Hans Louie Castro FrontDeskApp
Documentation version 1.0

This application operates using a local SQLite JDBC database which enables users to make selections and execute queries. The application mainly handles package storage and retrieval tasks within defined storage areas, and also effectively assesses available space across various storage zones.

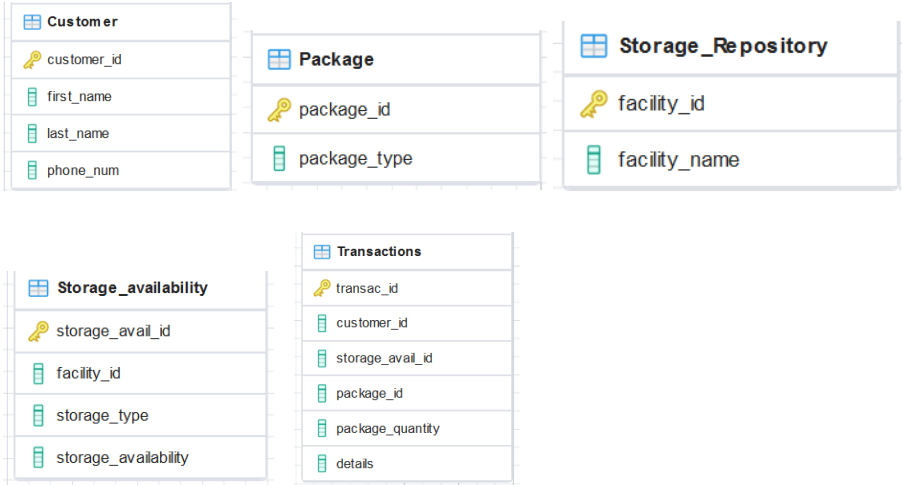
IDE used: NetBeans 15
Java Version used: Java 19

Dependencies used:

- SQLite JDBC version 3.42

Checklist

- ✓ Requirement 1
  - Allocates an available storage to a customer
- ✓ Requirement 2
  - Check for storage type availability in different areas
    - Can only accept small to small, medium to medium, large to large (I programmatically allotted the package size according to its storage)
  - Checks for available storage (will not store if not enough space)
- ✓ Requirement 3
  - Created a transaction log in allocating a storage (store.txt) and retrieving the package information (access.txt)
- ✓ Bonus #1
  - Created 2 types of views
    - Accommodate availability of storage types
    - Accommodate availability of storage types according to storage areas
- ✓ Bonus #2
  - Used SQLite for the relational database.
  - Tables



Notes

- Some Tables in the database has been initially populated with data using the (data.txt).

	package_id	package_type
	Filter	Filter
1	1	Small
2	2	Medium
3	3	Large

	facility_id	facility_name
	Filter	Filter
1	1	Facility_1
2	2	Facility_2
3	3	Facility_3

	storage_avail_id	facility_id	storage_type	storage_availability
	Filter	Filter	Filter	Filter
1	1	1	Small	15
2	2	1	Medium	10
3	3	1	Large	12
4	4	2	Small	25
5	5	2	Medium	20
6	6	2	Large	15
7	7	3	Medium	10
8	8	3	Large	12

- In Facility: **Facility_3,** there is **no *Small*** storage_type.
- Storage_type is **case-sensitive**.
- **No validation** if whether the inputs **in customer information** is valid (no special symbols, phone number validation)