Nama: Demosa Guardy Nugroho

NIM: 2309106026

DineInReservation.java

```
package model;
      private String customerName;
      private String reservationDate;
      public Reservation(int id, String customerName, String reservationDate) {
           this.customerName = customerName;
           this.reservationDate = reservationDate;
      public String getCustomerName() {
          return customerName;
      public void setCustomerName(String customerName) {
          this.customerName = customerName;
         return reservationDate;
      public void setReservationDate(String reservationDate) {
          this.reservationDate = reservationDate;
          return "ID: " + id + ", Nama: " + customerName + ", Tanggal: " + reservationDate;
      public abstract String getReservationType();
      @Override
```

TakeAwayReservation.java

ReservationService.java

```
package service;

import model.*;

import java.util.ArrayList;

public final class ReservationService {
    private ArrayList(Reservation) reservations = new ArrayList();
    private int idCounter = 1;

public void addOinenIn(Sing customerName, String reservationDate, int tableNumber, int guests) {
    reservations.add(new DineInReservation(idCounter++, customerName, reservationDate, tableNumber, guests));
    System.out.println("Reservasi Dine-In berhasil ditambahkan!");
}

public void addTakeAway(String customerName, String reservationDate, String pickupTime) {
    reservations.add(new TakeAwayReservation(idCounter++, customerName, reservationDate, pickupTime));
    System.out.println("Reservasi Take-Away berhasil ditambahkan!");
}

public void viewReservations() {
    if (reservations.isEmpty()) {
        System.out.println("Belum ada reservasi.");
    } else {
        for (Reservation r : reservations) {
            System.out.println("Pellum ada reservasi.");
        }
    }

public void deleteReservation(int id) {
        reservations.removeF(r -> r.getId() == id);
        System.out.println("Reservasi berhasil dihapus!");
}
}
```

```
import service.ReservationService;
import java.util.Scanner;
   public static void main(String[] args) {
        ReservationService service = new ReservationService();
           System.out.println("\n=== Sistem Reservasi Restoran ===");
            System.out.println("1. Tambah Reservasi Dine-In");
           System.out.println("2. Tambah Reservasi Take-Away");
System.out.println("3. Lihat Semua Reservasi");
            System.out.println("4. Hapus Reservasi");
            System.out.println("5. Keluar");
            System.out.print("Pilih menu: ");
                case 1:
                    System.out.print("Nama Pelanggan: ");
                    String name1 = scanner.nextLine();
                    System.out.print("Tanggal Reservasi (YYYY-MM-DD): ");
                    String date1 = scanner.nextLine();
                    System.out.print("Nomor Meja: ");
                    int guests = scanner.nextInt();
                     service.addDineIn(name1, date1, table, guests);
                    break;
                    System.out.print("Nama Pelanggan: ");
                    String name2 = scanner.nextLine();
                    System.out.print("Tanggal Reservasi (YYYY-MM-DD): ");
                    System.out.print("Waktu Ambil (HH:MM): ");
                    String pickupTime = scanner.nextLine();
                    service.addTakeAway(name2, date2, pickupTime);
                    break;
                    service.viewReservations();
                    break;
                case 4:
                    System.out.print("ID Reservasi yang dihapus: ");
                    service.deleteReservation(deleteId);
                    break:
                    System.out.println("Terima kasih telah menggunakan sistem reservasi.");
                    System.out.println("Pilihan tidak valid. Coba lagi.");
```