

# Mail Database Project

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## **1 Main Entities**

- User (Mailroom Employee)
- Package
- Database
- Database Tables
- Application/System
- Email
- Cadet

## **2 Attributes**

### **2.1 User**

- Username
- Password
- Access Priviledge

### **2.2 Package**

- Tracking Number
- Addressee
- Address

### **2.3 Database**

- Name
- Filepath
- Sqlite3 Connection
- Sqlite3 Cursor
- Tables

## 2.4 Table

- Properties
- Name

## 2.5 Email

- Addressee
- Subject
- Content

## 2.6 System

- GUI state
- User

## 2.7 Cadet

- Name
- Email
- Box Number
- Graduation Date

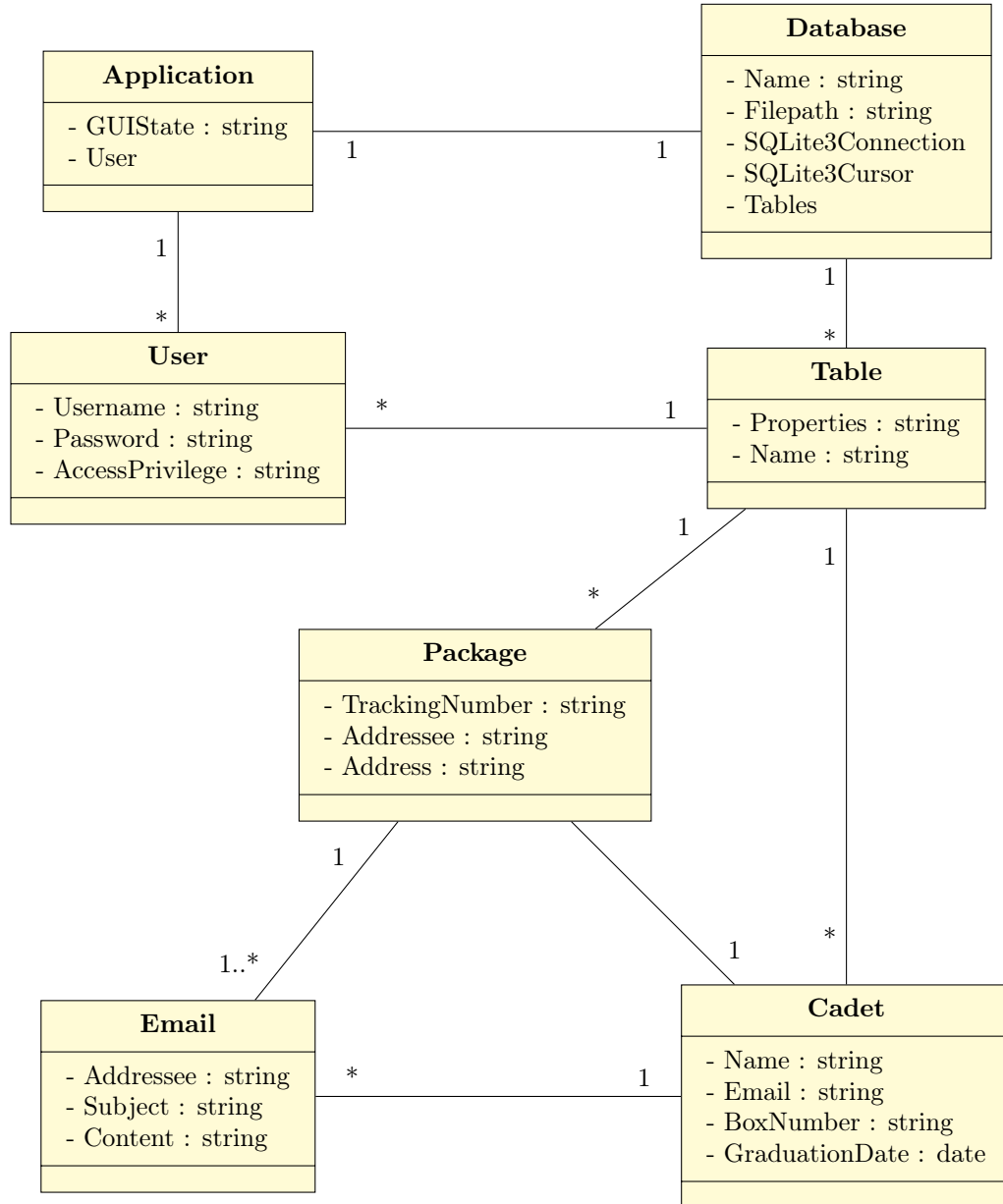
# 3 Relationships

A single database will contain several tables. A single table will contain several Cadets. A single table will contain several packages. A single table will contain several users. A single cadet can be associated with several packages. A single cadet can receive several emails. A single package can be associated with several emails. A single application can be associated with several users. A single application is associated with at least 3 database tables.

# 4 Constraints

???

## 5 Domain Model





## 6 Class Diagram

