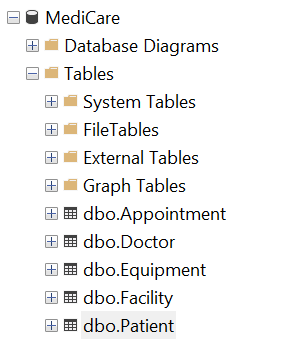
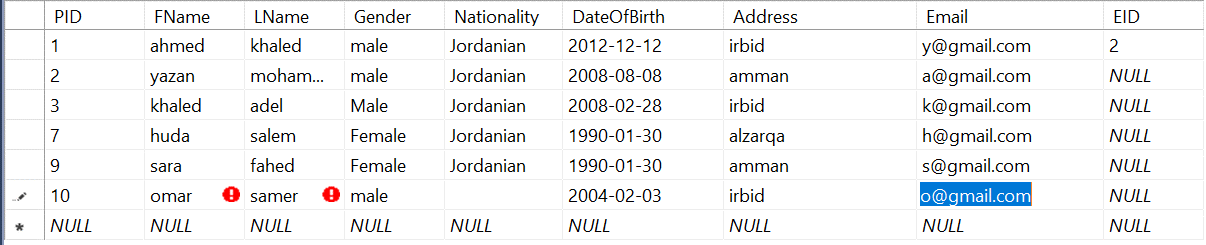
# Test Plan

**MediCare**

1. **Database Testing**

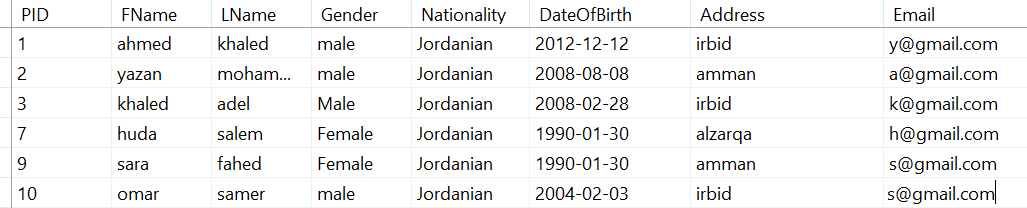




**• If the member does not fill the nationality, it is filled with "Jordanian" by default.**

A screenshot of a computer

Description automatically generated

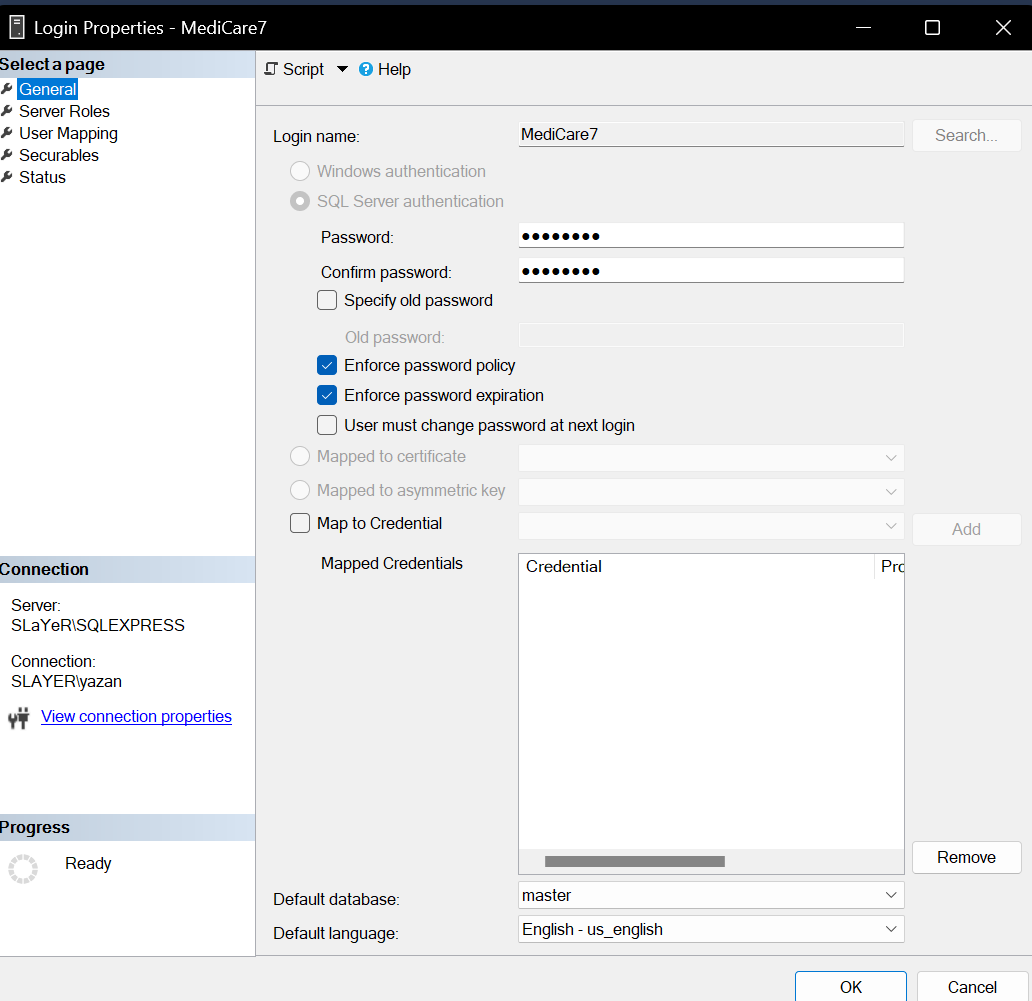


**• Not to register any two customers with the same email.**

A screenshot of a computer error message

Description automatically generated

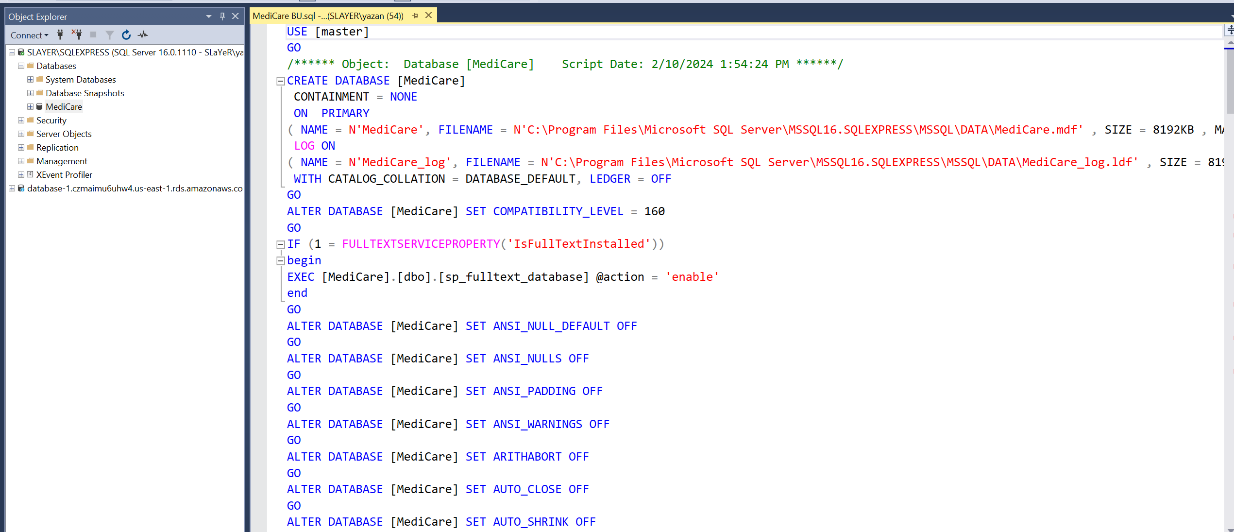
**• Requires a password for security.**



A screenshot of a computer

Description automatically generated

**• Requires a backup.**



1. **Functional Testing**

**User Requirements:**

**The possibility of registering patients for an account with unique identifiers (email, password) to access the system.**

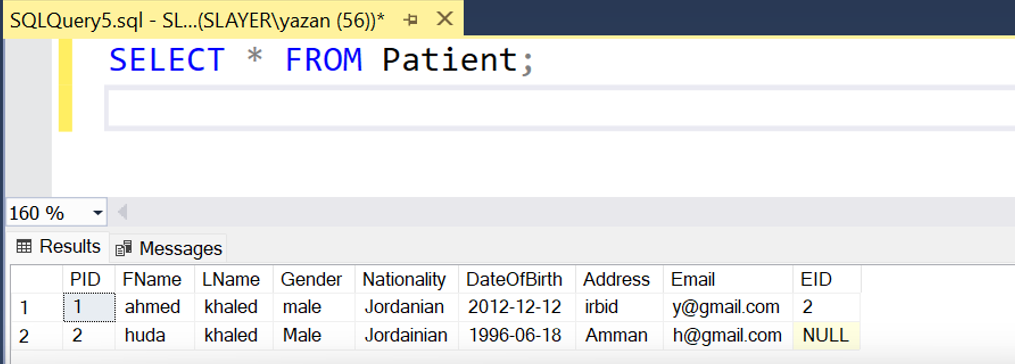
**A secure login process that ensures confidentiality and data security.**

A screenshot of a login screen

Description automatically generated

**The ability to update and manage personal information (name, contact details, address, nationality, date of birth) of patients.**

**before**

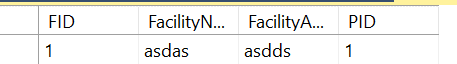


**Go away**

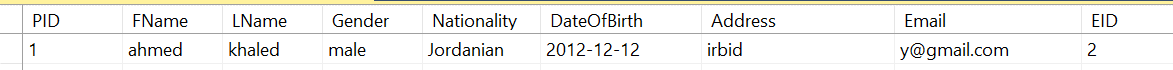
A screenshot of a computer

Description automatically generated

**The ability to book a facility for specific medical purposes.**

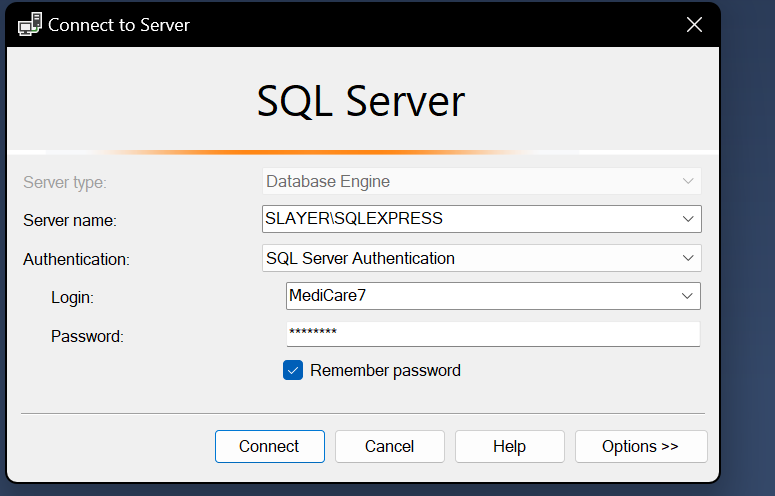


**Patients' ability to use and reserve specific equipment and access information about available medical equipment.**





**Ensure that personal data is secure and not accessible to unauthorized individuals**



**Confirm data backups for reliability**

A screenshot of a computer

Description automatically generated

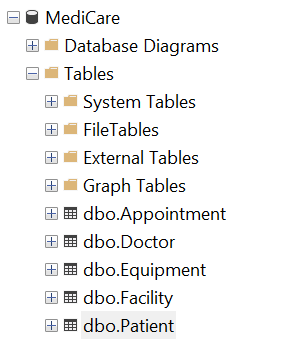
**System Requirements:**

**Secure login system with encrypted password storage**

A screenshot of a login screen

Description automatically generated

**A centralized database to store patient information, doctor details, nurse and staff details, facility information, and equipment data.**



**Unique identifiers (IDs) for patients, doctors, facilities and equipment for efficient data retrieval**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Validations to ensure data integrity for example, unique email constraint, mandatory fields.**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Regular and automated data backup to prevent data loss in case of system failure or data corruption.**

A screenshot of a computer

Description automatically generated

**System logic to ensure that the default values of the nationality "Jordanian" are set when the necessary data is not provided**

A table with numbers and letters

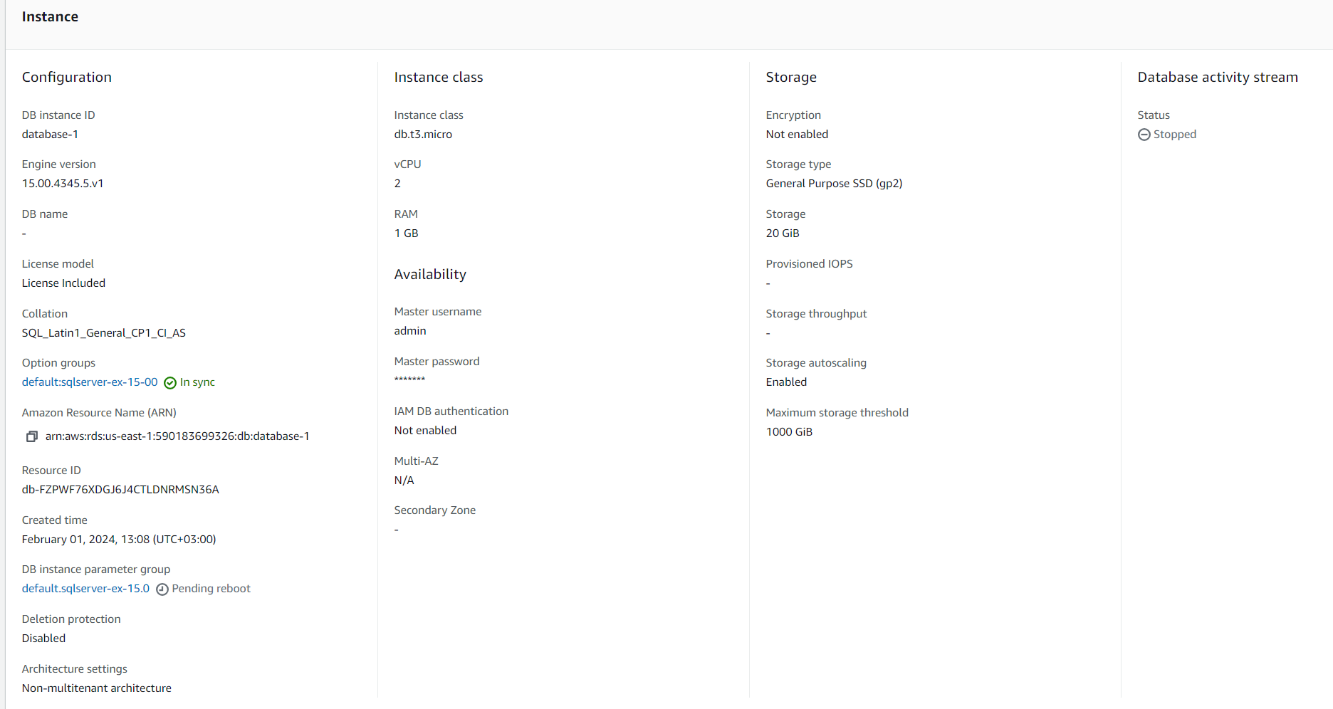
Description automatically generated

A screenshot of a computer

Description automatically generated

1. **Cloud Database System Testing**

**Configuration**



**Back up every week**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**CloudWatch to ensure everything is doing good.**

A screenshot of a computer screen

Description automatically generated

**System Notes**

A screenshot of a computer

Description automatically generated

**Security**

Virtual Private Cloud (VPC): The database resides within the finely configured AWS Virtual Private Cloud (VPC). This strategic decision ensures that the database is protected within a private network, limiting access to it exclusively on authorized entities. VPC setup acts as a secure area, protecting sensitive healthcare data from unauthorized access.

A screenshot of a computer

Description automatically generated