

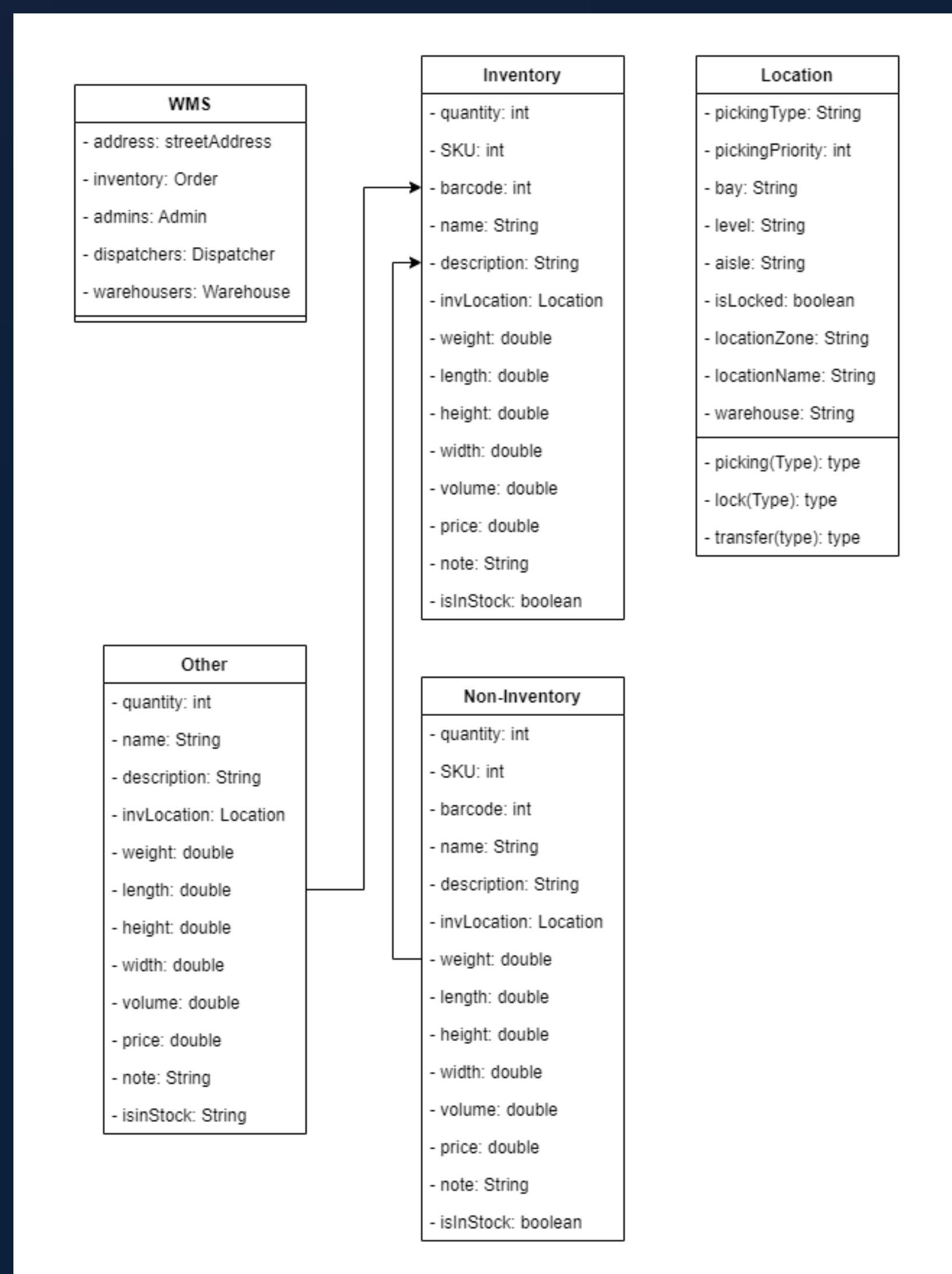
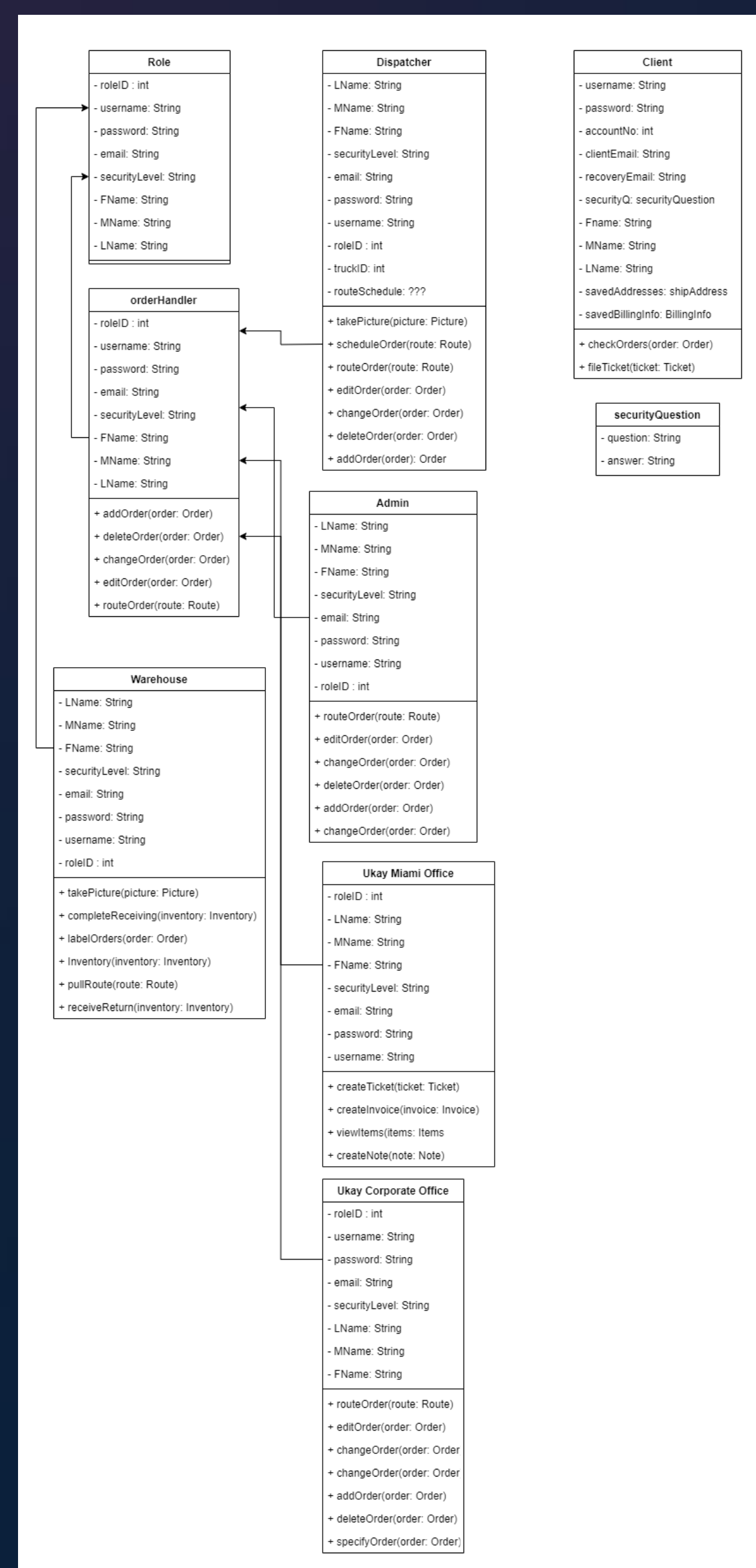
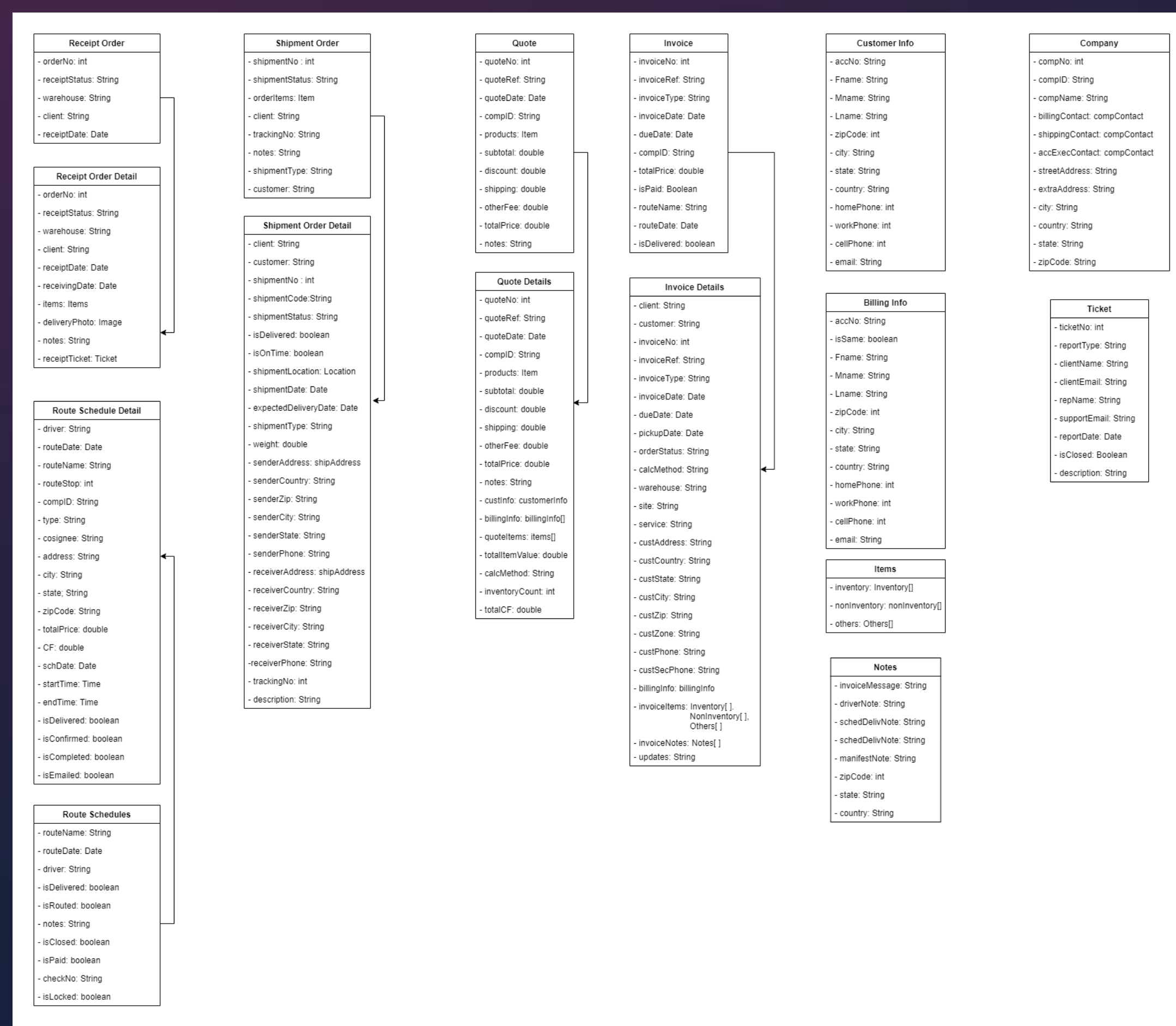
Warehouse Management System

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OBJECT RELATIONSHIPS



Our UML diagrams show the relationships various objects in our code as well as the attributes each one requires. The detail objects have all the attributes that need to be inputted for the warehouses' side and the inheriting object condenses the detailed view into most important attributes.

Properly planning our objects and attributes as well as their relationships aided in creating the tables on the SQL side as well as where foreign keys would be included. Reducing repeating attributes would make the program more efficient as our program can auto generate information if it matches the data stored in the database.

Although we created UML diagrams for all the roles in Ukay Delivery, these were not integrated in our iteration as we focused on the “Shipment” and “Receiving” functions. They show all the possible methods and attributes each role would require.

UI Mockups

The initial design for the Invoice creation page, specifically for inputting the “Shipping & Billing Information.” We wanted to the UI to be minimal and easy to view as well as mark if the “Billing Address” is the same as the “Shipping Address” for user QOL. Likewise, the Items page can search for items that are registered in the database and add them to the invoice.

The following screenshot is the mockups of the “Company” and “Inventory” tables. It displays the condensed versions of the tables with sufficient margin space to make it easier to view. The pages would only display a certain number of entries at once to avoid loading all entities and increasing the computational resources required. We intended for the detailed views to show if the user double clicked on the row. The “Add,” “Delete”, and “Edit” functions would only be available for certain users.

Invoice

Company

Route

Add

Delete

Edit

Import

Export

Print

Search

Quotes

Invoices

Shipped Invo

New Invoice

Shipping & Billing Info

Items

Notes

Update Log

Shipment Information

Client*

Customer*

Order Status*

Order Type*

Start

Warehouse*

Service

Call Method

Customer Address

Country

City

State

Zip

Zone

Primary Phone #*

Secondary Phone #*

Billing Information

Same as Shipping Information

Client*

Customer*

Customer Address*

Country

City

State

ZIP Code

Zone

Primary Phone #*

Secondary Phone #*

Email*

Add

Cancel

[illegible]

RESOURCES



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