

**LAPORAN PRAKTIKUM**  
**PEMROGRAMAN BERORIENTASI OBJEK**

*“Tugas 3”*



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**SURABAYA**

**2019**

## A. SOAL

Pada tugas ini akan ditampilkan soal dan cara yang digunakan untuk mengerjakan soal-soal yang ada.

### 1. Deskripsi Soal

Buatlah program menggunakan GUI yang mengandung inheritance, encapsulation, polymorphysm, exception.

### 2. Uml Class

DataBase
<ul style="list-style-type: none"><li>- nama</li><li>- email</li><li>- jamBudal</li><li>- jamTutuk</li><li>- pesanan</li><li>- namaPesanan</li><li>- dari</li><li>- ke</li><li>- hari</li><li>- bulan</li><li>- tahun</li><li>- jmlorang</li><li>- kursi</li><li>- hari1</li><li>- bulan1</li><li>- tahun1</li><li>- pilihan1</li><li>- pilihan2</li><li>- nomorIdentitas</li><li>- nomorHP</li></ul>

- harga
+ DataBase() + void setName(String nama) + void setEmail(String email) + void setJamBudal(String jamBudal) + void setJamTutuk(String jamTutuk) + void setPesanan(String pesanan) + void setNamePesanan(String namaPesanan) + void setDari(int dari) + void setKe(int ke) + void setHari(int hari) + void setBulan(int bulan) + void setTahun(int tahun) + void setJmlorang(int jmlorang) + void setKursi(int kursi) + void setHari1(int hari1) + void setBulan1(int bulan1) + void setTahun1(int tahun1) + void setPilihan1(int pilihan1) + void setPilihan2(int pilihan2) + void setNomorIdentitas(long nomorIdentitas) + void setNomorHP(long nomorHP) + void setHarga(long harga) + String getName() + String getEmail() + String getJamBudal() + String getJamTutuk() + String getPesanan() + String getNamePesanan() + int getDari() + int getKe()

- + int getHari()
- + int getBulan()
- + int getTahun()
- + int getJmlorang()
- + int getKursi()
- + int getHari1()
- + int getBulan1()
- + int getTahun1()
- + int getPilihan1()
- + int getPilihan2()
- + long getNomorIdentitas()
- + long getNomorHP()
- + long getHarga()

### 3. Metode penyelesaian

Cara menyelesaikannya yaitu:

- a) Kami mengangkat permasalahannya yaitu membuat aplikasi untuk pembelian tiket.
- b) Menu yang akan disediakan adalah pembelian tiket pesawat, kereta, hotel, makan, dan bioskop.
- c) Program akan terdiri dari 4 class yaitu class Database untuk mengelola data yang ada, class Tampilan untuk tampilan awal aplikasi, class PembelianSukses dan PembelianSukses1 untuk memberitahu jika pembelian berhasil.
- d) Dalam program-program tersebut tentu akan ada konsep inheritance, encapsulation, polymorphysm dan exception.

## B. SOURCE CODE

Program penyelesaian masalah tersebut yaitu:

### 1. Class DataBase

DataBase.java	
1.	/*
2.	* To change this license header, choose License Headers in Project Properties.
3.	* To change this template file, choose Tools   Templates
4.	* and open the template in the editor.
5.	*/
6.	package TampilanDasar;
7.	
8.	/**
9.	*
10.	* @author OWNER
11.	*/
12.	public class DataBase {
13.	
14.	private String nama, email, jamBudal, jamTutuk, pesanan, namaPesanan;
15.	private int dari, ke, hari, bulan, tahun, jmlorang, kursi, hari1, bulan1, tahun1, pilihan1, pilihan2;
16.	private long nomorIdentitas, nomorHP, harga;
17.	
18.	public DataBase() {
19.	}
20.	
21.	public String getNamaPesanan() {
22.	return namaPesanan;
23.	}
24.	
25.	public void setNamaPesanan(String namaPesanan) {
26.	this.namaPesanan = namaPesanan;
27.	}
28.	
29.	public int getPilihan1() {
30.	return pilihan1;
31.	}
32.	
33.	public void setPilihan1(int pilihan1) {
34.	this.pilihan1 = pilihan1;
35.	}
36.	
37.	public int getPilihan2() {
38.	return pilihan2;
39.	}
40.	
41.	public void setPilihan2(int pilihan2) {
42.	this.pilihan2 = pilihan2;
43.	}
44.	

45.	<code>public String getPesanan() {</code>
46.	<code>    return pesanan;</code>
47.	<code>}</code>
48.	
49.	<code>public void setPesanan(String pesanan) {</code>
50.	<code>    switch (pesanan) {</code>
51.	<code>        case "p":</code>
52.	<code>            setHarga(41000);</code>
53.	<code>            setNamaPesanan("Pan Black Pizza Personal Meat");</code>
54.	<code>            break;</code>
55.	<code>        case "p1":</code>
56.	<code>            setHarga(56000);</code>
57.	<code>            setNamaPesanan("Cheecybytes Pizza Personal Meat");</code>
58.	<code>            break;</code>
59.	<code>        case "p2":</code>
60.	<code>            setHarga(50000);</code>
61.	<code>            setNamaPesanan("Beef Lasagna");</code>
62.	<code>            break;</code>
63.	<code>        case "p3":</code>
64.	<code>            setHarga(86000);</code>
65.	<code>            setNamaPesanan("Pan Black Pizza Regular Chesse");</code>
66.	<code>            break;</code>
67.	<code>        case "p4":</code>
68.	<code>            setHarga(119000);</code>
69.	<code>            setNamaPesanan("Pan Black Pizza Large Super");</code>
70.	<code>            break;</code>
71.	<code>        case "t":</code>
72.	<code>            setHarga(9000);</code>
73.	<code>            setNamaPesanan("Fanta Strawberry");</code>
74.	<code>            break;</code>
75.	<code>        case "t1":</code>
76.	<code>            setHarga(31000);</code>
77.	<code>            setNamaPesanan("Combo Spicy Txtreme 1");</code>
78.	<code>            break;</code>
79.	<code>        case "t2":</code>
80.	<code>            setHarga(46000);</code>
81.	<code>            setNamaPesanan("Combo 2 - Combo 2pc");</code>
82.	<code>            break;</code>
83.	<code>        case "t3":</code>
84.	<code>            setHarga(36000);</code>
85.	<code>            setNamaPesanan("Combo Crunchy Deals 2");</code>
86.	<code>            break;</code>
87.	<code>        case "t4":</code>
88.	<code>            setHarga(22000);</code>
89.	<code>            setNamaPesanan("Shortcake Coklat");</code>
90.	<code>            break;</code>
91.	<code>        case "b":</code>
92.	<code>            setHarga(65000);</code>
93.	<code>            setNamaPesanan("Promo 2 Nasi Ayam GM + Teh Pucuk");</code>
94.	<code>            break;</code>
95.	<code>        case "b1":</code>
96.	<code>            setHarga(46000);</code>
97.	<code>            setNamaPesanan("Bakmi Bakso");</code>
98.	<code>            break;</code>

99.	case "b2":
100.	setHarga(47500);
101.	setNamaPesanan("Korean Popcorn Chicken");
102.	break;
103.	case "b3":
104.	setHarga(49500);
105.	setNamaPesanan("Ayam Cah Cabai");
106.	break;
107.	default:
108.	setHarga(14000);
109.	setNamaPesanan("Iced Green Tea");
110.	}
111.	this.pesanan = pesanan;
112.	}
113.	
114.	public long getHarga() {
115.	return harga;
116.	}
117.	
118.	public void setHarga(String tiket, int pil1, int pil2) {
119.	long Harga = 0;
120.	switch (tiket) {
121.	case "pesawat":
122.	if ((pil1 == 0 && pil2 == 1)    (pil1 == 1 && pil2 ==
123.	0)) {
124.	Harga = 700000;
125.	} else if ((pil1 == 0 && pil2 == 2)    (pil1 == 2 &&
126.	pil2 == 0)) {
127.	Harga = 400000;
128.	} else if ((pil1 == 0 && pil2 == 3)    (pil1 == 3 &&
129.	pil2 == 0)) {
130.	Harga = 650000;
131.	} else if ((pil1 == 0 && pil2 == 4)    (pil1 == 4 &&
132.	pil2 == 0)) {
133.	Harga = 600000;
134.	} else if ((pil1 == 1 && pil2 == 2)    (pil1 == 2 &&
135.	pil2 == 1)) {
136.	Harga = 1300000;
137.	} else if ((pil1 == 1 && pil2 == 3)    (pil1 == 3 &&
138.	pil2 == 1)) {
139.	Harga = 750000;
140.	} else if ((pil1 == 1 && pil2 == 4)    (pil1 == 4 &&
141.	pil2 == 1)) {
142.	Harga = 800000;
143.	} else if ((pil1 == 2 && pil2 == 3)    (pil1 == 3 &&
	pil2 == 2)) {
	Harga = 900000;
	} else if ((pil1 == 2 && pil2 == 4)    (pil1 == 4 &&
	pil2 == 2)) {
	Harga = 900000;
	} else if ((pil1 == 3 && pil2 == 4)    (pil1 == 4 &&
	pil2 == 3)) {
	Harga = 700000;
	} else {
	Harga = 0;



144.		}
145.		
146.		if (getKursi() == 0) {
147.		Harga += 0;
148.		} else if (getKursi() == 1) {
149.		Harga += Harga / 2;
150.		}
151.		break;
152.		case "kereta":
153.		if ((pill1 == 0 && pil2 == 1)    (pill1 == 1 && pil2 ==
154.	0)) {	
155.		Harga = 300000;
156.		} else if ((pill1 == 0 && pil2 == 2)    (pill1 == 2 &&
157.	pil2 == 0)) {	
158.		Harga = 100000;
159.		} else if ((pill1 == 0 && pil2 == 3)    (pill1 == 3 &&
160.	pil2 == 0)) {	
161.		Harga = 200000;
162.		} else if ((pill1 == 0 && pil2 == 4)    (pill1 == 4 &&
163.	pil2 == 1)) {	
164.		Harga = 250000;
165.		} else if ((pill1 == 1 && pil2 == 2)    (pill1 == 2 &&
166.	pil2 == 1)) {	
167.		Harga = 350000;
168.		} else if ((pill1 == 1 && pil2 == 3)    (pill1 == 3 &&
169.	pil2 == 1)) {	
170.		Harga = 150000;
171.		} else if ((pill1 == 1 && pil2 == 4)    (pill1 == 4 &&
172.	pil2 == 2)) {	
173.		Harga = 150000;
174.		} else if ((pill1 == 2 && pil2 == 3)    (pill1 == 3 &&
175.	pil2 == 2)) {	
176.		Harga = 200000;
177.		} else if ((pill1 == 2 && pil2 == 4)    (pill1 == 4 &&
178.	pil2 == 3)) {	
179.		Harga = 250000;
180.		} else if ((pill1 == 3 && pil2 == 4)    (pill1 == 4 &&
181.		Harga = 50000;
182.		} else {
183.		Harga = 0;
184.		}
185.		if (getKursi() == 0) {
186.		Harga += 0;
187.		} else if (getKursi() == 1) {
188.		Harga += Harga / 2;

189.	Harga = 1300000;
190.	} else if ((pill == 1 && pil2 == 0)) {
191.	Harga = 450000;
192.	} else if ((pill == 1 && pil2 == 1)) {
193.	Harga = 500000;
194.	} else if ((pill == 1 && pil2 == 2)) {
195.	Harga = 950000;
196.	} else if ((pill == 2 && pil2 == 0)) {
197.	Harga = 850000;
198.	} else if ((pill == 2 && pil2 == 1)) {
199.	Harga = 1000000;
200.	} else if ((pill == 2 && pil2 == 2)) {
201.	Harga = 2000000;
202.	} else if ((pill == 3 && pil2 == 0)) {
203.	Harga = 500000;
204.	} else if ((pill == 3 && pil2 == 1)) {
205.	Harga = 600000;
206.	} else if ((pill == 3 && pil2 == 2)) {
207.	Harga = 850000;
208.	} else if ((pill == 4 && pil2 == 0)) {
209.	Harga = 450000;
210.	} else if ((pill == 4 && pil2 == 1)) {
211.	Harga = 950000;
212.	} else if ((pill == 4 && pil2 == 2)) {
213.	Harga = 1150000;
214.	} else {
215.	Harga = 0;
216.	}
217.	
218.	if (getKursi() == 0) {
219.	Harga += 0;
220.	} else if (getKursi() == 1) {
221.	Harga += Harga / 2;
222.	}
223.	
224.	int ntahun2 = getTahun();
225.	int nbulan2 = getBulan();
226.	int nhari2 = getHari();
227.	int ntahun3 = getTahun1();
228.	int nbulan3 = getBulan1();
229.	int nhari3 = getHari1();
230.	int jumlahHari = 0;
231.	
232.	if (ntahun3 > ntahun2) {
233.	jumlahHari += 365 * (ntahun3 - ntahun2);
234.	} else {
235.	if (nbulan3 > nbulan2) {
236.	jumlahHari += 30 * (nbulan3 - nbulan2);
237.	} else {
238.	if (nhari3 > nhari2) {
239.	jumlahHari += nhari3 - nhari2;
240.	}
241.	}
242.	}

243.	
244.	Harga *= jumlahHari;
245.	break;
246.	}
247.	
248.	this.harga = Harga;
249.	}
250.	
251.	public void setHarga(long harga) {
252.	this.harga = harga;
253.	}
254.	
255.	public String getJamBudal() {
256.	return jamBudal;
257.	}
258.	
259.	public void setJamBudal(String jamBudal) {
260.	switch (jamBudal) {
261.	case "08.00":
262.	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
263.	1 && getKe() == 0)) {
264.	setJamTutuk("09.30");
265.	} else if ((getDari() == 0 && getKe() == 2)
266.	(getDari() == 2 && getKe() == 0)) {
267.	setJamTutuk("09.00");
268.	} else if ((getDari() == 0 && getKe() == 3)
269.	(getDari() == 3 && getKe() == 0)) {
270.	setJamTutuk("09.30");
271.	} else if ((getDari() == 0 && getKe() == 4)
272.	(getDari() == 4 && getKe() == 0)) {
273.	setJamTutuk("09.30");
274.	} else if ((getDari() == 1 && getKe() == 2)
275.	(getDari() == 2 && getKe() == 1)) {
276.	setJamTutuk("09.45");
277.	} else if ((getDari() == 3 && getKe() == 1)
278.	(getDari() == 1 && getKe() == 3)) {
279.	setJamTutuk("09.00");
280.	} else if ((getDari() == 4 && getKe() == 1)
281.	(getDari() == 1 && getKe() == 4)) {
282.	setJamTutuk("09.00");
283.	} else if ((getDari() == 2 && getKe() == 3)
284.	(getDari() == 3 && getKe() == 2)) {
285.	setJamTutuk("09.00");
286.	} else if ((getDari() == 2 && getKe() == 4)
	(getDari() == 4 && getKe() == 2)) {
	setJamTutuk("09.00");
	} else if ((getDari() == 3 && getKe() == 4)
	(getDari() == 4 && getKe() == 3)) {
	setJamTutuk("09.00");
	}
	break;
	case "14.00":
	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
	1 && getKe() == 0)) {

287.	setJamTutuk("15.30");
288.	} else if ((getDari() == 0 && getKe() == 2)
289.	(getDari() == 2 && getKe() == 0)) {
290.	setJamTutuk("15.00");
291.	} else if ((getDari() == 0 && getKe() == 3)
292.	(getDari() == 3 && getKe() == 0)) {
293.	setJamTutuk("15.30");
294.	} else if ((getDari() == 0 && getKe() == 4)
295.	(getDari() == 4 && getKe() == 0)) {
296.	setJamTutuk("15.30");
297.	} else if ((getDari() == 1 && getKe() == 2)
298.	(getDari() == 2 && getKe() == 1)) {
299.	setJamTutuk("15.45");
300.	} else if ((getDari() == 3 && getKe() == 1)
301.	(getDari() == 1 && getKe() == 3)) {
302.	setJamTutuk("15.00");
303.	} else if ((getDari() == 4 && getKe() == 1)
304.	(getDari() == 1 && getKe() == 4)) {
305.	setJamTutuk("15.00");
306.	} else if ((getDari() == 2 && getKe() == 3)
307.	(getDari() == 3 && getKe() == 2)) {
308.	setJamTutuk("15.00");
309.	} else if ((getDari() == 2 && getKe() == 4)
310.	(getDari() == 4 && getKe() == 2)) {
311.	setJamTutuk("15.00");
312.	} else if ((getDari() == 3 && getKe() == 4)
313.	(getDari() == 4 && getKe() == 3)) {
314.	setJamTutuk("15.00");
315.	}
316.	break;
317.	default:
318.	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
319.	1 && getKe() == 0)) {
320.	setJamTutuk("20.30");
321.	} else if ((getDari() == 0 && getKe() == 2)
322.	(getDari() == 2 && getKe() == 0)) {
323.	setJamTutuk("20.00");
324.	} else if ((getDari() == 0 && getKe() == 3)
325.	(getDari() == 3 && getKe() == 0)) {
326.	setJamTutuk("20.30");
327.	} else if ((getDari() == 0 && getKe() == 4)
328.	(getDari() == 4 && getKe() == 0)) {
329.	setJamTutuk("20.30");
330.	} else if ((getDari() == 1 && getKe() == 2)
331.	(getDari() == 2 && getKe() == 1)) {
332.	setJamTutuk("20.45");
333.	} else if ((getDari() == 3 && getKe() == 1)
334.	(getDari() == 1 && getKe() == 3)) {
335.	setJamTutuk("20.00");
336.	} else if ((getDari() == 4 && getKe() == 1)
337.	(getDari() == 1 && getKe() == 4)) {
338.	setJamTutuk("20.00");
339.	} else if ((getDari() == 2 && getKe() == 3)
340.	(getDari() == 3 && getKe() == 2)) {
341.	setJamTutuk("20.00");

325.	} else if ((getDari() == 2 && getKe() == 4)
326.	(getDari() == 4 && getKe() == 2)) {
327.	setJamTutuk("20.00");
328.	} else if ((getDari() == 3 && getKe() == 4)
329.	(getDari() == 4 && getKe() == 3)) {
330.	setJamTutuk("20.00");
331.	}
332.	break;
333.	}
334.	this.jamBudal = jamBudal;
335.	}
336.	public void setJamBudal1(String jamBudal) {
337.	switch (jamBudal) {
338.	case "08.00":
339.	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
340.	1 && getKe() == 0)) {
341.	setJamTutuk("19.30");
342.	} else if ((getDari() == 0 && getKe() == 2)
343.	(getDari() == 2 && getKe() == 0)) {
344.	setJamTutuk("11.00");
345.	} else if ((getDari() == 0 && getKe() == 3)
346.	(getDari() == 3 && getKe() == 0)) {
347.	setJamTutuk("15.30");
348.	} else if ((getDari() == 0 && getKe() == 4)
349.	(getDari() == 4 && getKe() == 0)) {
350.	setJamTutuk("16.30");
351.	} else if ((getDari() == 1 && getKe() == 2)
352.	(getDari() == 2 && getKe() == 1)) {
353.	setJamTutuk("22.00");
354.	} else if ((getDari() == 3 && getKe() == 1)
355.	(getDari() == 1 && getKe() == 3)) {
356.	setJamTutuk("12.30");
357.	} else if ((getDari() == 4 && getKe() == 1)
358.	(getDari() == 1 && getKe() == 4)) {
359.	setJamTutuk("13.30");
360.	} else if ((getDari() == 2 && getKe() == 3)
361.	(getDari() == 3 && getKe() == 2)) {
362.	setJamTutuk("16.30");
363.	} else if ((getDari() == 2 && getKe() == 4)
364.	(getDari() == 4 && getKe() == 2)) {
365.	setJamTutuk("16.30");
	} else if ((getDari() == 3 && getKe() == 4)
	(getDari() == 4 && getKe() == 3)) {
	setJamTutuk("15.00");
	}
	break;
	case "14.00":
	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
	1 && getKe() == 0)) {
	setJamTutuk("01.30");
	setPenambahanHari();

366.	} else if ((getDari() == 0 && getKe() == 2)
367.	(getDari() == 2 && getKe() == 0)) {
368.	setJamTutuk("17.00");
369.	} else if ((getDari() == 0 && getKe() == 3)
370.	(getDari() == 3 && getKe() == 0)) {
371.	setJamTutuk("21.30");
372.	} else if ((getDari() == 0 && getKe() == 4)
373.	(getDari() == 4 && getKe() == 0)) {
374.	setJamTutuk("22.30");
375.	} else if ((getDari() == 1 && getKe() == 2)
376.	(getDari() == 2 && getKe() == 1)) {
377.	setJamTutuk("04.00");
378.	setPenambahanHari();
379.	} else if ((getDari() == 3 && getKe() == 1)
380.	(getDari() == 1 && getKe() == 3)) {
381.	setJamTutuk("18.30");
382.	} else if ((getDari() == 4 && getKe() == 1)
383.	(getDari() == 1 && getKe() == 4)) {
384.	setJamTutuk("19.30");
385.	} else if ((getDari() == 2 && getKe() == 3)
386.	(getDari() == 3 && getKe() == 2)) {
387.	setJamTutuk("22.30");
388.	} else if ((getDari() == 2 && getKe() == 4)
389.	(getDari() == 4 && getKe() == 2)) {
390.	setJamTutuk("22.30");
391.	} else if ((getDari() == 3 && getKe() == 4)
392.	(getDari() == 4 && getKe() == 3)) {
393.	setJamTutuk("21.00");
394.	}
395.	break;
396.	default:
397.	if ((getDari() == 0 && getKe() == 1)    (getDari() ==
398.	1 && getKe() == 0)) {
399.	setJamTutuk("06.30");
400.	setPenambahanHari();
401.	} else if ((getDari() == 0 && getKe() == 2)
402.	(getDari() == 2 && getKe() == 0)) {
403.	setJamTutuk("22.00");
404.	} else if ((getDari() == 0 && getKe() == 3)
405.	(getDari() == 3 && getKe() == 0)) {
406.	setJamTutuk("02.30");
407.	setPenambahanHari();
408.	} else if ((getDari() == 0 && getKe() == 4)
409.	(getDari() == 4 && getKe() == 0)) {
410.	setJamTutuk("03.30");
411.	setPenambahanHari();
412.	} else if ((getDari() == 1 && getKe() == 2)
413.	(getDari() == 2 && getKe() == 1)) {
414.	setJamTutuk("09.00");
415.	setPenambahanHari();
416.	} else if ((getDari() == 3 && getKe() == 1)
417.	(getDari() == 1 && getKe() == 3)) {
418.	setJamTutuk("23.30");
419.	} else if ((getDari() == 4 && getKe() == 1)
420.	(getDari() == 1 && getKe() == 4)) {

405.	setJamTutuk("00.30");
406.	setPenambahanHari();
407.	} else if ((getDari() == 2 && getKe() == 3)
	(getDari() == 3 && getKe() == 2)) {
408.	setJamTutuk("03.30");
409.	setPenambahanHari();
410.	} else if ((getDari() == 2 && getKe() == 4)
	(getDari() == 4 && getKe() == 2)) {
411.	setJamTutuk("03.30");
412.	setPenambahanHari();
413.	} else if ((getDari() == 3 && getKe() == 4)
	(getDari() == 4 && getKe() == 3)) {
414.	setJamTutuk("02.00");
415.	setPenambahanHari();
416.	}
417.	break;
418.	}
419.	
420.	this.jamBudal = jamBudal;
421.	}
422.	
423.	public void setPenambahanHari() {
424.	switch (getTahun()) {
425.	case 2020:
426.	if (getBulan() == 2) {
427.	if (getHari() == 29) {
428.	setHari(1);
429.	setBulan(getBulan() + 1);
430.	} else {
431.	setHari(getHari() + 1);
432.	}
433.	} else if (getBulan() == 4    getBulan() == 6
	getBulan() == 9    getBulan() == 11) {
434.	if (getHari() == 30) {
435.	setHari(1);
436.	setBulan(getBulan() + 1);
437.	} else {
438.	setHari(getHari() + 1);
439.	}
440.	} else {
441.	if (getHari() == 31) {
442.	setHari(1);
443.	setBulan(getBulan() + 1);
444.	} else {
445.	setHari(getHari() + 1);
446.	}
447.	}
448.	break;
449.	case 2014:
450.	if (getBulan() == 2) {
451.	if (getHari() == 29) {
452.	setHari(1);
453.	setBulan(getBulan() + 1);
454.	} else {

455.	setHari(getHari() + 1);
456.	}
457.	} else if (getBulan() == 4    getBulan() == 6
458.	getBulan() == 9    getBulan() == 11) {
459.	if (getHari() == 30) {
460.	setHari(1);
461.	setBulan(getBulan() + 1);
462.	} else {
463.	setHari(getHari() + 1);
464.	}
465.	} else {
466.	if (getHari() == 31) {
467.	setHari(1);
468.	setBulan(getBulan() + 1);
469.	} else {
470.	setHari(getHari() + 1);
471.	}
472.	break;
473.	default:
474.	if (getBulan() == 2) {
475.	if (getHari() == 28) {
476.	setHari(1);
477.	setBulan(getBulan() + 1);
478.	} else {
479.	setHari(getHari() + 1);
480.	}
481.	} else if (getBulan() == 4    getBulan() == 6
482.	getBulan() == 9    getBulan() == 11) {
483.	if (getHari() == 30) {
484.	setHari(1);
485.	setBulan(getBulan() + 1);
486.	} else {
487.	setHari(getHari() + 1);
488.	}
489.	} else {
490.	if (getHari() == 31) {
491.	setHari(1);
492.	setBulan(getBulan() + 1);
493.	} else {
494.	setHari(getHari() + 1);
495.	}
496.	}
497.	}
498.	
499.	public String getJamTutuk() {
500.	return jamTutuk;
501.	}
502.	
503.	public void setJamTutuk(String jamTutuk) {
504.	this.jamTutuk = jamTutuk;
505.	}
506.	



507.	<code>public String getNama() {</code>
508.	<code>    return nama;</code>
509.	<code>}</code>
510.	
511.	<code>public void setNama(String nama) {</code>
512.	<code>    this.nama = nama;</code>
513.	<code>}</code>
514.	
515.	<code>public String getEmail() {</code>
516.	<code>    return email;</code>
517.	<code>}</code>
518.	
519.	<code>public void setEmail(String email) {</code>
520.	<code>    this.email = email;</code>
521.	<code>}</code>
522.	
523.	<code>public long getNomorIdentitas() {</code>
524.	<code>    return nomorIdentitas;</code>
525.	<code>}</code>
526.	
527.	<code>public void setNomorIdentitas(long nomorIdentitas) {</code>
528.	<code>    this.nomorIdentitas = nomorIdentitas;</code>
529.	<code>}</code>
530.	
531.	<code>public long getNomorHP() {</code>
532.	<code>    return nomorHP;</code>
533.	<code>}</code>
534.	
535.	<code>public void setNomorHP(long nomorHP) {</code>
536.	<code>    this.nomorHP = nomorHP;</code>
537.	<code>}</code>
538.	
539.	<code>public int getDari() {</code>
540.	<code>    return dari;</code>
541.	<code>}</code>
542.	
543.	<code>public void setDari(int dari) {</code>
544.	<code>    this.dari = dari;</code>
545.	<code>}</code>
546.	
547.	<code>public int getKe() {</code>
548.	<code>    return ke;</code>
549.	<code>}</code>
550.	
551.	<code>public void setKe(int ke) {</code>
552.	<code>    this.ke = ke;</code>
553.	<code>}</code>
554.	
555.	<code>public int getHari() {</code>
556.	<code>    return hari;</code>
557.	<code>}</code>
558.	
559.	<code>public void setHari(int hari) {</code>
560.	<code>    this.hari = hari;</code>

561.	}
562.	
563.	public int getBulan() {
564.	return bulan;
565.	}
566.	
567.	public void setBulan(int bulan) {
568.	this.bulan = bulan;
569.	}
570.	
571.	public int getTahun() {
572.	return tahun;
573.	}
574.	
575.	public void setTahun(int tahun) {
576.	this.tahun = tahun;
577.	}
578.	
579.	public int getHaril() {
580.	return haril;
581.	}
582.	
583.	public void setHaril(int haril) {
584.	this.haril = haril;
585.	}
586.	
587.	public int getBulan1() {
588.	return bulan1;
589.	}
590.	
591.	public void setBulan1(int bulan1) {
592.	this.bulan1 = bulan1;
593.	}
594.	
595.	public int getTahun1() {
596.	return tahun1;
597.	}
598.	
599.	public void setTahun1(int tahun1) {
600.	this.tahun1 = tahun1;
601.	}
602.	
603.	public int getJmlorang() {
604.	return jmlorang;
605.	}
606.	
607.	public void setJmlorang(int jmlorang) {
608.	this.jmlorang = jmlorang;
609.	}
610.	
611.	public int getKursi() {
612.	return kursi;
613.	}
614.	

615.	<code>public void setKursi(int kursi) {</code>
616.	<code>    this.kursi = kursi;</code>
617.	<code>}</code>
618.	
619.	<code>}</code>

## 2. Class Tampilan

Tampilan.java	
/*Cek exception dan program dari menu pesawat*/	
1.	<code>private void</code>
	<code>lanjutkanPlActionPerformed(java.awt.event.ActionEvent</code>
	<code>evt) {</code>
2.	<code>    // TODO add your handling code here:</code>
3.	<code>    try {</code>
4.	<code>        int ntahun = (int) tahun.getValue();</code>
5.	<code>        int nbulan = (int) bulan.getValue();</code>
6.	<code>        int nhari = (int) hari.getValue();</code>
7.	<code>        switch (ntahun) {</code>
8.	<code>            case 2020:</code>
9.	<code>                if (nbulan == 2) {</code>
10.	<code>                    if (nhari &gt; 29) {</code>
11.	<code>                        throw new Exception();</code>
12.	<code>                    }</code>
13.	<code>                } else if (nbulan == 4    nbulan == 6</code>
	<code>   nbulan == 9    nbulan == 11) {</code>
14.	<code>                    if (nhari &gt; 30) {</code>
15.	<code>                        throw new Exception();</code>
16.	<code>                    }</code>
17.	<code>                }</code>
18.	<code>                break;</code>
19.	<code>            case 2014:</code>
20.	<code>                if (nbulan == 2) {</code>
21.	<code>                    if (nhari &gt; 29) {</code>
22.	<code>                        throw new Exception();</code>
23.	<code>                    }</code>
24.	<code>                } else if (nbulan == 4    nbulan == 6</code>
	<code>   nbulan == 9    nbulan == 11) {</code>
25.	<code>                    if (nhari &gt; 30) {</code>
26.	<code>                        throw new Exception();</code>
27.	<code>                    }</code>
28.	<code>                }</code>
29.	<code>                break;</code>
30.	<code>        default:</code>

31.	if (nbulan == 2) {
32.	if (nhari > 28) {
33.	throw new Exception();
34.	}
35.	} else if (nbulan == 4    nbulan == 6
36.	nbulan == 9    nbulan == 11) {
37.	if (nhari > 30) {
38.	throw new Exception();
39.	}
40.	}
41.	if (economy.isSelected()    vip.isSelected())
42.	{
43.	if (wolu.isSelected()
44.	loro.isSelected()    pitu.isSelected()) {
45.	} else {
46.	throw new Exception();
47.	}
48.	} else {
49.	throw new Exception();
50.	}
51.	if (dari.getSelectedIndex() ==
52.	ke.getSelectedIndex()) {
53.	throw new Exception();
54.	}
55.	tampilawal.removeAll();
56.	tampilawal.add(pesawat2);
57.	tampilawal.repaint();
58.	tampilawal.revalidate();
59.	} catch (Exception e) {
60.	JOptionPane.showMessageDialog(null, "Masukkan
61.	data dengan benar, perhatikan tanggal ataupun pengisian
62.	data lainnya");
63.	}
64.	}
65.	private void
	lanjutkanP2ActionPerformed(java.awt.event.ActionEvent
	evt) {
	// TODO add your handling code here
	try {
	int pilihan = JOptionPane.YES_NO_OPTION;

	int hasilpilihan =
66.	JOptionPane.showConfirmDialog(this, "Anda yakin data diri sudah benar?", "PERINGATAN", pilihan);
67.	if (hasilpilihan == 0) {
68.	
69.	DataBase data = new DataBase();
70.	
71.	int ntahun = (int) tahun.getValue();
72.	int nbulan = (int) bulan.getValue();
73.	int nhari = (int) hari.getValue();
74.	int jumlah = (int) jmlorang.getValue();
75.	
76.	data.setDari(dari.getSelectedIndex());
77.	data.setKe(ke.getSelectedIndex());
78.	data.setHari(nhari);
79.	data.setBulan(nbulan);
80.	data.setTahun(ntahun);
81.	data.setJmlorang(jumlah);
82.	
83.	if (economy.isSelected()) {
84.	data.setKursi(0);
85.	setJenisKursi(0);
86.	} else {
87.	data.setKursi(1);
88.	setJenisKursi(0);
89.	}
90.	
91.	if (wolu.isSelected()) {
92.	data.setJamBudal("08.00");
93.	} else if (loro.isSelected()) {
94.	data.setJamBudal("14.00");
95.	} else if (pitu.isSelected()) {
96.	data.setJamBudal("19.00");
97.	}
98.	
99.	data.setHarga("pesawat", data.getDari(), data.getKe());
100.	setJumlahOrang(jumlah);
101.	setHargaTiket(data.getHarga());
102.	
103.	data.setNama(NL.getText());
104.	data.setNomorIdentitas(Long.parseLong(NI.getText()));

105.	data.setNomorHP(Long.parseLong(NH.getText()));
106.	data.setEmail(NE.getText());
107.	
108.	PembelianSukses ps = new
109.	PembelianSukses();
110.	if (sisasaldo() < 0) {
111.	JOptionPane.showMessageDialog(null,
112.	"Saldo Tidak Mencukupi", "PERINGATAN",
113.	JOptionPane.WARNING_MESSAGE);
114.	throw new HeadlessException();
115.	}
116.	ps.saldo(sisasaldo());
117.	ps.booking();
118.	ps.setBudal((String)
119.	dari.getSelectedItemAt());
120.	ps.setTutuk((String)
121.	ke.getSelectedItemAt());
122.	ps.setJamBudal(data.getJamBudal());
123.	ps.setJamTutuk(data.getJamTutuk());
124.	ps.setDinoBudal(data.getHari() + " / " +
125.	data.getBulan() + " / " + data.getTahun());
126.	ps.setDinoTutuk(data.getHari() + " / " +
127.	data.getBulan() + " / " + data.getTahun());
128.	ps.setNama(data.getNama());
129.	ps.setNoid((String)
130.	JenisNomorIdentitas.getSelectedItemAt());
131.	ps.setNomorid(data.getNomorIdentitas());
132.	ps.setNotelp(data.getNomorHP());
133.	ps.setEmail(data.getEmail());
134.	ps.setHarga(getHargaTiket());
135.	ps.setJumlahOrang(jumlah);
136.	ps.setTotalHarga(getJumlahOrang() *
137.	getHargaTiket());
	if (NL.getText() == null    NE.getText()
	== null) {
	throw new NullPointerException();
	}
	this.dispose();
	ps.setVisible(true);

138.	}
139.	} catch (HeadlessException   NullPointerException   NumberFormatException e) {
140.	JOptionPane.showMessageDialog(null, "Masukkan data dengan benar, perhatikan pengisian huruf, angka ataupun pengisian data lainnya");
141.	}
142.	}

Tampilan.java	
/*Cek exception dan program dari menu kereta*/	
1.	private void lanjutkanK1ActionPerformed(java.awt.event.ActionEvent evt) {
2.	// TODO add your handling code here:
3.	try {
4.	int ntahun = (int) tahun1.getValue();
5.	int nbulan = (int) bulan1.getValue();
6.	int nhari = (int) hari1.getValue();
7.	
8.	switch (ntahun) {
9.	case 2020:
10.	if (nbulan == 2) {
11.	if (nhari > 29) {
12.	throw new Exception();
13.	}
14.	} else if (nbulan == 4    nbulan == 6    nbulan == 9    nbulan == 11) {
15.	if (nhari > 30) {
16.	throw new Exception();
17.	}
18.	}
19.	break;
20.	case 2014:
21.	if (nbulan == 2) {
22.	if (nhari > 29) {
23.	throw new Exception();
24.	}
25.	} else if (nbulan == 4    nbulan == 6    nbulan == 9    nbulan == 11) {
26.	if (nhari > 30) {
27.	throw new Exception();
28.	}

29.	}
30.	break;
31.	default:
32.	if (nbulan == 2) {
33.	if (nhari > 28) {
34.	throw new Exception();
35.	}
36.	} else if (nbulan == 4    nbulan == 6
37.	nbulan == 9    nbulan == 11) {
38.	if (nhari > 30) {
39.	throw new Exception();
40.	}
41.	}
42.	
43.	if (economy1.isSelected()
44.	vip1.isSelected()) {
45.	if (wolul.isSelected()
46.	lorol.isSelected()    pitul.isSelected()) {
47.	} else {
48.	throw new Exception();
49.	}
50.	} else {
51.	throw new Exception();
52.	}
53.	if (daril.getSelectedIndex() ==
54.	kel.getSelectedIndex()) {
55.	throw new Exception();
56.	}
57.	tampilawal.removeAll();
58.	tampilawal.add(kereta2);
59.	tampilawal.repaint();
60.	tampilawal.revalidate();
61.	} catch (Exception e) {
62.	JOptionPane.showMessageDialog(null, "Masukkan
63.	data dengan benar, perhatikan tanggal ataupun pengisian
64.	data lainnya");
65.	}



66.	private void lanjutkanK2ActionPerformed(java.awt.event.ActionEvent evt) {
67.	// TODO add your handling code here:
68.	try {
69.	int pilihan = JOptionPane.YES_NO_OPTION;
70.	int hasilpilihan = JOptionPane.showConfirmDialog(this, "Anda yakin data diri sudah benar?", "PERINGATAN", pilihan);
71.	if (hasilpilihan == 0) {
72.	
73.	DataBase data = new DataBase();
74.	
75.	int ntahun = (int) tahun1.getValue();
76.	int nbulan = (int) bulan1.getValue();
77.	int nhari = (int) hari1.getValue();
78.	int jumlah = (int) jmlorang1.getValue();
79.	
80.	data.setDari(daril.getSelectedIndex());
81.	data.setKe(ke1.getSelectedIndex());
82.	data.setHari(nhari);
83.	data.setBulan(nbulan);
84.	data.setTahun(ntahun);
85.	data.setJmlorang(jumlah);
86.	
87.	if (economy1.isSelected()) {
88.	data.setKursi(0);
89.	setJenisKursi(0);
90.	} else {
91.	data.setKursi(1);
92.	setJenisKursi(1);
93.	}
94.	
95.	data.setHarga("kereta", data.getDari(), data.getKe());
96.	setJumlahOrang(jumlah);
97.	setHargaTiket(data.getHarga());
98.	
99.	data.setNama(NL1.getText());
100.	data.setNomorIdentitas(Long.parseLong(NI1.getText()));
101.	data.setNomorHP(Long.parseLong(NH1.getText()));
102.	data.setEmail(NE1.getText());

103.	
104.	PembelianSukses ps = new
105.	PembelianSukses();
106.	if (sisasaldo() < 0) {
107.	JOptionPane.showMessageDialog(null,
108.	"Saldo Tidak Mencukupi", "PERINGATAN",
109.	JOptionPane.WARNING_MESSAGE);
110.	throw new HeadlessException();
111.	}
112.	ps.saldo(sisasaldo());
113.	ps.booking();
114.	ps.setBudal((String)
115.	daril.getSelectedItemAt());
116.	ps.setTutuk((String)
117.	kel.getSelectedItemAt());
118.	ps.setDinoBudal(data.getHari() + " / " +
119.	data.getBulan() + " / " + data.getTahun());
120.	if (wolul.isSelected()) {
121.	data.setJamBudal1("08.00");
122.	} else if (lorol.isSelected()) {
123.	data.setJamBudal1("14.00");
124.	} else if (pitul.isSelected()) {
125.	data.setJamBudal1("19.00");
126.	}
127.	ps.setJamBudal(data.getJamBudal());
128.	ps.setJamTutuk(data.getJamTutuk());
129.	ps.setDinoTutuk(data.getHari() + " / " +
130.	data.getBulan() + " / " + data.getTahun());
131.	ps.setNama(data.getNama());
132.	ps.setNoid((String)
133.	JenisNomorIdentitas1.getSelectedItemAt());
134.	ps.setNomorid(data.getNomorIdentitas());
135.	ps.setNotelp(data.getNomorHP());
136.	ps.setEmail(data.getEmail());
	ps.setHarga(getHargaTiket());
	ps.setJumlahOrang(jumlah);
	ps.setTotalHarga(getJumlahOrang() *
	getHargaTiket());

137.	if (NL1.getText() == null
138.	NE1.getText() == null) {
139.	throw new NullPointerException();
140.	}
141.	this.dispose();
142.	ps.setVisible(true);
143.	}
144.	} catch (HeadlessException   NullPointerException
	NumberFormatException e) {
145.	JOptionPane.showMessageDialog(null, "Masukkan
	data dengan benar, perhatikan pengisian huruf, angka
146.	ataupun pengisian data lainnya");
147.	}

Tampilan.java	
/*Cek exception dan program dari menu hotel*/	
1.	<code>private void lanjutkanH1ActionPerformed(java.awt.event.ActionEvent evt) {</code>
2.	<code>    // TODO add your handling code here:</code>
3.	<code>    try {</code>
4.	<code>        int ntahun2 = (int) tahun2.getValue();</code>
5.	<code>        int nbulan2 = (int) bulan2.getValue();</code>
6.	<code>        int nhari2 = (int) hari2.getValue();</code>
7.	
8.	<code>        switch (ntahun2) {</code>
9.	<code>            case 2020:</code>
10.	<code>                if (nbulan2 == 2) {</code>
11.	<code>                    if (nhari2 &gt; 29) {</code>
12.	<code>                        throw new Exception();</code>
13.	<code>                    }</code>
14.	<code>                } else if (nbulan2 == 4    nbulan2 == 6    nbulan2 == 9    nbulan2 == 11) {</code>
15.	<code>                    if (nhari2 &gt; 30) {</code>
16.	<code>                        throw new Exception();</code>
17.	<code>                    }</code>
18.	<code>                }</code>
19.	<code>                break;</code>
20.	<code>            case 2014:</code>
21.	<code>                if (nbulan2 == 2) {</code>
22.	<code>                    if (nhari2 &gt; 29) {</code>

23.	throw new Exception();
24.	}
25.	} else if (nbulan2 == 4    nbulan2 ==
26.	6    nbulan2 == 9    nbulan2 == 11) {
27.	if (nhari2 > 30) {
28.	throw new Exception();
29.	}
30.	break;
31.	default:
32.	if (nbulan2 == 2) {
33.	if (nhari2 > 28) {
34.	throw new Exception();
35.	}
36.	} else if (nbulan2 == 4    nbulan2 ==
37.	6    nbulan2 == 9    nbulan2 == 11) {
38.	if (nhari2 > 30) {
39.	throw new Exception();
40.	}
41.	}
42.	
43.	int ntahun3 = (int) tahun3.getValue();
44.	int nbulan3 = (int) bulan3.getValue();
45.	int nhari3 = (int) hari3.getValue();
46.	
47.	switch (ntahun3) {
48.	case 2020:
49.	if (nbulan3 == 2) {
50.	if (nhari3 > 29) {
51.	throw new Exception();
52.	}
53.	} else if (nbulan3 == 4    nbulan3 ==
54.	6    nbulan3 == 9    nbulan3 == 11) {
55.	if (nhari3 > 30) {
56.	throw new Exception();
57.	}
58.	break;
59.	case 2014:
60.	if (nbulan3 == 2) {
61.	if (nhari3 > 29) {
62.	throw new Exception();

63.	}
64.	} else if (nbulan3 == 4    nbulan3 ==
65.	6    nbulan3 == 9    nbulan3 == 11) {
66.	if (nhari3 > 30) {
67.	throw new Exception();
68.	}
69.	} break;
70.	default:
71.	if (nbulan3 == 2) {
72.	if (nhari3 > 28) {
73.	throw new Exception();
74.	}
75.	} else if (nbulan3 == 4    nbulan3 ==
76.	6    nbulan3 == 9    nbulan3 == 11) {
77.	if (nhari3 > 30) {
78.	throw new Exception();
79.	}
80.	}
81.	
82.	if (ntahun3 < ntahun2) {
83.	throw new Exception();
84.	} else {
85.	if (nbulan3 < nbulan2) {
86.	throw new Exception();
87.	} else {
88.	if (nhari3 <= nhari2) {
89.	throw new Exception();
90.	}
91.	}
92.	}
93.	
94.	if (economy2.isSelected()
95.	vip2.isSelected()) {
96.	} else {
97.	throw new Exception();
98.	}
99.	tampilawal.removeAll();
100.	tampilawal.add(hotel2);
101.	tampilawal.repaint();
102.	tampilawal.revalidate();

103.	
104.	} catch (Exception e) {
105.	JOptionPane.showMessageDialog(null, "Masukkan data dengan benar, perhatikan tanggal ataupun pengisian data lainnya");
106.	}
107.	}
108.	
109.	private void lanjutkanH2ActionPerformed(java.awt.event.ActionEvent evt) {
110.	// TODO add your handling code here:
111.	try {
112.	int pilihan = JOptionPane.YES_NO_OPTION;
113.	int hasilpilihan = JOptionPane.showConfirmDialog(this, "Anda yakin data diri sudah benar?", "PERINGATAN", pilihan);
114.	if (hasilpilihan == 0) {
115.	
116.	DataBase data = new DataBase();
117.	
118.	int ntahun2 = (int) tahun2.getValue();
119.	int nbulan2 = (int) bulan2.getValue();
120.	int nhari2 = (int) hari2.getValue();
121.	int ntahun3 = (int) tahun3.getValue();
122.	int nbulan3 = (int) bulan3.getValue();
123.	int nhari3 = (int) hari3.getValue();
124.	int jumlah = (int) jmlorang2.getValue();
125.	
126.	data.setDari(kota.getSelectedIndex());
127.	data.setKe(hotel.getSelectedIndex());
128.	data.setHari(nhari2);
129.	data.setBulan(nbulan2);
130.	data.setTahun(ntahun2);
131.	data.setHari1(nhari3);
132.	data.setBulan1(nbulan3);
133.	data.setTahun1(ntahun3);
134.	data.setJmlorang(jumlah);
135.	
136.	if (economy2.isSelected()) {
137.	data.setKursi(0);
138.	setJenisKursi(0);
139.	} else {
140.	data.setKursi(1);

141.	setJenisKursi(1);
142.	}
143.	
144.	data.setHarga("hotel", data.getDari(),
145.	data.getKe());
146.	setJumlahOrang(jumlah);
147.	setHargaTiket(data.getHarga());
148.	data.setNama(NL2.getText());
149.	data.setNomorIdentitas(Long.parseLong(NI2.getText()));
150.	data.setNomorHP(Long.parseLong(NH2.getText()));
151.	data.setEmail(NE2.getText());
152.	
153.	PembelianSukses ps = new
154.	PembelianSukses();
155.	if (sisasaldo() < 0) {
156.	JOptionPane.showMessageDialog(null,
157.	"Saldo Tidak Mencukupi", "PERINGATAN",
158.	JOptionPane.WARNING_MESSAGE);
159.	throw new HeadlessException();
160.	}
161.	ps.saldo(sisasaldo());
162.	ps.booking();
163.	ps.setBudal((String)
164.	kota.getSelectedItemAt());
165.	ps.setTutup((String)
166.	hotel.getSelectedItemAt());
167.	ps.setDinoBudal(data.getHari() + " / " +
168.	data.getBulan() + " / " + data.getTahun());
169.	ps.setDinoTutup(data.getHari1() + " / " +
170.	data.getBulan1() + " / " + data.getTahun1());
171.	ps.setJamBudal("00.00");
172.	ps.setJamTutup("24.00");
173.	ps.setNama(data.getNama());
	ps.setNoid((String)
	JenisNomorIdentitas2.getSelectedItemAt());
	ps.setNomorid(data.getNomorIdentitas());
	ps.setNotelp(data.getNomorHP());
	ps.setEmail(data.getEmail());
	ps.setHarga(getHargaTiket());

174.	ps.setJumlahOrang(jumlah);
175.	ps.setTotalHarga(getJumlahOrang() * getHargaTiket());
176.	
177.	if (NL2.getText() == null    NE2.getText() == null) {
178.	throw new NullPointerException();
179.	}
180.	
181.	this.dispose();
182.	ps.setVisible(true);
183.	}
184.	} catch (HeadlessException   NullPointerException   NumberFormatException e) {
185.	JOptionPane.showMessageDialog(null, "Masukkan data dengan benar, perhatikan pengisian huruf, angka ataupun pengisian data lainnya");
186.	}
187.	}
188.	
189.	private void
190.	kotaActionPerformed(java.awt.event.ActionEvent evt) {
191.	// TODO add your handling code here:
192.	if (kota.getSelectedIndex() == 0) {
193.	String[] isiKe2 = {"Dirja Hotel", "Golden Boutique", "Pullman Jakarta"};
194.	ComboBoxModel IsiKe2 = new DefaultComboBoxModel(isiKe2);
195.	hotel.setModel(IsiKe2);
196.	} else if (kota.getSelectedIndex() == 1) {
197.	String[] isiKe2 = {"Aimer Premier", "The Alang", "JW Marriott"};
198.	ComboBoxModel IsiKe2 = new DefaultComboBoxModel(isiKe2);
199.	hotel.setModel(IsiKe2);
200.	} else if (kota.getSelectedIndex() == 2) {
201.	String[] isiKe2 = {"Moscato Hotel", "Mason Pine", "Sheraton Hotel"};
202.	ComboBoxModel IsiKe2 = new DefaultComboBoxModel(isiKe2);
203.	hotel.setModel(IsiKe2);
204.	} else if (kota.getSelectedIndex() == 3) {
	String[] isiKe2 = {"Marison Nindya", "GranDhika Hotel", "Hotel Ciputra"};



205.	ComboBoxModel IsiKe2 = new
206.	DefaultComboBoxModel(isiKe2);
207.	hotel.setModel(IsiKe2);
208.	} else {
209.	String[] isiKe2 = {"MMUGM Hotel", "The Rich
210.	Jogja", "Yogyakarta Marriott"};
211.	ComboBoxModel IsiKe2 = new
212.	DefaultComboBoxModel(isiKe2);
	hotel.setModel(IsiKe2);
	}
	}

Tampilan.java	
/*Cek exception dan program dari menu makanan*/	
1.	private void
2.	jLabel103MouseClicked(java.awt.event.MouseEvent evt) {
3.	// TODO add your handling code here:
4.	int pilihan = JOptionPane.YES_NO_OPTION;
5.	int hasilpilihan =
6.	JOptionPane.showConfirmDialog(this, "Anda yakin pesan
7.	ini?", "PERINGATAN", pilihan);
8.	if (hasilpilihan == 0) {
9.	DataBase data = new DataBase();
10.	data.setPesanan(pesanan);
11.	data.setJmlorang((int) jmlorang3.getValue());
12.	setHargaTiket(data.getHarga());
13.	setJumlahOrang(data.getJmlorang());
14.	PembelianSukses1 ps1 = new
15.	PembelianSukses1();
16.	if (sisasaldo() < 0) {
17.	JOptionPane.showMessageDialog(null,
18.	"Saldo Tidak Mencukupi", "PERINGATAN",
19.	JOptionPane.WARNING_MESSAGE);
20.	throw new HeadlessException();
21.	}
22.	ps1.saldo(sisaSaldo());
23.	ps1.booking();

24.	ps1.setNamaPesanan(data.getNamaPesanan());
25.	ps1.setHarga(getHargaTiket());
26.	ps1.setJumlahOrang(getJumlahOrang());
27.	ps1.setTotalHarga(getJumlahOrang() * getHargaTiket());
28.	
29.	this.dispose();
30.	ps1.setVisible(true);
31.	}
32.	}

Tampilan.java	
/*Cek exception dan program dari menu bioskop*/	
1.	private void jButton10ActionPerformed(java.awt.event.ActionEvent evt)
	{
2.	// TODO add your handling code here:
3.	C1.setBackground(getWarna());
4.	C2.setBackground(getWarna());
5.	C3.setBackground(getWarna());
6.	C4.setBackground(getWarna());
7.	C5.setBackground(getWarna());
8.	D1.setBackground(getWarna());
9.	D2.setBackground(getWarna());
10.	D3.setBackground(getWarna());
11.	D4.setBackground(getWarna());
12.	D5.setBackground(getWarna());
13.	E1.setBackground(getWarna());
14.	E2.setBackground(getWarna());
15.	E3.setBackground(getWarna());
16.	E4.setBackground(getWarna());
17.	E5.setBackground(getWarna());
18.	if (jam1.isSelected()) {
19.	setJam(jam1.getText());
20.	setHargaB(30000);
21.	bioskop1.removeAll();
22.	bioskop1.add(seat);
23.	bioskop1.revalidate();
24.	bioskop1.repaint();
25.	} else if (jam2.isSelected()) {
26.	setJam(jam2.getText());
27.	setHargaB(30000);
28.	bioskop1.removeAll();

29.	bioskop1.add(seat);
30.	bioskop1.revalidate();
31.	bioskop1.repaint();
32.	} else if (jam3.isSelected()) {
33.	setJam(jam3.getText());
34.	setHargaB(30000);
35.	bioskop1.removeAll();
36.	bioskop1.add(seat);
37.	bioskop1.revalidate();
38.	bioskop1.repaint();
39.	} else if (jam4.isSelected()) {
40.	jam();
41.	jam4.setSelected(true);
42.	setJam(jam4.getText());
43.	setHargaB(30000);
44.	bioskop1.removeAll();
45.	bioskop1.add(seat);
46.	bioskop1.revalidate();
47.	bioskop1.repaint();
48.	} else if (jam5.isSelected()) {
49.	setJam(jam5.getText());
50.	setHargaB(35000);
51.	bioskop1.removeAll();
52.	bioskop1.add(seat);
53.	bioskop1.revalidate();
54.	bioskop1.repaint();
55.	} else if (jam6.isSelected()) {
56.	setJam(jam6.getText());
57.	setHargaB(35000);
58.	bioskop1.removeAll();
59.	bioskop1.add(seat);
60.	bioskop1.revalidate();
61.	bioskop1.repaint();
62.	} else if (jam7.isSelected()) {
63.	setJam(jam7.getText());
64.	setHargaB(35000);
65.	bioskop1.removeAll();
66.	bioskop1.add(seat);
67.	bioskop1.revalidate();
68.	bioskop1.repaint();
69.	} else if (jam8.isSelected()) {
70.	setJam(jam8.getText());
71.	setHargaB(35000);

72.	bioskop1.removeAll();
73.	bioskop1.add(seat);
74.	bioskop1.revalidate();
75.	bioskop1.repaint();
76.	}
77.	}
78.	
79.	public Color getWarna() {
80.	Random baca = new Random();
81.	int ran = baca.nextInt(2);
82.	if (ran == 0) {
83.	return (new Color(255, 51, 51));
84.	} else {
85.	return (new Color(102, 102, 102));
86.	}
87.	}
88.	
89.	private void
90.	jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
91.	// TODO add your handling code here:
92.	setJumlahOrang(0);
93.	if (A1.isSelected()) {
94.	setJumlahOrang(getJumlahOrang() + 1);
95.	}
96.	if (A2.isSelected()) {
97.	setJumlahOrang(getJumlahOrang() + 1);
98.	}
99.	if (A3.isSelected()) {
100.	setJumlahOrang(getJumlahOrang() + 1);
101.	}
102.	if (A4.isSelected()) {
103.	setJumlahOrang(getJumlahOrang() + 1);
104.	}
105.	if (A5.isSelected()) {
106.	setJumlahOrang(getJumlahOrang() + 1);
107.	}
108.	if (B1.isSelected()) {
109.	setJumlahOrang(getJumlahOrang() + 1);
110.	}
111.	if (B2.isSelected()) {
112.	setJumlahOrang(getJumlahOrang() + 1);
113.	}
	if (B3.isSelected()) {

114.	setJumlahOrang(getJumlahOrang() + 1);
115.	}
116.	if (B4.isSelected()) {
117.	setJumlahOrang(getJumlahOrang() + 1);
118.	}
119.	if (B5.isSelected()) {
120.	setJumlahOrang(getJumlahOrang() + 1);
121.	}
122.	if (C1.isSelected()) {
123.	if (C1.getBackground() == (new Color(255, 51,
124.	51))) {
125.	} else {
126.	setJumlahOrang(getJumlahOrang() + 1);
127.	}
128.	if (C2.isSelected()) {
129.	if (C2.getBackground() == (new Color(255, 51,
130.	51))) {
131.	} else {
132.	setJumlahOrang(getJumlahOrang() + 1);
133.	}
134.	if (C3.isSelected()) {
135.	if (C3.getBackground() == (new Color(255, 51,
136.	51))) {
137.	} else {
138.	setJumlahOrang(getJumlahOrang() + 1);
139.	}
140.	if (C4.isSelected()) {
141.	if (C4.getBackground() == (new Color(255, 51,
142.	51))) {
143.	} else {
144.	setJumlahOrang(getJumlahOrang() + 1);
145.	}
146.	if (C5.isSelected()) {
147.	if (C5.getBackground() == (new Color(255, 51,
148.	51))) {
149.	} else {
150.	setJumlahOrang(getJumlahOrang() + 1);
151.	}

152.		if (D1.isSelected()) {
153.		if (D1.getBackground() == (new Color(255, 51,
154.	51))) {	} else {
155.		setJumlahOrang(getJumlahOrang() + 1);
156.		}
157.		}
158.		if (D2.isSelected()) {
159.		if (D2.getBackground() == (new Color(255, 51,
160.	51))) {	} else {
161.		setJumlahOrang(getJumlahOrang() + 1);
162.		}
163.		}
164.		if (D3.isSelected()) {
165.		if (D3.getBackground() == (new Color(255, 51,
166.	51))) {	} else {
167.		setJumlahOrang(getJumlahOrang() + 1);
168.		}
169.		}
170.		if (D4.isSelected()) {
171.		if (D4.getBackground() == (new Color(255, 51,
172.	51))) {	} else {
173.		setJumlahOrang(getJumlahOrang() + 1);
174.		}
175.		}
176.		if (D5.isSelected()) {
177.		if (D5.getBackground() == (new Color(255, 51,
178.	51))) {	} else {
179.		setJumlahOrang(getJumlahOrang() + 1);
180.		}
181.		}
182.		if (E1.isSelected()) {
183.		if (E1.getBackground() == (new Color(255, 51,
184.	51))) {	} else {
185.		setJumlahOrang(getJumlahOrang() + 1);
186.		}
187.		}
188.		if (E2.isSelected()) {

189.	if (E2.getBackground() == (new Color(255, 51,
190.	51))) {
191.	} else {
192.	setJumlahOrang(getJumlahOrang() + 1);
193.	}
194.	if (E3.isSelected()) {
195.	if (E3.getBackground() == (new Color(255, 51,
196.	51))) {
197.	} else {
198.	setJumlahOrang(getJumlahOrang() + 1);
199.	}
200.	}
201.	if (E4.isSelected()) {
202.	if (E4.getBackground() == (new Color(255, 51,
203.	51))) {
204.	} else {
205.	setJumlahOrang(getJumlahOrang() + 1);
206.	}
207.	}
208.	if (E5.isSelected()) {
209.	if (E5.getBackground() == (new Color(255, 51,
210.	51))) {
211.	} else {
212.	setJumlahOrang(getJumlahOrang() + 1);
213.	}
214.	}
215.	PembelianSukses1 ps1 = new PembelianSukses1();
216.	setHargaTiket(getHargaB());
217.	if (sisasaldo() < 0) {
218.	JOptionPane.showMessageDialog(null, "Saldo
219.	Tidak Mencukupi", "PERINGATAN",
220.	JOptionPane.WARNING_MESSAGE);
221.	throw new HeadlessException();
222.	}
223.	ps1.saldo(sisasaldo());
224.	ps1.booking();
225.	ps1.setNamaPesanan("Pemesanan Tiket Bioskop");
	ps1.setHarga(getHargaB());
	ps1.setJumlahOrang(getJumlahOrang());
	ps1.setTotalHarga(getHargaB() * getJumlahOrang());

226.	ps1.setVisible(true);
227.	this.dispose();
228.	}
229.	
230.	public long sisaSaldo() {
231.	long saldoawal = Long.parseLong(saldo.getText());
232.	long saldoakhir = saldoawal - getHargaTiket() * getJumlahOrang();
233.	return saldoakhir;
234.	}
235.	
236.	public void saldoAkhir(String saldodo) {
237.	saldo.setText(saldodo);
238.	}

### 3. Class PembelianSukses

PembelianSukses.java	
1.	private void
2.	jLabel17MouseClicked(java.awt.event.MouseEvent evt) {
3.	// TODO add your handling code here:
4.	this.dispose();
5.	Tampilan t = new Tampilan();
6.	t.saldoAkhir(saldo.getText());
7.	t.setVisible(true);
8.	}
9.	private void
10.	jLabel28MouseEntered(java.awt.event.MouseEvent evt) {
11.	// TODO add your handling code here:
12.	jLabel28.setForeground(Color.MAGENTA);
13.	}
14.	private void
15.	jLabel28MouseExited(java.awt.event.MouseEvent evt) {
16.	// TODO add your handling code here:
17.	jLabel28.setForeground(Color.WHITE);
18.	}
19.	private void
20.	jLabel28MouseClicked(java.awt.event.MouseEvent evt) {
	// TODO add your handling code here:



21.	JOptionPane.showMessageDialog(null, "CONTRIBUTOR\nRifqi Alfi Fahrezi\nThaliah Fauz Ardamayanti\nRidho Nur Rohman Wijaya", "Terima Kasih TiketQ", JOptionPane.INFORMATION_MESSAGE);
22.	}
23.	
24.	public void booking() {
25.	Random r = new Random();
26.	int bil;
27.	String bilangan = "";
28.	for (int i = 0; i < 6; i++) {
29.	bil = r.nextInt(14);
30.	if (bil == 10) {
31.	bilangan += "R";
32.	} else if (bil == 11) {
33.	bilangan += "A";
34.	} else if (bil == 12) {
35.	bilangan += "T";
36.	} else if (bil == 13) {
37.	bilangan += "N";
38.	} else {
39.	bilangan += String.valueOf(bil);
40.	}
41.	}
42.	booking.setText(bilangan);
43.	}
44.	
45.	public void saldo(long sisasaldo) {
46.	saldo.setText(String.valueOf(sisasaldo));
47.	}
48.	
49.	public void setBudal(String b) {
50.	budal.setText(b);
51.	}
52.	
53.	public void setTutuk(String t) {
54.	tutuk.setText(t);
55.	}
56.	
57.	public void setJamBudal(String jb) {
58.	jambudal.setText(jb);
59.	}
60.	

61.	public void setJamTutuk(String jt) {
62.	jamtutuk.setText(jt);
63.	}
64.	
65.	public void setDinoBudal(String db) {
66.	dinobudal.setText(db);
67.	}
68.	
69.	public void setDinoTutuk(String dt) {
70.	dinotutuk.setText(dt);
71.	}
72.	
73.	public void setName(String n) {
74.	nama.setText(n);
75.	}
76.	
77.	public void setNoid(String no) {
78.	noid.setText(no);
79.	}
80.	
81.	public void setNomorid(long No) {
82.	nomorIdentitas.setText(String.valueOf(No));
83.	}
84.	
85.	public void setNotelp(long not) {
86.	notelp.setText(String.valueOf(not));
87.	}
88.	
89.	public void setEmail(String em) {
90.	email.setText(em);
91.	}
92.	
93.	public void setHarga(long har) {
94.	harga.setText(String.valueOf(har));
95.	}
96.	
97.	public void setJumlahOrang(int jp) {
98.	jumlahpenumpang.setText(String.valueOf(jp));
99.	}
100.	
101.	public void setTotalHarga(long total) {
102.	totalharga.setText(String.valueOf(total));
103.	}

#### 4. Class PembelianSukses1

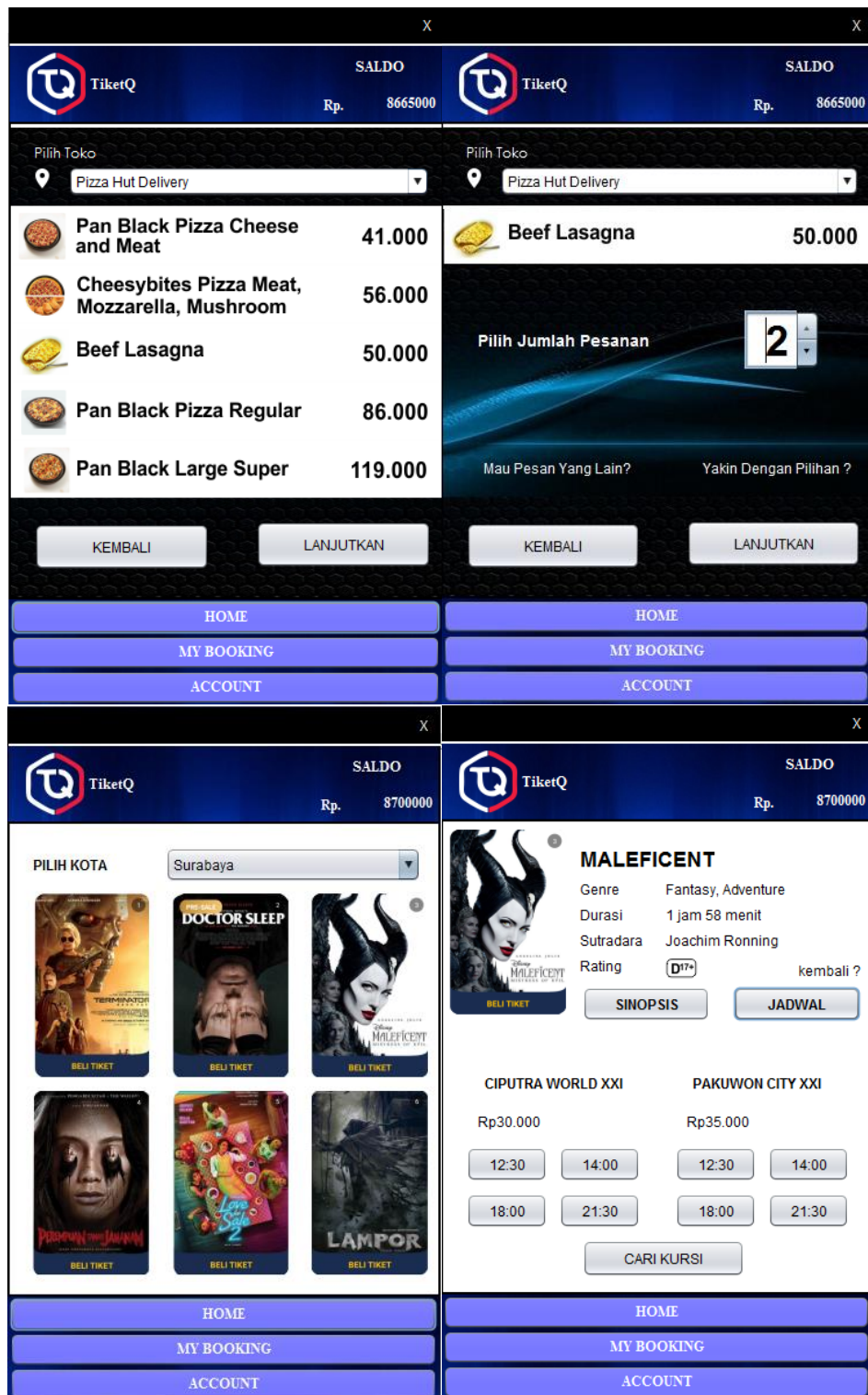
PembelianSukses1.java	
1.	private void
2.	jLabel17MouseClicked(java.awt.event.MouseEvent evt) {
3.	// TODO add your handling code here:
4.	this.dispose();
5.	Tampilan t = new Tampilan();
6.	t.saldoAkhir(saldo.getText());
7.	t.setVisible(true);
8.	}
9.	private void
10.	jLabel28MouseClicked(java.awt.event.MouseEvent evt) {
11.	// TODO add your handling code here:
12.	JOptionPane.showMessageDialog(null,
13.	"CONTRIBUTOR\nRifqi Alfi Fahrezi\nThaliah Fauz
14.	Ardamayanti\nRidho Nur Rohman Wijaya", "Terima Kasih
15.	TiketQ", JOptionPane.INFORMATION_MESSAGE);
16.	}
17.	private void
18.	jLabel28MouseEntered(java.awt.event.MouseEvent evt) {
19.	// TODO add your handling code here:
20.	jLabel28.setForeground(Color.MAGENTA);
21.	}
22.	private void
23.	jLabel28MouseExited(java.awt.event.MouseEvent evt) {
24.	// TODO add your handling code here:
25.	jLabel28.setForeground(Color.WHITE);
26.	}
27.	public void booking() {
28.	Random r = new Random();
29.	int bil;
30.	String bilangan = "";
31.	for (int i = 0; i < 6; i++) {
32.	bil = r.nextInt(14);
33.	if (bil == 10) {
34.	bilangan += "R";
35.	} else if (bil == 11) {
36.	bilangan += "A";




34.	} else if (bil == 12) {
35.	bilangan += "T";
36.	} else if (bil == 13) {
37.	bilangan += "N";
38.	} else {
39.	bilangan += String.valueOf(bil);
40.	}
41.	}
42.	booking.setText(bilangan);
43.	}
44.	
45.	public void saldo(long sisasaldo) {
46.	saldo.setText(String.valueOf(sisasaldo));
47.	}
48.	
49.	public void setNamaPesanan(String NamaPesanan) {
50.	namaPesanan.setText(String.valueOf(NamaPesanan));
51.	}
52.	
53.	public void setHarga(long har) {
54.	harga.setText(String.valueOf(har));
55.	}
56.	
57.	public void setJumlahOrang(int jp) {
58.	jumlahpenumpang.setText(String.valueOf(jp));
59.	}
60.	
61.	public void setTotalHarga(long total) {
62.	totalharga.setText(String.valueOf(total));
63.	}

## C. RUNNING PROGRAM

Hasil outputan dari beberapa input yang dimasukkan dalam program yaitu:

Screenshot 1: Main Menu		Screenshot 2: User Profile	



X	X
 <div>TiketQ</div> <div>SISA SALDO</div> <div>Rp. 8565000</div>	 <div>TiketQ</div> <div>SISA SALDO</div> <div>Rp. 8700000</div>
SELAMAT	SELAMAT
<div>Booking Code R45455</div>  <div>Beef Lasagna</div> <div>*** BERHASIL DIBELI ***</div>	<div>Booking Code 818699</div> <div>Jakarta (JKT) &gt; Semarang (SMG)</div> <div>14.00 15.30</div> <div>2 / 1 / 2019 2 / 1 / 2019</div> <div>DATA DIRI</div> <div>RinRoya</div> <div>KTP 12311213</div> <div>8223345979</div> <div>rin@gmail.com</div>
RINCIAN BIAYA	RINCIAN BIAYA
<div>Harga : Rp. 50000</div> <div>Jumlah : 2</div> <div>Total Pembayaran : Rp. 100000</div>	<div>Harga : Rp. 650000</div> <div>Jumlah : 2</div> <div>Total Pembayaran : Rp. 1300000</div>