Mail Database Project

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Main Entities

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

Attributes

User

- Username
- Password
- Access Priviledge

Package

- Tracking Number
- Addressee
- Address

Database

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

Table

- Properties
- Name

Email

- Addressee
- Subject
- Content

System

- GUI state

Cadet

- Name
- Email
- Box Number
- Graduation Date

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.

Constraints

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Domain Model

Class Diagram