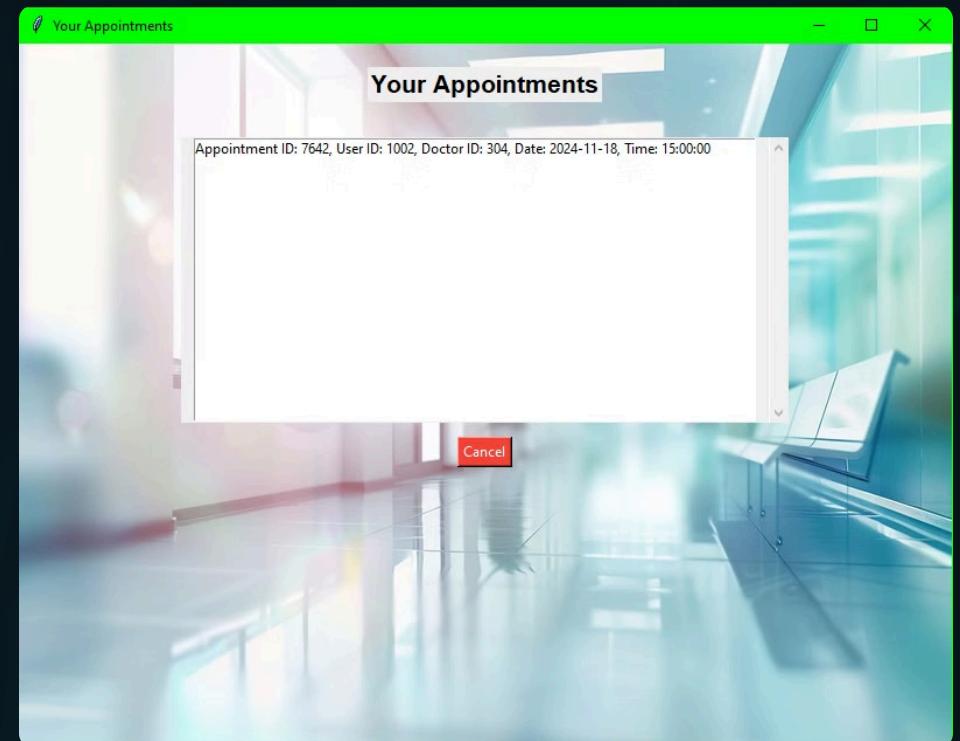


Patients can easily select available slots and book appointments.

1

2

Manage Appointments



Patients can view, or cancel their upcoming appointments.

User Profiles

Personal Details

Patients can update their contact information, insurance details, and emergency contacts.

User ID: 1002

Username: Alan Biju

Password: *****

Contact: 7025371766

Address: Mookkanoor

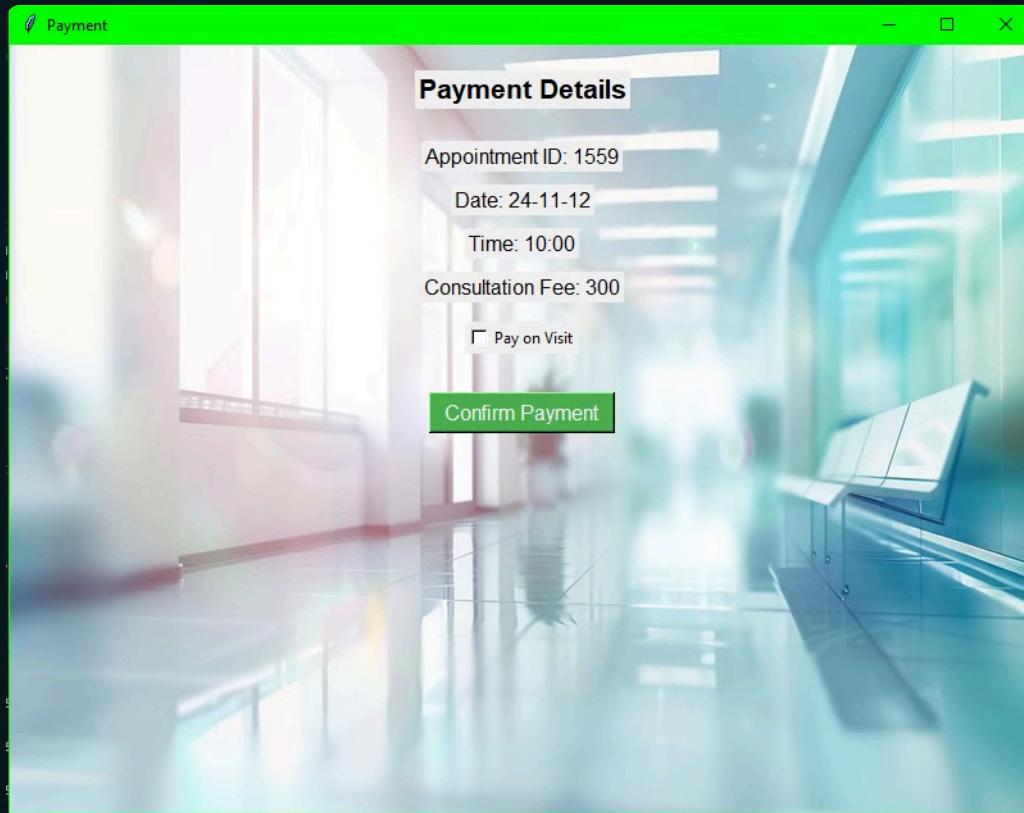
Blood Group: A+

Confirm

Payment Processing



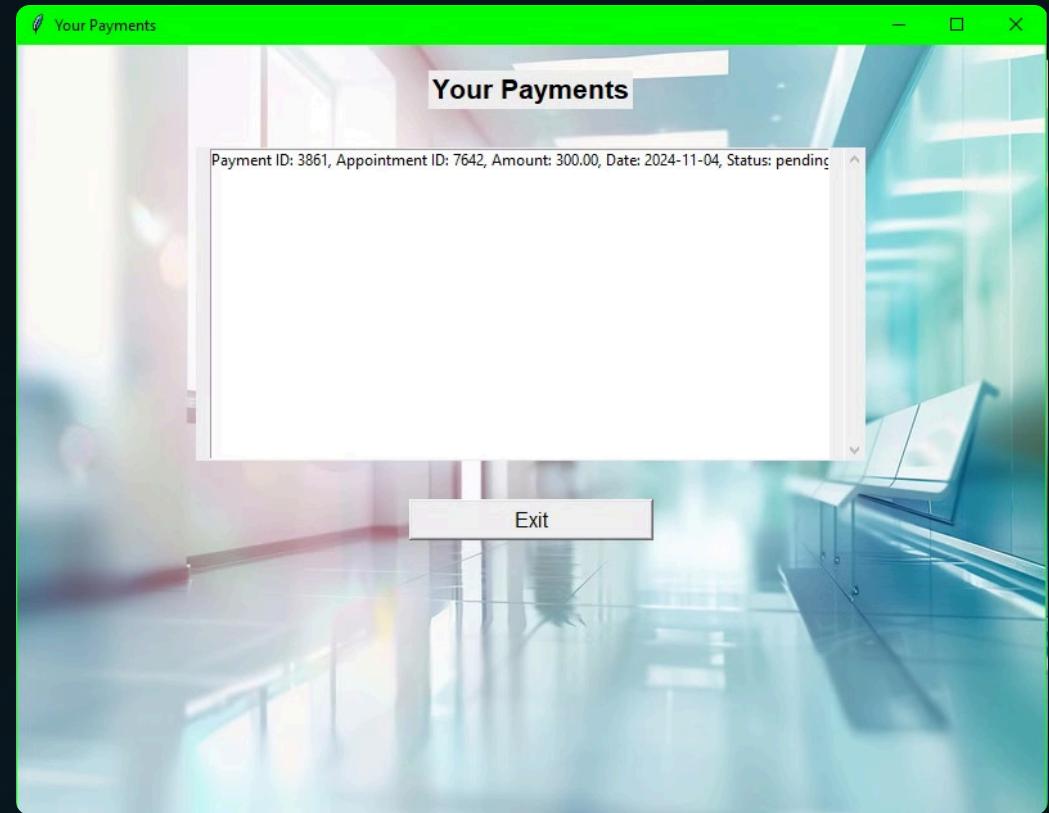
Secure Payments



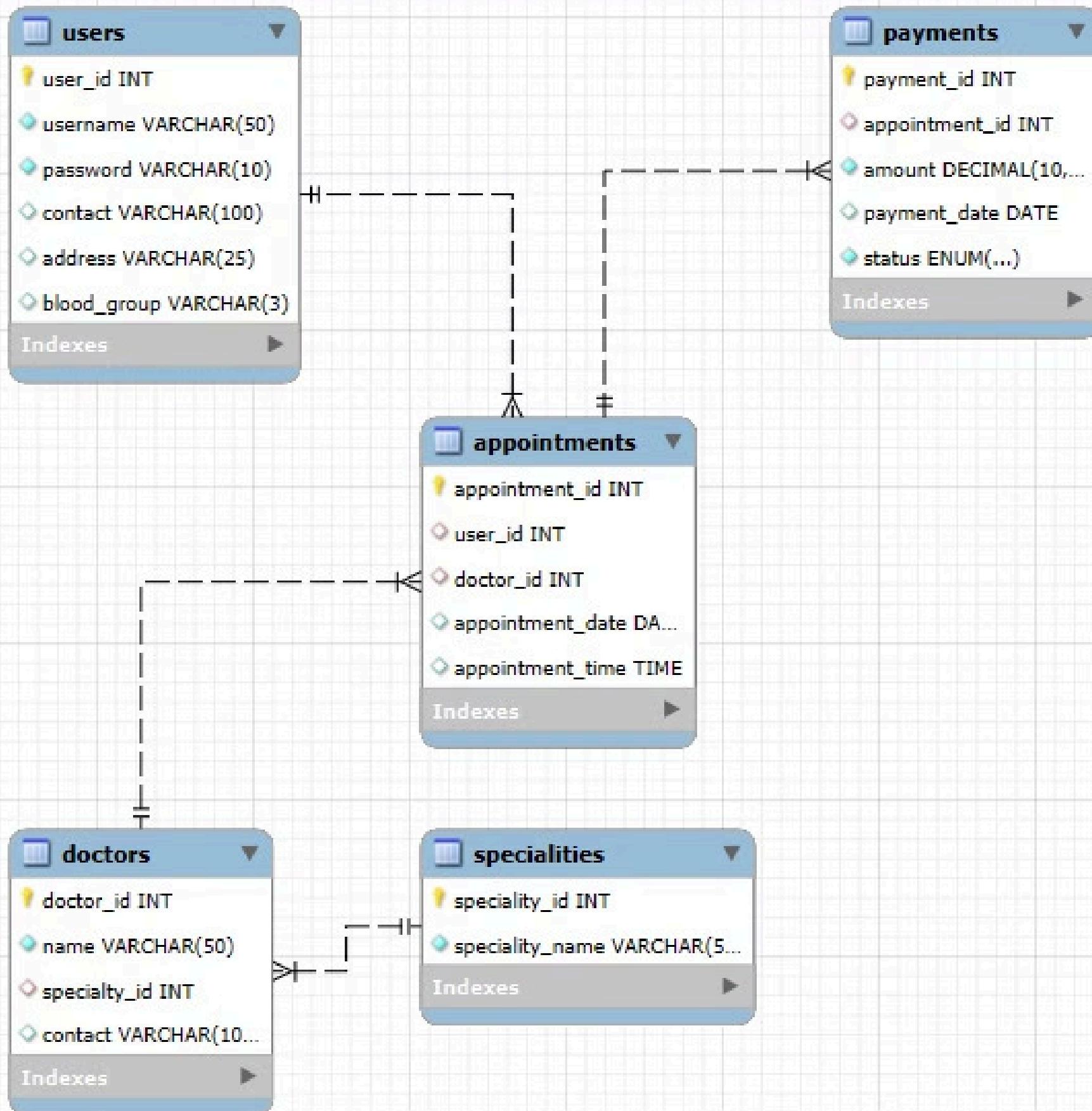
Patients can make payments for their appointments.



Transaction History



Patients can view transaction records.



Benefits

1

Improved Efficiency

Streamlined appointment scheduling and record-keeping for healthcare providers.

2

Enhanced Patient Satisfaction

Convenient and user-friendly platform for patients to manage their healthcare needs.

3

Secure Data Management

Robust database integration to protect sensitive patient information.



Ideal for Healthcare Providers

Modernize Operations

Automate and streamline appointment scheduling, patient records, and payment processing.

Enhance Patient Care

Provide a seamless and convenient experience for patients to manage their healthcare needs.

Scalable Solution

The system can easily adapt to the evolving needs of healthcare organizations of all sizes.

Thank you...

DBMS Mini Project

Title: Online Clinic Appointment System

Batch: 7

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S5 CSE A

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