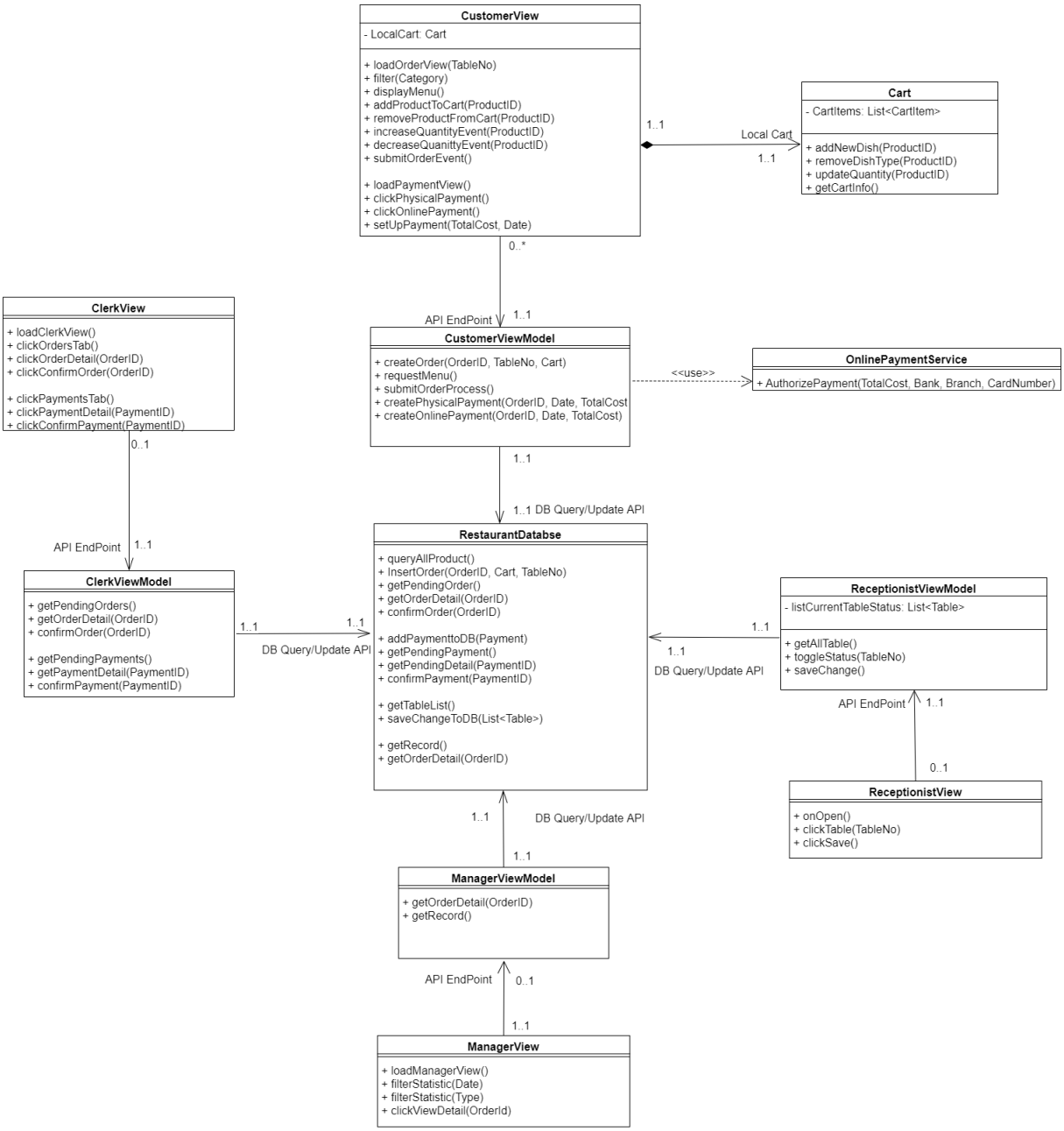
Class Diagram

We have drawn the activity diagram representing the flow of the work inside the system. Now we establish the class diagram in order to have a closer look at how the system is organized. Below is how the class diagram representing the system:



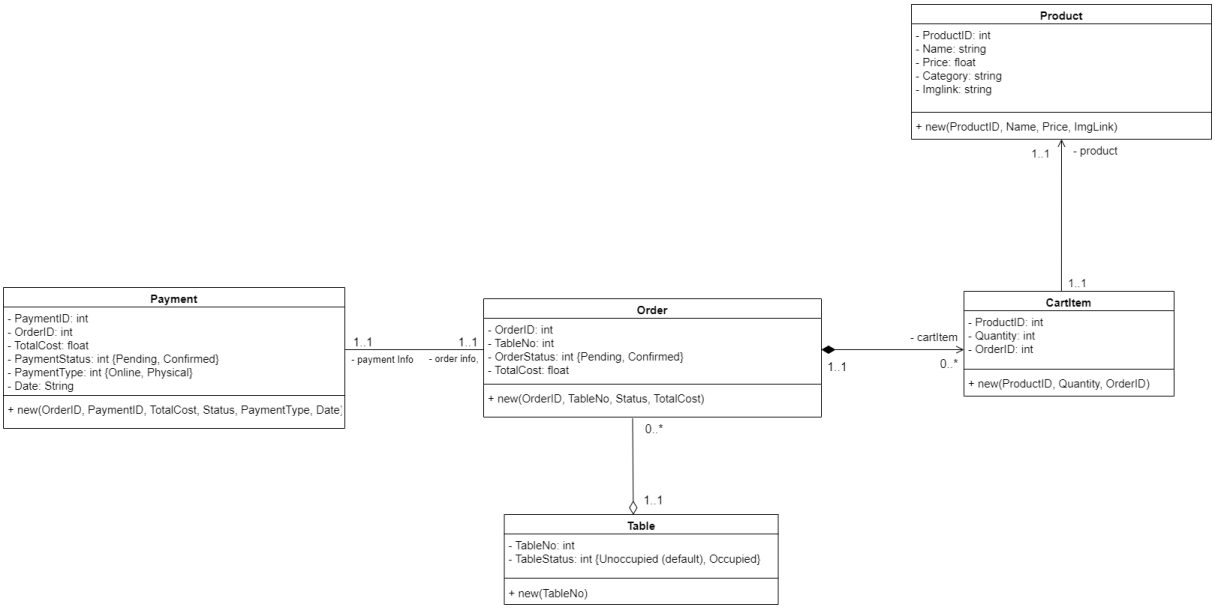
Class Diagram (Link image - Class Diagram)

The First Class Diagram presents all the active components that control the flow of the system, the association between components and the multiplicity of that relationship.

The diagram has simplified the structure of the system by combining multiple UI into 4 Class Views to interact with each type of Actors: Customer, Clerk, Manager, Receptionist.

Each View will call APIs provided by each corresponding ViewModel to access the database, and Each ViewModel will query or modify the database through APIs given by the Models.

There are addition auxiliary components such as the Cart Class owned by Customer View to handle the logic of the Orders' Cart in client side, or The Online Payment Service Class to authenticate and process Online Payment



Class Diagram - Data Class (Link image - Class Model)

The second Class Diagram presents all the Data Class for each relation stored in the Database, the multiplicity of each association between each relation, the properties for relation table.