Nama: Raihanfitri adi kalipaksi

Nim: 2309106096

Screen Shoot program

## Main.java

```
import java.util.Scanner;
import model.Barang;
import model.Catatan_pembayaran;
import model.Catatan_pengiriman;
import model.Driver:
   ublic class Main []

public static final int MAX_BARANG = 100;

public static final int MAX_PENGIRIMAN = 100;

public static final int MAX_PENBAYARAN = 100;
        public static final int MAX_CUSTOMERS = 100;
public static final int MAX_DRIVERS = 100;
       public static final int MAX_DEFIVERS = 100;

static Customer[] customers = new Customer[MAX_CUSTOMERS];

static Driver[] drivers = new Driver[MAX_DRIVERS];

static Barang[] daftarBarang = new Barang[MAX_BARANG];

static Catatan_pengiriman[] daftarPengiriman = new Catatan_pengiriman[MAX_PENGIRIMAN];

static Catatan_pembayaran[] daftarPenbayaran = new Catatan_pembayaran[MAX_PEMBAYARAN];

static int customerCount = 0;
        static int driverCount = 0;
static int barangCount = 0;
        static int pengirimanCount = 0;
        static int pembayaranCount = 0;
static int session_user = -1;
                Scanner scanner - new Scanner(System.in);
                       String pilihan - scanner.nextLine();
switch (pilihan) {
   case "1" -> login();
   case "2" -> {
                                          System.out.println("--
                                        System.out.println("| Register Menu
System.out.println("| 1. Register Customer
System.out.println("| 2. Register Driver
System.out.println("| 3. Kembali
System.out.println("|
                                          System.out.print("pilih Menu : ");
String pilihan2 = scanner.nextLine();
switch (pilihan2) {
                                               case "1" -> registerCustomer();
case "2" -> registerDriver();
case "3" -> System.out.println("Kembali ke Menu Utama");
default -> System.out.println("Pilihan tidak ada");
                                 case "3" -> {
    System.out.println("Sampai Jumpa!!!");
                                  default -> System.out.println("Pilihan tidak ada");
```

```
public static void tambahCatatanPengiriman(int id_barang, int id_driver) {
    if (driverCount == 0) {
       System.out.println("Catatan pengiriman tidak dapat dibuat karena belum ada driver yang terdaftar.");
        return;
    if (pengirimanCount >= MAX_PENGIRIMAN)
       System.out.println("Maaf, kapasitas catatan pengiriman penuh!");
       return;
    Catatan_pengiriman newPengiriman = new Catatan_pengiriman();
   newPengiriman.setId_pengiriman(pengirimanCount + 1);
   newPengiriman.setId_barang(id_barang);
   newPengiriman.setId_driver(id_driver);
   newPengiriman.setHarga(0);
   newPengiriman.setStatus_pengiriman("Menunggu Driver");
   SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
   String tanggalSekarang = formatter.format(new Date());
    newPengiriman.setTanggal_pengiriman(tanggalSekarang);
    daftarPengiriman[pengirimanCount] = newPengiriman;
   pengirimanCount++;
   System.out.println("Catatan pengiriman berhasil ditambahkan!");
   System.out.println("ID Pengiriman: " + newPengiriman.getId_pengiriman());
   System.out.println("ID Barang: " + newPengiriman.getId_barang());
System.out.println("ID Driver: " + newPengiriman.getId_driver());
   System.out.println("Status: " + newPengiriman.getStatus_pengiriman());
    System.out.println("Tanggal Pengiriman: " + newPengiriman.getTanggal_pengiriman());
```

```
public static void kirimBarang() {
    Scanner scanner = new Scanner(System.in);
    if (driverCount == 0) {
        System.out.println("Pengiriman barang tidak dapat dilakukan karena belum ada driver yang terdaftar.");
    if (barangCount >= MAX_BARANG) [
        System.out.println("Maaf, kapasitas barang penuh!");
    System.out.println("======
    System.out.println("|
    System.out.println("=========
   System.out.print("Masukkan Nama Barang: ");
    String namaBarang = scanner.nextLine();
   System.out.print("Masukkan Alamat Asal: ");
    String alamatAsal = scanner.nextLine();
    System.out.print("Masukkan Alamat Tujuan: ");
    String alamatTujuan = scanner.nextLine();
    Barang newBarang = new Barang();
   newBarang.setId_barang(barangCount + 1);
   newBarang.setNama(namaBarang);
   newBarang.setAlamat_asal(alamatAsal);
   newBarang.setAlamat_tujuan(alamatTujuan);
   newBarang.setId_customer(session_user);
   daftarBarang[barangCount] = newBarang;
   barangCount++;
    System.out.println("Barang berhasil dikirim!");
   System.out.println('ID Barang: " + newBarang.getId_barang());
System.out.println("Nama Barang: " + newBarang.getNama());
System.out.println("Alamat Asal: " + newBarang.getAlamat_asal());
System.out.println("Alamat Tujuan: " + newBarang.getAlamat_tujuan());
    tambahCatatanPengiriman(newBarang.getId_barang(), 0);
```

```
public static void menuCustomer() {
    Scanner scanner = new Scanner(System.in);
    while (true) {
        System.out.println(x:"=========");
        System.out.println(x:"| Menu Customer
                                                                  |");
        System.out.println(x:" | 1. Kirim Barang
System.out.println(x:" | 2. Lihat Kiriman Ongoing
System.out.println(x:" | 3. Lihat Kiriman Selesai
                                                                  |");
                                                                  |");
                                                                  |");
        System.out.println(x:" | 4. Lihat Informasi Akun Anda |");
                                                                  |");
        System.out.println(x:"| 5. Logout
        System.out.println(x:"========");
        System.out.print(s:"Pilih Menu : ");
        String pilihan = scanner.nextLine();
        switch (pilihan) {
            case "1" -> kirimBarang();
            case "2" -> lihatKirimanOngoing();
            case "3" -> lihatKirimanSelesai();
                System.out.println(x:"\nInformasi Akun Anda:");
                    customers[session_user - 1].displayInfo();
                System.out.println(x:"Logout berhasil!");
                return;
            default -> System.out.println(x:"Pilihan tidak ada!");
```

```
public static void lihatKirimanOngoing() {
   Scanner scanner = new Scanner(System.in);
   System.out.println("=======");
   System.out.println("| Pengiriman Ongoing |");
   System.out.println("======"");
   boolean adaPengiriman = false;
   for (int i = 0; i < pengirimanCount; i++) {
        Catatan_pengiriman pengiriman = daftarPengiriman[i];
        if (!pengiriman.getStatus_pengiriman().equals("selesai")) {
            adaPengiriman = true;
           System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
System.out.println("ID Barang: " + pengiriman.getId_barang());
System.out.println("Status: " + pengiriman.getStatus_pengiriman());
System.out.println("Tanggal Pengiriman: " + pengiriman.getTanggal_pengiriman());
            System.out.println("----");
   if (!adaPengiriman) {
       System.out.println("Tidak ada pengiriman yang ongoing.");
   System.out.println("1. Batalkan Pesanan");
   System.out.println("2. Kembali");
   System.out.print("Pilih Menu : ");
   String pilihan = scanner.nextLine();
   switch (pilihan) {
       case "1" -> batalkanPesanan();
case "2" -> System.out.println("Kembali ke menu utama.");
        default -> System.out.println("Pilihan tidak ada!");
```

```
public static void lihatKirimanSelesai() {
   System.out.println("-----");
System.out.println("| Pengiriman Selesai |");
   System.out.println("-----");
   boolean adaPengiriman = false;
    for (int i = 0; i < pengirimanCount; i++) {
       Catatan_pengiriman pengiriman = daftarPengiriman[i];
       if (pengiriman.getStatus_pengiriman().equals("selesai")) {
           adaPengiriman = true;
           System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
          if (!adaPengiriman) {
       System.out.println("Tidak ada pengiriman yang selesai.");
public static void batalkanPesanan() (
   Scanner scanner = new Scanner(System.in);
   System.out.println("=================
   System.out.println("| Batalkan Pesanan |");
System.out.println("-----");
   System.out.print("Masukkan ID Pengiriman yang ingin dibatalkan: ");
   int id_pengiriman = scanner.nextInt();
   scanner.nextLine();
   for (int i = 0; i < pengirimanCount; i++) {
       Catatan_pengiriman pengiriman = daftarPengiriman[i];
       if (pengiriman.getId_pengiriman() == id_pengiriman && pengiriman.getStatus_pengiriman().equals("Menunggu Driver")) {
   for (int j = i; j < pengirimanCount - 1; j++) {</pre>
             daftarPengiriman[j] = daftarPengiriman[j + 1];
           pengirimanCount--;
           System.out.println("Pesanan dengan ID " + id_pengiriman + " berhasil dibatalkan!");
   System.out.println("ID Pengiriman tidak ditemukan atau tidak bisa dibatalkan.");
```

```
public static void lakukanPembayaran() {
   Scanner scanner = new Scanner(System.in);
   System.out.println("-----");
   System.out.println("| Lakukan Pembayaran |");
System.out.println("======="");
    System.out.print("Masukkan ID Pengiriman yang ingin dibayar: ");
    int id_pengiriman = scanner.nextInt();
   scanner.nextLine();
    System.out.println("Pilih Metode Pembayaran:");
    System.out.println("1. Cash");
    System.out.println("2. Transfer");
    System.out.print("Pilih Metode : ");
    String metode = scanner.nextLine();
    String metodePembayaran = metode.equals("1") ? "Cash" : "Transfer";
    for (int i = 0; i < pembayaranCount; i++) {
        Catatan_pembayaran pembayaran = daftarPembayaran[i];
        if (pembayaran.getId_pengiriman() == id_pengiriman) {
            pembayaran.setStatus_pembayaran("Lunas");
            pembayaran.setMetode_pembayaran(metodePembayaran);
            System.out.println("Pembayaran berhasil dilakukan!");
            System.out.println("ID Pembayaran: " + pembayaran.getId_pembayaran());
System.out.println("Metode Pembayaran: " + pembayaran.getMetode_pembayaran());
    System.out.println("ID Pengiriman tidak ditemukan.");
```

```
public static void validasiDriver() {
   Scanner scanner = new Scanner(System.in);
   System.out.println("======");
   System.out.println("| Validasi Driver |");
   System.out.println("======");
   boolean adaDriver = false;
    for (int i = 0; i < driverCount; i++) {
       Driver driver = drivers[i];
       if (!driver.isStatus()) {
           adaDriver = true;
           System.out.println("ID Driver: " + driver.getId());
           System.out.println("Nama: " + driver.getNama());
System.out.println("Alamat: " + driver.getAlamat());
System.out.println("No. Telepon: " + driver.getNo_telp());
           System.out.println("Plat Kendaraan: " + driver.getPlat_kendaraan());
           System.out.println("Nama Kendaraan: " + driver.getNama_kendaraan());
           System.out.println("----");
    if (!adaDriver) {
       System.out.println("Tidak ada driver yang perlu divalidasi.");
   System.out.print("Masukkan ID Driver yang ingin divalidasi: ");
   int id_driver = scanner.nextInt();
   scanner.nextLine();
   for (int i = 0; i < driverCount; i++) {
       Driver driver = drivers[i];
        if (driver.getId() == id_driver) {
           driver.setStatus(true);
           System.out.println("Driver dengan ID " + id_driver + " berhasil divalidasi!");
           return;
   System.out.println("ID Driver tidak ditemukan!");
```

```
public static void registerCustomer() {
   Scanner scanner = new Scanner(System.in);
   if (customerCount >= MAX_CUSTOMERS) {
       System.out.println("Maaf, kapasitas customer penuh!");
       return;
   System.out.println("======");
   System.out.println("| Register Customer |");
System.out.println("======"");
   System.out.print("Masukkan Nama: ");
   String nama = scanner.nextLine();
   System.out.print("Masukkan Alamat: ");
   String alamat = scanner.nextLine();
   System.out.print("Masukkan No. Telepon: ");
   String noTelp = scanner.nextLine();
   System.out.print("Masukkan Password: ");
   String password = scanner.nextLine();
   Customer newCustomer = new Customer();
   newCustomer.setNama(nama);
   newCustomer.setAlamat(alamat);
   newCustomer.setNo_telp(noTelp);
   newCustomer.setPassword(password);
   customers[customerCount] = newCustomer;
   customerCount++;
   System.out.println("Registrasi Customer Berhasil!");
   System.out.println("ID Customer: " + newCustomer.getId());
   System.out.println("Nama: " + newCustomer.getNama());
   System.out.println("Alamat: " + newCustomer.getAlamat());
   System.out.println("No. Telepon: " + newCustomer.getNo_telp());
```

```
public static void registerDriver() {
   Scanner scanner = new Scanner(System.in);
   if (driverCount >= MAX_DRIVERS) {
       System.out.println("Maaf, kapasitas driver penuh!");
       return;
   System.out.println("======");
   System.out.println("| Register Driver |");
   System.out.println("======");
   System.out.print("Masukkan Nama: ");
   String nama = scanner.nextLine();
   System.out.print("Masukkan Alamat: ");
   String alamat = scanner.nextLine();
   System.out.print("Masukkan No. Telepon: ");
   String noTelp = scanner.nextLine();
   System.out.print("Masukkan Password: ");
   String password = scanner.nextLine();
   System.out.print("Masukkan Plat Kendaraan: ");
   String platKendaraan = scanner.nextLine();
   System.out.print("Masukkan Nama Kendaraan: ");
   String namaKendaraan = scanner.nextLine();
   Driver newDriver = new Driver();
   newDriver.setNama(nama);
   newDriver.setAlamat(alamat);
   newDriver.setNo_telp(noTelp);
   newDriver.setPassword(password);
   newDriver.setPlat_kendaraan(platKendaraan);
   newDriver.setNama_kendaraan(namaKendaraan);
   drivers[driverCount] = newDriver;
   driverCount++;
   System.out.println("Registrasi Driver Berhasil!");
   System.out.println("ID Driver: " + newOriver.getId());
   System.out.println("Nama: " + newDriver.getNama());
   System.out.println("Alamat: " + newDriver.getAlamat());
   System.out.println("No. Telepon: " + newDriver.getNo_telp());
   System.out.println("Plat Kendaraan: " + newDriver.getPlat_kendaraan());
   System.out.println("Nama Kendaraan: " + newOriver.getNama_kendaraan());
   System.out.println("Status: " + newDriver.isStatus());
```

```
public static void login() {
    Scanner scanner = new Scanner(System.in);
    System.out.println("======");
   System.out.println(" | Login
System.out.println(" | 1. Login Customer
    System.out.println("| 2. Login Driver
   System.out.println("| 3. Login Admin
   |");
==");
    System.out.print("Pilih Menu : ");
   String pilihan = scanner.nextLine();
    switch (pilihan) {
       case "1" -> loginCustomer();
case "2" -> loginDriver();
case "3" -> loginAdmin();
       case "4" -> System.out.println("Kembali ke Menu Utama");
        default -> System.out.println("Pilihan tidak ada");
public static void lihatPengirimanSelesai() {
   System.out.println("=================
    System.out.println("| Pengiriman Selesai |");
   System.out.println("=======");
    boolean adaPengiriman = false;
    for (int i = 0; i < pengirimanCount; i++) {</pre>
        Catatan_pengiriman pengiriman = daftarPengiriman[i];
        if (pengiriman.getStatus_pengiriman().equals("selesai")) {
            adaPengiriman = true;
            System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
            System.out.println("ID Barang: " + pengiriman.getId_barang());
System.out.println("Status: " + pengiriman.getStatus_pengiriman());
            System.out.println("Tanggal Pengiriman: " + pengiriman.getTanggal_pengiriman());
            System.out.println("----");
    if (!adaPengiriman) {
       System.out.println("Tidak ada pengiriman yang selesai.");
public static void displayPengirimanInfo(Catatan_pengiriman pengiriman) {
    System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
   System.out.println("Status: " + pengiriman.getStatus_pengiriman());
System.out.println("Tanggal: " + pengiriman.getTanggal_pengiriman());
```

```
public static void ubahStatusPengirimanDriver() {
    Scanner scanner = new Scanner(System.in);
    System.out.println("-----
   System.out.println("| Ubah Status Pengiriman |");
System.out.println("-----);
    boolean adaPengiriman - false;
    for (int i = 0; i < pengirimanCount; i++) {
        Catatan_pengiriman pengiriman = daftarPengiriman[i];
        if (pengiriman.getId_driver() == session_user && pengiriman.getStatus_pengiriman().equals("ongoing")) {
            adaPengiriman - true;
            System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
            System.out.println("ID Barang: " + pengiriman.getId_barang());
System.out.println("Status: " + pengiriman.getStatus_pengiriman());
            System.out.println("Tanggal Pengiriman: " + pengiriman.getTanggal_pengiriman());
System.out.println("---------");
    if (!adaPengiriman) {
        System.out.println("Tidak ada pengiriman yang bisa diubah statusnya.");
    System.out.print("Masukkan ID Pengiriman yang ingin diubah statusnya: ");
    int id_pengiriman = scanner.nextInt();
    scanner.nextLine();
    System.out.println("Pilih Metode Pembayaran:");
    System.out.println("1. Cash");
    System.out.println("2. Transfer");
System.out.print("Pilih Metode : ");
    String metode = scanner.nextLine();
    String metodePembayaran = metode.equals("1") ? "Cash" : "Transfer";
    for (int i = 0; i < pengirimanCount; i++) {
        Catatan_pengiriman pengiriman = daftarPengiriman[i];
        if (pengiriman.getId_pengiriman() == id_pengiriman && pengiriman.getId_driver() == session_user) {
            if (pengiriman.setStatus_pengiriman().equals("ongoing")) {
   pengiriman.setStatus_pengiriman("selesai");
                 System.out.println("Status pengiriman berhasil diubah menjadi selesai!");
                buatCatatanPembayaran(id_pengiriman, pengiriman.getHarga(), metodePembayaran);
                 System.out.println("Pengiriman ini sudah selesai atau tidak bisa diubah.");
    System.out.println("ID Pengiriman tidak ditemukan atau tidak bisa diubah.");
```

```
public static void buatCatatanPembayaran(int id_pengiriman, double harga, String metodePembayaran) {
   if (pembayaranCount >= MAX_PEMBAYARAN) {
       System.out.println("Maaf, kapasitas catatan pembayaran penuh!");
   Catatan_pembayaran newPembayaran = new Catatan_pembayaran();
   newPembayaran.setId_pembayaran(pembayaranCount + 1);
   newPembayaran.setId_pengiriman(id_pengiriman);
   newPembayaran.setStatus_pembayaran("Lunas");
   newPembayaran.setMetode_pembayaran(metodePembayaran);
   SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
   String tanggalSekarang = formatter.format(new Date());
   newPembayaran.setTanggal_pembayaran(tanggalSekarang);
   daftarPembayaran[pembayaranCount] = newPembayaran;
   pembayaranCount++;
   System.out.println("Catatan pembayaran berhasil dibuat!");
   System.out.println("ID Pembayaran: " + newPembayaran.getId_pembayaran());
   System.out.println("ID Pengiriman: " + newPembayaran.getId_pengiriman());
   System.out.println("Status Pembayaran: " + newPembayaran.getStatus_pembayaran());
    System.out.println("Metode Pembayaran: " + newPembayaran.getMetode_pembayaran());
    System.out.println("Tanggal Pembayaran: " + newPembayaran.getTanggal_pembayaran());
```

```
public static void lihatPengirimanMenungguDriver() {
    Scanner scanner = new Scanner(System.in);
    System.out.println("======");
    System.out.println("| Pengiriman Menunggu Driver |");
    System.out.println("=======");
    boolean adaPengiriman = false;
    for (int i = 0; i < pengirimanCount; i++) {
        Catatan_pengiriman pengiriman = daftarPengiriman[i];
        if (pengiriman.getStatus_pengiriman().equals("Menunggu Driver")) {
            adaPengiriman = true;
            System.out.println("ID Pengiriman: " + pengiriman.getId_pengiriman());
           System.out.println("ID Barang: " + pengiriman.getId_barang());
           System.out.println("Status: " + pengiriman.getStatus_pengiriman());
System.out.println("Tanggal Pengiriman: " + pengiriman.getTanggal_pengiriman());
System.out.println("------");
    if (!adaPengiriman) {
        System.out.println("Tidak ada pengiriman yang menunggu driver.");
    System.out.println("1. Ubah Status Pesanan");
    System.out.println("2. Kembali");
    System.out.print("Pilih Menu :
    String pilihan = scanner.nextLine();
    if (pilihan.equals("1")) {
        System.out.print("Masukkan ID Pengiriman yang ingin diubah: ");
        int id_pengiriman = scanner.nextInt();
        scanner.nextLine();
        lihatDaftarDriver();
        System.out.print("Masukkan ID Driver yang ingin ditugaskan: ");
        int id_driver = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Masukkan Harga Pengiriman: ");
        double harga = scanner.nextDouble();
        scanner.nextLine();
        ubahStatusPengiriman(id_pengiriman, id_driver, harga);
        buatCatatanPembayaran(id_pengiriman, harga);
```

```
public static void ubahStatusPengiriman(int id_pengiriman, int id_driver, double harga) {
       for (int i = 0; i < pengirimanCount; i++)
             Catatan_pengiriman pengiriman = daftarPengiriman[i];
             if (pengiriman.getId_pengiriman() == id_pengiriman) {
                   pengiriman.setStatus_pengiriman("ongoing");
pengiriman.setId_driver(id_driver);
                    pengiriman.setHarga(harga);
                  System.out.println("Status pengiriman berhasil diubah menjadi ongoing!");
System.out.println("Driver dengan ID " + id_driver + " telah ditugaskan.");
System.out.println("Harga Pengiriman: " + harga);
       System.out.println("ID Pengiriman tidak ditemukan!");
public static void buatCatatanPembayaran(int id_pengiriman, double harga) {
   if (pembayaranCount >= MAX_PEMBAYARAN) {
            System.out.println("Maaf, kapasitas catatan pembayaran penuh!");
             return:
      Catatan_pembayaran newPembayaran = new Catatan_pembayaran();
       newPembayaran.setId_pembayaran(pembayaranCount + 1);
      newPembayaran.setId_pengiriman(id_pengiriman);
newPembayaran.setStatus_pembayaran("ongoing");
newPembayaran.setMetode_pembayaran("Menunggu Konfirmasi");
      SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
String tanggalSekarang = formatter.format(new Date());
      newPembayaran.setTanggal_pembayaran(tanggalSekarang);
      daftarPembayaran[pembayaranCount] = newPembayaran;
      pembayaranCount++:
      System.out.println("Catatan pembayaran berhasil dibuat!");
System.out.println("ID Pembayaran: " + newPembayaran.getId_pembayaran());
System.out.println("ID Pengiriman: " + newPembayaran.getId_pengiriman());
System.out.println("Status Pembayaran: " + newPembayaran.getStatus_pembayaran());
System.out.println("Metode Pembayaran: " + newPembayaran.getMetode_pembayaran());
System.out.println("Tanggal Pembayaran: " + newPembayaran.getTanggal_pembayaran());
```

```
public static void menuAdmin() {
   Scanner scanner = new Scanner(System.in);
   while (true) {
       System.out.println(x:"========");
       System.out.println(x:"| Menu Admin
       System.out.println(x:" | 1. Lihat Pengiriman Menunggu Driver |");
                                                              |");
       System.out.println(x:" | 2. Lihat Pengiriman Selesai
                                                              |");
|");
       System.out.println(x:" | 3. Hapus Pesanan
       System.out.println(x:" | 4. Validasi Driver
       System.out.println(x:"| 5. Lihat Daftar Driver
                                                               |");
       System.out.println(x:" | 6. Logout
                                                               |");
       System.out.println(x:"========");
       System.out.print(s:"Pilih Menu : ");
       String pilihan = scanner.nextLine();
       switch (pilihan) {
          case "1" -> lihatPengirimanMenungguDriver();
          case "2" -> lihatPengirimanSelesai();
          case "3" -> hapusPesanan();
          case "4" -> validasiDriver();
          case "5" -> lihatDaftarDriver();
             System.out.println(x:"Logout berhasil!");
             return;
          default -> System.out.println(x:"Pilihan tidak ada!");
public static void lihatDaftarDriver() {
   for (Driver driver : drivers) {
       if (driver != null) {
         driver.displayInfo();
          System.out.println(x:"-----");
```

```
public static void hapusPesanan() {
   Scanner scanner = new Scanner(System.in);
   System.out.println("=======");
   System.out.println("| Hapus Pesanan |");
   System.out.println("-----");
   System.out.print("Masukkan ID Pengiriman yang ingin dihapus: ");
   int id_pengiriman = scanner.nextInt();
   scanner.nextLine();
   for (int i = 0; i < pengirimanCount; i++) {</pre>
       if (daftarPengiriman[i].getId_pengiriman() == id_pengiriman) {
          for (int j = i; j < pengirimanCount - 1; j++) {</pre>
             daftarPengiriman[j] = daftarPengiriman[j + 1];
          pengirimanCount--;
          System.out.println("Pesanan dengan ID " + id_pengiriman + " berhasil dihapus!");
          return;
   System.out.println("ID Pengiriman tidak ditemukan!");
```

```
public static void loginAdmin() {
   Scanner scanner = new Scanner(System.in);
   System.out.println(x:"=======");
   System.out.println(x:"| Login Admin |");
   System.out.println(x:"=======");
   System.out.print(s:"Masukkan Username: ");
   String username = scanner.nextLine();
   System.out.print(s:"Masukkan Password: ");
   String password = scanner.nextLine();
   if (username.equals(anObject:"admin") && password.equals(anObject:"admin")) {
       System.out.println(x:"Login Admin Berhasil!");
       menuAdmin();
       System.out.println(x:"Username atau Password salah!");
public static void loginCustomer() {
   Scanner scanner = new Scanner(System.in);
   int attempts = 0;
   System.out.println(x:"========");
   System.out.println(x:"| Login Customer |");
System.out.println(x:"======="");
   while (attempts < User.MAX_LOGIN_ATTEMPTS) {</pre>
       System.out.print(s:"Masukkan Nama: ");
       String nama = scanner.nextLine();
       System.out.print(s:"Masukkan Password: ");
       String password = scanner.nextLine();
       boolean found = false;
       for (Customer customer: customers) {
           if (customer != null && customer.getNama().equals(nama)) {
               found = true;
               if (customer.validatePassword(password)) {
                  System.out.println(x:"Login berhasil!");
                   session_user = customer.getId();
                  menuCustomer();
                  System.out.println(x:"Password salah!");
                  break;
           System.out.println(x:"Nama tidak ditemukan!");
       attempts++;
       System.out.println("Percobaan login: " + attempts + "/" + User.MAX_LOGIN_ATTEMPTS);
   System.out.println(x:"Anda melebihi batas percobaan login!");
```

```
public static void loginDriver() {
   try (Scanner scanner = new Scanner(System.in)) {
       int attempts = 0;
       System.out.println(x:"========");
       System.out.println(x:"| Login Driver |");
       System.out.println(x:"=======");
       while (attempts < User.MAX_LOGIN_ATTEMPTS) {</pre>
           System.out.print(s:"Masukkan Nama: ");
           String nama = scanner.nextLine();
           System.out.print(s:"Masukkan Password: ");
           String password = scanner.nextLine();
           boolean found = false;
           for (Driver driver : drivers) {
               if (driver != null && driver.getNama().equals(nama)) {
                   found = true;
                   if (!driver.isStatus()) {
    System.out.println(x:"Akun Anda masih menunggu konfirmasi.");
                      break;
                   if (driver.validatePassword(password)) {
                      System.out.println(x:"Login berhasil!");
                       session_user = driver.getId();
                       menuDriver();
                   } else {
                      System.out.println(x:"Password salah!");
                      break;
           if (!found) {
               System.out.println(x:"Nama tidak ditemukan!");
           attempts++;
           System.out.println("Percobaan login: " + attempts + "/" + User.MAX_LOGIN_ATTEMPTS);
       System.out.println(x:"Anda melebihi batas percobaan login!");
```

```
public static void menuDriver() {
    Scanner scanner = new Scanner(System.in);
    while (true) {
         System.out.println(x:"========");
         System.out.println(x:"| Menu Driver
System.out.println(x:"| 1. Lihat Barang Dikirim
System.out.println(x:"| 2. Ubah Status Pengiriman
System.out.println(x:"| 3. Informasi Akun Anda
                                                                         |");
|");
|");
|");
                                                                          |");
         System.out.println(x:" | 4. Logout
         System.out.println(x:"============
                                                                          ");
         System.out.print(s:"Pilih Menu : ");
         String pilihan = scanner.nextLine();
         switch (pilihan) {
             case "1" -> lihatBarangDikirim();
case "2" -> ubahStatusPengirimanDriver();
                   System.out.println(x:"\nInformasi Akun Anda:");
                   drivers[session_user - 1].displayInfo();
                   System.out.println(x:"Logout berhasil!");
                   return;
              default -> System.out.println(x:"Pilihan tidak ada!");
```

```
public static void lihatBarangDikirim() {
   System.out.println("=======");
   System.out.println("| Barang Dikirim |");
   System.out.println("======");
   boolean adaPengiriman = false;
   for (int i = 0; i < pengirimanCount; i++) {</pre>
       Catatan_pengiriman pengiriman = daftarPengiriman[i];
       if (pengiriman.getId_driver() == session_user) {
          adaPengiriman = true;
          displayPengirimanInfo(pengiriman, true);
          System.out.println("----");
   if (!adaPengiriman) {
       System.out.println("Tidak ada barang yang dikirim oleh Anda.");
public static void ubahStatusPengiriman(int id_pengiriman, int id_driver) {
   for (int i = 0; i < pengirimanCount; i++) {
       Catatan_pengiriman pengiriman = daftarPengiriman[i];
       if (pengiriman.getId_pengiriman() == id_pengiriman) {
          pengiriman.setStatus_pengiriman("ongoing");
          pengiriman.setId_driver(id_driver);
          System.out.println("Status pengiriman berhasil diubah menjadi ongoing!");
          System.out.println("Driver dengan ID " + id_driver + " telah ditugaskan.");
   System.out.println("ID Pengiriman tidak ditemukan!");
```

User.java

```
package model;
public class User {
    protected int id;
    protected String nama;
    protected String alamat;
    protected String no_telp;
protected String password;
    public User() {
    public void displayInfo() {
    System.out.println("ID: " + id);
    System.out.println("Nama: " + nama);
    System.out.println("Alamat: " + alamat);
    System.out.println("No. Telepon: " + no_telp);
    public int getId() {
    public void setId(int id) {
         this.id - id;
     public String getNama() {
         return nama;
    this.nama - nama;
     public void setNama(String nama) {
     public String getAlamat() {
        return alamat;
    public void setAlamat(String alamat) {
    this.alamat = alamat;
    public String getNo_telp() {
    return no_telp;
     public void setNo_telp(String no_telp) {
     this.no_telp = no_telp;
    public String getPassword() {
    return password;
    public void setPassword(String password) {
        this.password = password;
```

Driver.java

```
package model;
     private String plat_kendaraan;
     private String nama_kendaraan;
     private boolean status;
     private static int lastId = 0;
     public Driver() {
           this.id - ++lastId;
     @Override
     public void displayInfo() {
          System.out.println("--- Informasi Driver ---");
          super.displayInfo();
System.out.println("Plat Kendaraan: " + plat_kendaraan);
System.out.println("Nama Kendaraan: " + nama_kendaraan);
System.out.println("Status: " + (status ? "Aktif" : "Menunggu Validasi"));
     public int getId_driver() {
     public String getPlat_kendaraan() {
          return plat_kendaraan;
     public void setPlat_kendaraan(String plat_kendaraan) {
          this.plat_kendaraan = plat_kendaraan;
     public String getNama_kendaraan() {
    return nama_kendaraan;
     public void setNama_kendaraan(String nama_kendaraan) {
           this.nama_kendaraan = nama_kendaraan;
     public boolean isStatus() {
     public void setStatus(boolean status) {
          this.status - status;
     @Override
     public String toString() {
          return "Driver{" + 
"id=" + id +
                     "id-" + id +

", nama-'" + nama + '\' +

", no_telp-'" + no_telp + '\' +

", password-'" + password + '\' +

", alamat-" + alamat + '\' +

", plat_kendaraan-'" + plat_kendaraan + '\' +

", nama_kendaraan-'" + nama_kendaraan + '\' +

", status-" + status +

'};
```

Customer.java

## Catatan\_pengiriman.java

```
public class Catatan_penginiman;ava / Language Support for Java(IM) by Red Hat / to Catatan_penginiman {
    public String getTanggal_pengiriman() {
        return tanggal_pengiriman;
    }
    public void setTanggal_pengiriman(String tanggal_pengiriman) {
        this.tanggal_pengiriman = tanggal_pengiriman;
    }
    public double getHarga() {
        return harga;
    }
    public void setHarga(double harga) {
        this.harga = harga;
    }
}
```

Catatan\_pembayaran.java

```
package model;
public class Catatan_pembayaran {
   int id_pembayaran;
   int id_pengiriman;
   String status_pembayaran;
   String tanggal_pembayaran;
   String metode_pembayaran;
   public int getId_pembayaran() {
       return id_pembayaran;
   public void setId_pembayaran(int id_pembayaran) {
       this.id_pembayaran = id_pembayaran;
   public int getId_pengiriman() {
       return id_pengiriman;
   public void setId_pengiriman(int id_pengiriman) {
       this.id_pengiriman = id_pengiriman;
   public String getStatus_pembayaran() {
       return status_pembayaran;
   public void setStatus_pembayaran(String status_pembayaran) {
       this.status_pembayaran = status_pembayaran;
   public String getTanggal_pembayaran() {
       return tanggal_pembayaran;
   public void setTanggal_pembayaran(String tanggal_pembayaran) {
       this.tanggal_pembayaran = tanggal_pembayaran;
   public String getMetode_pembayaran() {
       return metode_pembayaran;
   public void setMetode_pembayaran(String metode_pembayaran) {
       this.metode_pembayaran = metode_pembayaran;
```

```
odel / g Barang.java / Language Support for Java(IM) by Red Hat / to Barang package model;
public class Barang [
    private int id_barang;
    private String nama;
    private int id_customer;
    private String alamat_asal;
    private String alamat_tujuan;
    public int getId_barang() {
       return id_barang;
    public void setId_barang(int id_barang) {
       this.id_barang = id_barang;
    public String getNama() {
        return nama;
    public void setNama(String nama) {
        this.nama = nama;
    public int getId_customer() {
       return id_customer;
    public void setId_customer(int id_customer) {
       this.id_customer = id_customer;
    public String getAlamat_asal() {
       return alamat_asal;
    public void setAlamat_asal(String alamat_asal) {
       this.alamat_asal = alamat_asal;
    public String getAlamat_tujuan() {
        return alamat_tujuan;
    public void setAlamat_tujuan(String alamat_tujuan) {
        this.alamat_tujuan = alamat_tujuan;
```