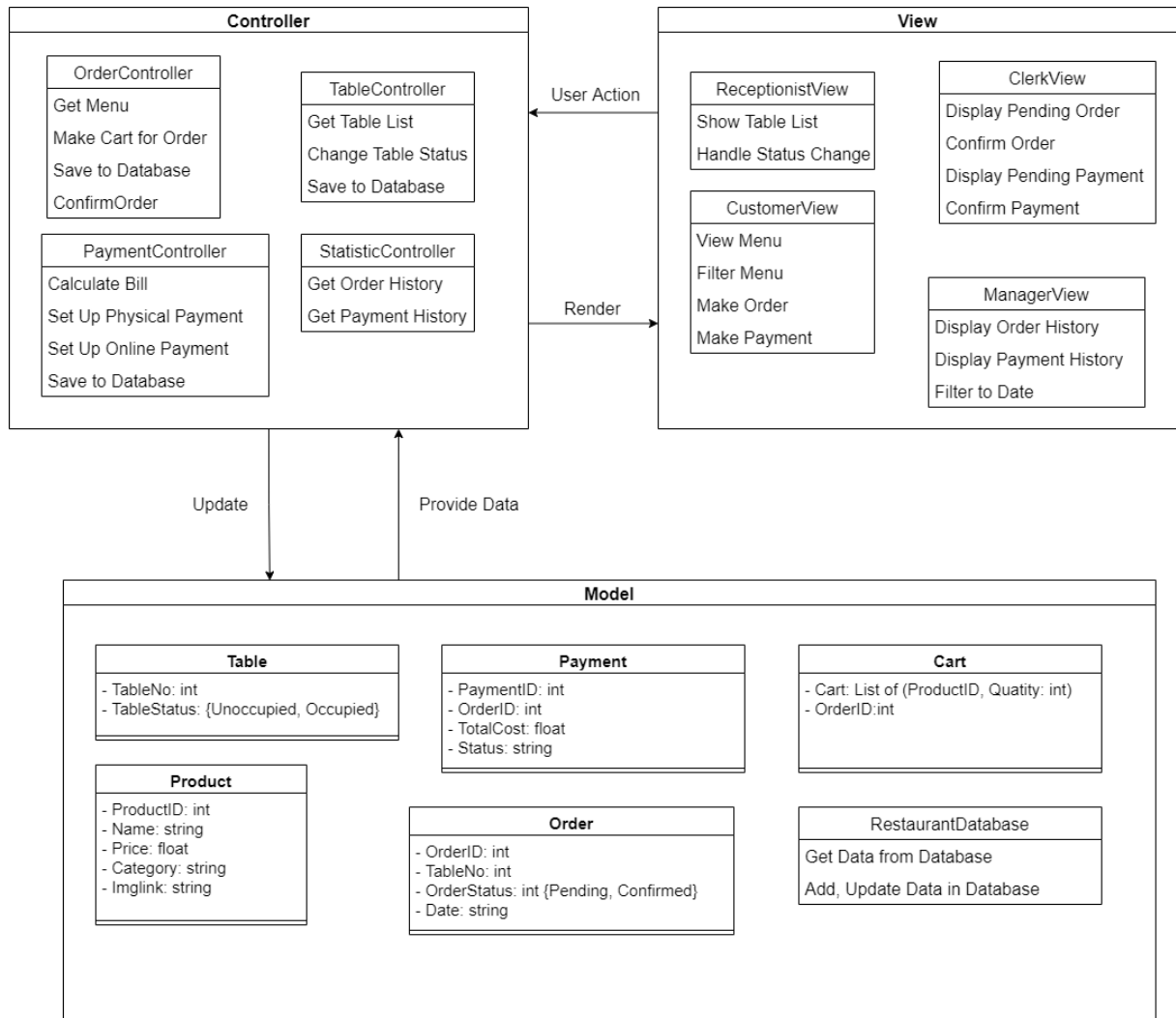


Architecture design

1. General architecture



In designing our application, our group chooses the MVC architecture

Visit this url, click on tab “General Architecture” to see the diagram better:

https://drive.google.com/file/d/1t50r_K9CmGWyY3GQCv1Z_rmOE-OCvZEA/view?usp=sharing

View: Application has 4 different views:

- +) Customer View: For customers in the restaurant want to make orders and payment
- +) Receptionist View: For the receptionist to use Table Management Feature

+) Clerk View: For the clerk to receive and confirm pending physical payments and orders

+) Manager View: For the manager to use View Statistic Feature

Controller: Application has 4 different Controller, each is responsible for each type of model and provide service and data queried from Model to different View

Model: Application has 5 type of Model (Table, Payment, Cart, Product, Order) and a Restaurant Database class to query data from / to Restaurant Database

- Table: this will have a Table Number as key, and Table Status to indicate whether that table is available or occupied
- Payment: this will have a Payment ID as key, as well a Order ID for the Order, the TotalCost for the value of the Payment, Status for Pending and Confirm Status
- Order: this will have a Order ID as key, Table No for which table the order is made, Order Status for Pending and Confirm Status, and Date for the date the order was made
- Product: this will have ProductID as key, the Name of the Product, Price of the Product, Category for which this product belongs to and ImgLink for Image of the Product
- Cart: this will have both ProductID and OrderID to store which Order have which Product with which quantity