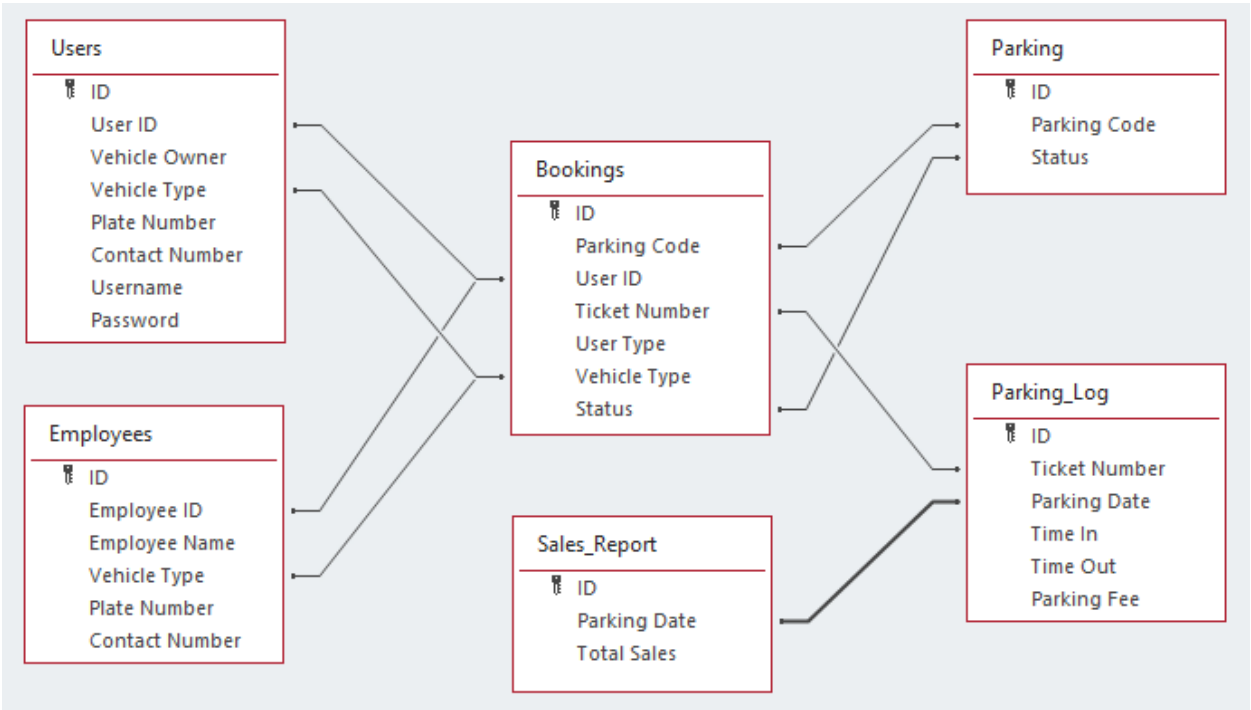


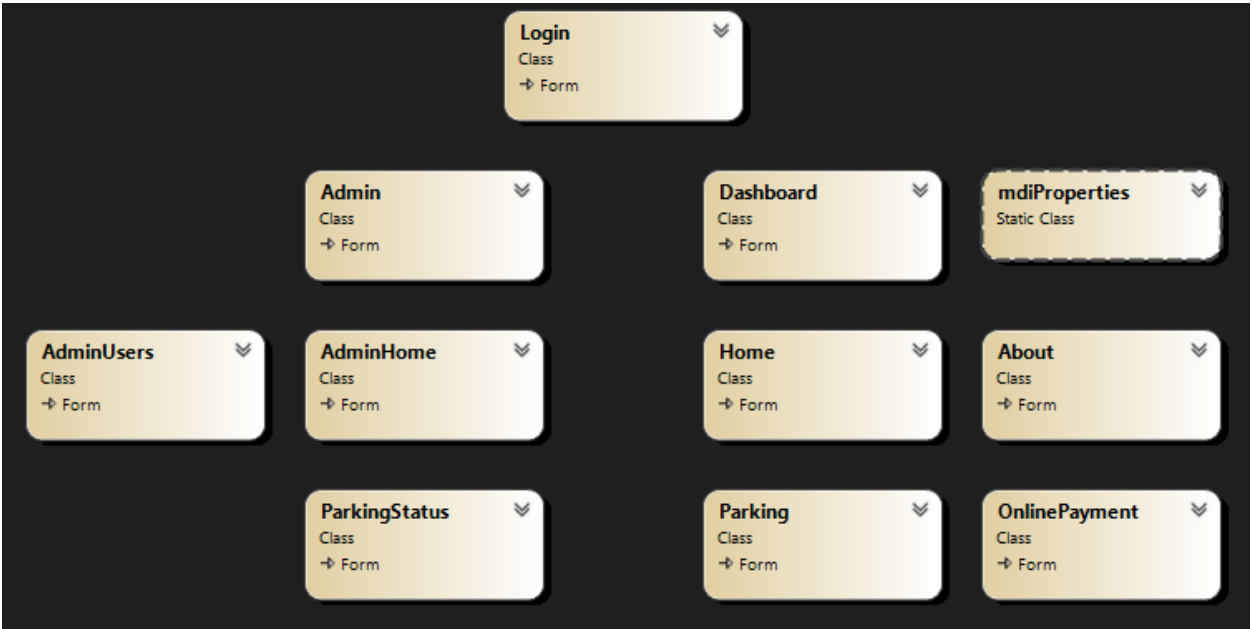
Final Project Documentation

Code: <https://github.com/JHadjirasul/ParkEase>

ERD:



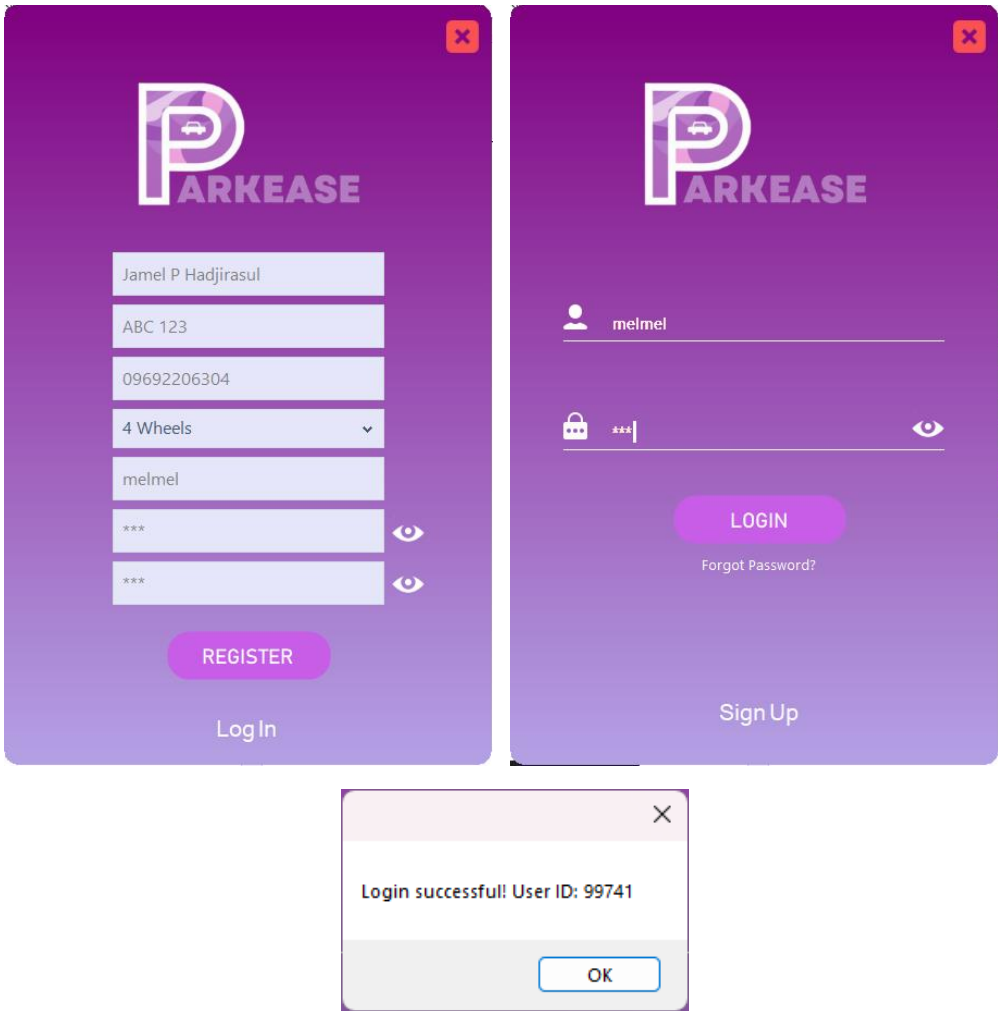
Class Diagram:



SAMPLE OUTPUTS:

Users

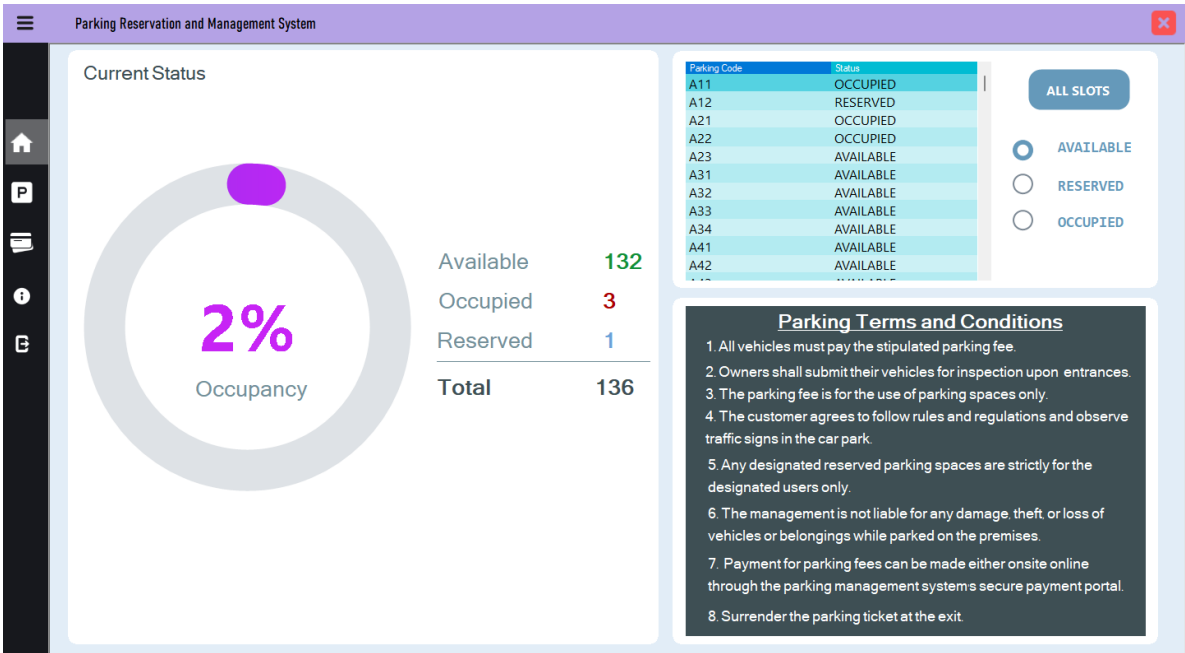
Account Signup and Login – generates User ID after creating an account



Account added into the Users Database

ID	User ID	Vehicle Owner	Vehicle Type	Plate Number	Contact Number	Username	Password
1	85292	Jamel Hadjirasul	4 Wheels	ILY 143	09692206304	jams	123
3	86553	John Doe	2 Wheels	ABC 123	09123456123	johnny	111
4	12331	Arthur	4 Wheels	RDD 111	09213223813	artt	morgan
6	21723	jamjam	4 Wheels	ILY 143	09482921938	jamjam	jam
7	75123	Spongebob	2 Wheels	SBB 123	09321218392	spongebob	bobby
8	12312	Patrick Star	4 Wheels	IJA 123	09451321510	patrick	star
10	65423	James	4 Wheels	AAA 777	09148963218	james	123
11	11111	Alex	2 Wheels	AAA 111	09479877212	alex	aaa
12	22222	Bob	4 Wheels	BBB 222	09111435424	bab	bbb
13	33333	Carl	4 Wheels	CCC 333	09531989202	carl	ccc
14	44444	Dennis	4 Wheels	DDD 444	09115636462	dennis	ddd
16	66666	Faraday	4 Wheels	FFF 666	09555262847	faraday	fff
17	77777	Goliath	4 Wheels	GGG 777	09458791324	goliath	ggg
18	88888	Hailey	4 Wheels	HHH 888	09123788945	hailey	hhh
19	99999	Ivan	2 Wheels	III 999	09995624821	ivan	iii
20	10101	Jake	2 Wheels	JJJ 101	09856541164	jake	jjj
21	60981	Johnny	4 Wheels	ABC 123	09524544457	john	123
22	95804	Justin	2 Wheels	SDJ 521	09918201828	justin	justin
23	31601	Strawberry Jam	2 Wheels	JAM 312	09123801820	jajaja	123
24	27013	Squidward	2 Wheels	DAS 213	09111111111	squidward	111
25	38474	dsa	2 Wheels	DAS	09123810921	dsa	dsa
27	99741	Jamel P Hadjirasul	4 Wheels	ABC 123	09692206304	melmel	123

User Dashboard / Home – view current parking status

</

Parking spot status has been updated in Parking and Bookings table

Users		Bookings		Parking			
Parking Code		Status		Click to Add			
A11		OCCUPIED					
A12		RESERVED					
A21		OCCUPIED					
A22		OCCUPIED					
A23		AVAILABLE					
A31		AVAILABLE					
A32		AVAILABLE					
A33		AVAILABLE					
A34		AVAILABLE					
A41		AVAILABLE					
A42		AVAILABLE					
A43		AVAILABLE					
A44		AVAILABLE					
B11		OCCUPIED					

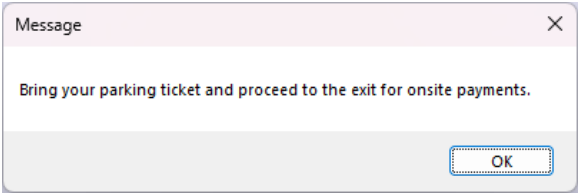
Users		Bookings					
ID	Parking Code	User ID	Ticket Number	User Type	Vehicle Type	Status	
204	B11	99741	B11-741	Regular	4 Wheels	OCCUPIED	

Parking Log table has also been updated (Date and Time In)

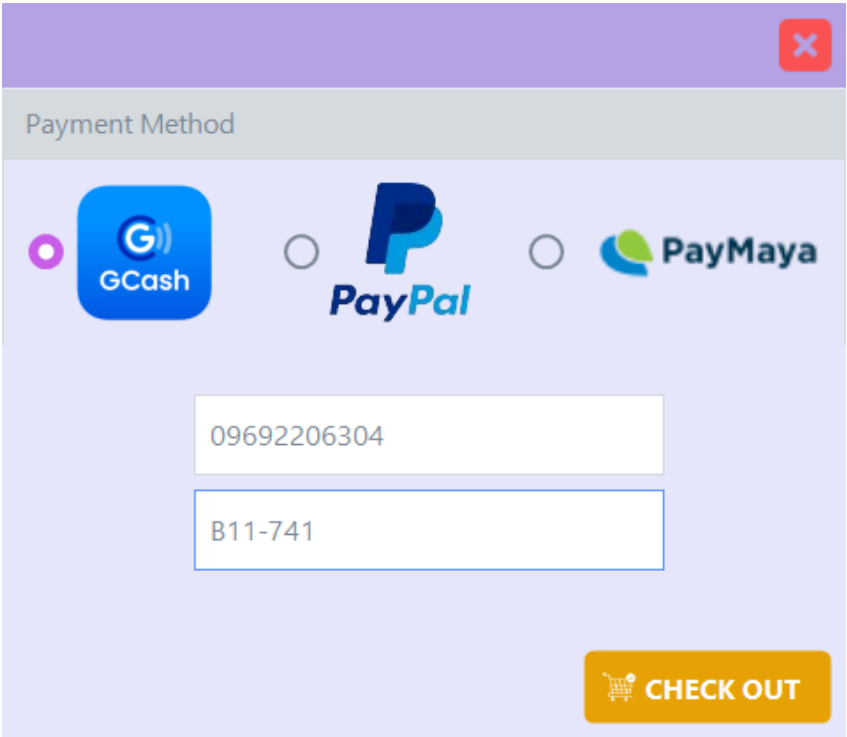
Users		Bookings		Parking		Parking_Log		Sales_Report	
ID	Ticket Number	Parking Date	Time In	Time Out	Parking Fee				
71	C21-888	4/24/2024	6:39	6:45	₱ 80.64				
75	D21-222	4/24/2024	6:40	6:46	₱ 100.80				
84	F33-981	4/24/2024	10:24	10:26	₱ 33.60				
87	A11-292	4/24/2024	17:33	17:54	₱ 436.80				
88	A12-553	4/25/2024	17:33	17:36	₱ 33.60				
89	A21-331	4/25/2024	17:33	17:36	₱ 33.60				
92	A12-101	4/25/2024	18:03	18:04	₱ 33.60				
93	B11-292	4/25/2024	19:24	19:26	₱ 33.60				
94	B12-292	4/25/2024	19:48	19:53	₱ 78.40				
95	A11-553	4/25/2024	19:20	22:22	₱ 4,043.20				
96	B23-331	4/25/2024	19:20	22:28	₱ 4,177.60				
110	K32-804	4/26/2024	6:40	6:45	₱ 78.40				
111	C11-123	4/26/2024	7:25		₱ 0.00				
112	D22-456	4/26/2024	7:26		₱ 0.00				
113	L22-454	4/26/2024	7:26		₱ 0.00				
115	L23-019	4/26/2024	7:26		₱ 0.00				
124	A23-512	4/26/2024	7:26		₱ 0.00				
125	C33-171	4/26/2024	7:27		₱ 0.00				
126	G42-292	4/26/2024	7:27		₱ 0.00				
127	G22-327	4/26/2024	7:44	7:45	₱ 33.60				
128	G22-510	4/26/2024	7:47		₱ 0.00				
129	A21-292	4/27/2024	14:58	14:59	₱ 33.60				
130	B11-741	5/2/2024	18:51		₱ 0.00				

Payment Options – for checking out

OTC (On the Counter) – admin will check out the user



Online – generates a receipt after successful payment



Receipt

Elizabeth Mall

Natalio B. Bacalso Ave, Cebu City, 6000 Cebu

Parking Reservation and Management System

Tel. No. 417-7735 to 38 Fax

VAT REG. TIN #. 005-255-946 000

Serial # ELOQ1HDV1C

Permit # 0111-082-89826-000

MN 110193842

Date: 5/2/2024 7:04 PM

Ticket #: B11-741

Time In: 6:51 PM

Time Out: 7:04 PM

Elapsed: 00:13:00

Plate #: ABC 123

User Type: Regular

Vehicle Type: 4 Wheels

Charge:230.00

Vat Tax:30.91

Discount:0%

Payment Method: ONLINE

Total:257.6

THIS IS AN UNOFFICIAL RECEIPT

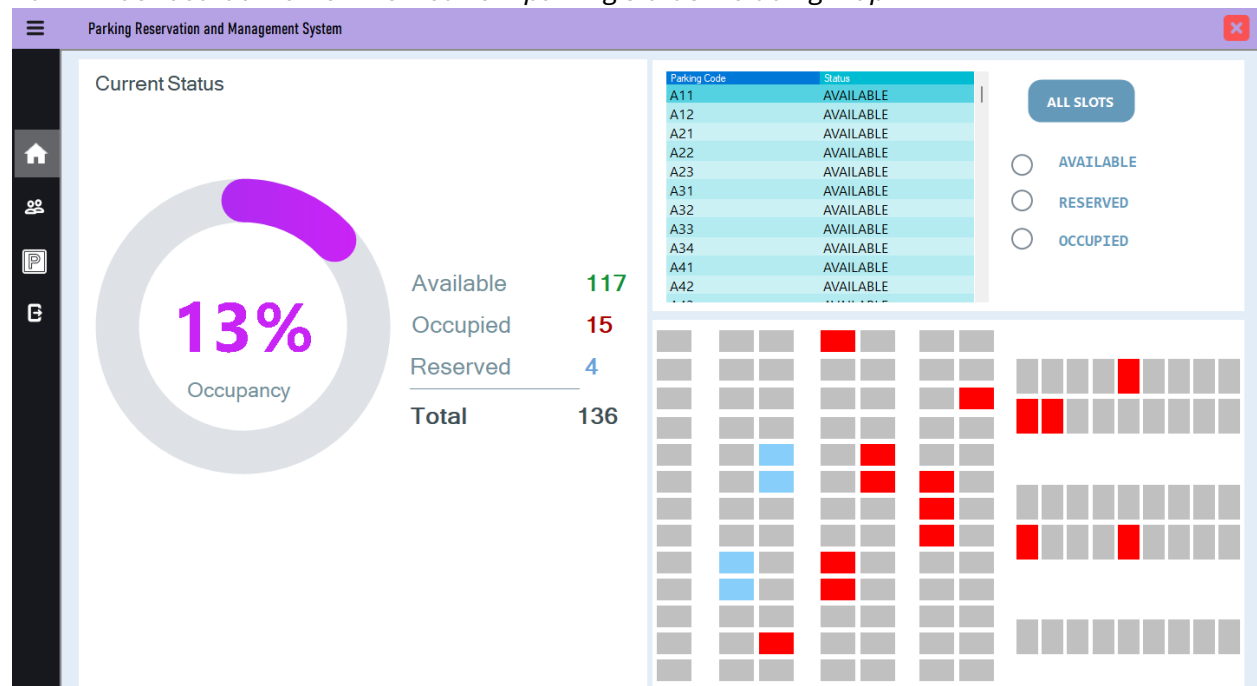
THANK YOU... GOD BLESS!!!

Parking Log has been updated after checking out (Time Out)

Users		Bookings		Parking		Parking_Log		Sales_Report	
ID	Ticket Number	Parking Date	Time In	Time Out	Parking Fee				
71	C21-888	4/24/2024	6:39	6:45	₱ 80.64				
75	D21-222	4/24/2024	6:40	6:46	₱ 100.80				
84	F33-981	4/24/2024	10:24	10:26	₱ 33.60				
87	A11-292	4/24/2024	17:33	17:54	₱ 436.80				
88	A12-553	4/25/2024	17:33	17:36	₱ 33.60				
89	A21-331	4/25/2024	17:33	17:36	₱ 33.60				
92	A12-101	4/25/2024	18:03	18:04	₱ 33.60				
93	B11-292	4/25/2024	19:24	19:26	₱ 33.60				
94	B12-292	4/25/2024	19:48	19:53	₱ 78.40				
95	A11-553	4/25/2024	19:20	22:22	₱ 4,043.20				
96	B23-331	4/25/2024	19:20	22:28	₱ 4,177.60				
110	K32-804	4/26/2024	6:40	6:45	₱ 78.40				
111	C11-123	4/26/2024	7:25		₱ 0.00				
112	D22-456	4/26/2024	7:26		₱ 0.00				
113	L22-454	4/26/2024	7:26		₱ 0.00				
115	L23-019	4/26/2024	7:26		₱ 0.00				
124	A23-512	4/26/2024	7:26		₱ 0.00				
125	C33-171	4/26/2024	7:27		₱ 0.00				
126	G42-292	4/26/2024	7:27		₱ 0.00				
127	G22-327	4/26/2024	7:44	7:45	₱ 33.60				
128	G22-510	4/26/2024	7:47		₱ 0.00				
129	A21-292	4/27/2024	14:58	14:59	₱ 33.60				
130	B11-741	5/2/2024	18:51	19:04	₱ 257.60				

Admin

Admin Dashboard / Home – view current parking status including map



Parking Reservation and Management System

User Database

UsersEmployees

22 Users

DELETE

Search User ID

User ID	Vehicle Owner	Vehicle Type	Plate Number	Contact Number
10101	Jake	2 Wheels	JJ 101	09856541164
11111	Alex	2 Wheels	AAA 111	09479877212
12312	Patrick Star	4 Wheels	IJA 123	09451321510
12331	Arthur	4 Wheels	RDD 111	09213223813
21723	jamiem	4 Wheels	ILY 143	09482921938
22222	Bob	4 Wheels	BBB 222	09111435424
27013	Squidward	2 Wheels	DAS 213	09111111111
31601	Strawberry Jam	2 Wheels	JAM 312	09123801820
33333	Carl	4 Wheels	CCC 333	09531989202
38474	dca	2 Wheels	DAS	09123810921
44444	Dennis	4 Wheels	DDD 444	09115636462
60981	Johnny	4 Wheels	ABC 123	09524544457
65423	James	4 Wheels	AAA 777	09148963218
66666	Faraday	4 Wheels	FFF 666	09555262847
75123	Spongebob	2 Wheels	SBB 123	09321218392
77777	Goliath	4 Wheels	GGG 777	09458791324
85292	Jamel Hadjiraoul	4 Wheels	ILY 143	09692206304
86553	John Doe	2 Wheels	ABC 123	09123456123
88888	Haley	4 Wheels	HHH 888	09123788945
95804	Justin	2 Wheels	SDJ 521	09918201828
99741	Jamel P. Hawthorne II	4 Wheals	ARF 171	09692206304

Parking Reservation and Management System

User Database

James JamesonABC 123092315319524 WheelsAdd Employee

UsersEmployees

15 EmployeesDELETESearch Employee ID

Employee ID	Employee Name	Vehicle Type	Plate Number	Contact Number
EMP123	Jamel Hadirasul	4 Wheels	ABC 123	09556345152
EMP456	John Doe	4 Wheels	ASD 231	09963357854
EMP771	David Jackson	2 Wheels	JAK 232	09578642315
EMP312	Baron Davis	2 Wheels	OQI 123	09562364924
EMP212	Jessica Martinez	4 Wheels	KAL 921	09688551371
EMP616	Sarah Brown	2 Wheels	KAI 777	09356489245
EMP199	Daniel Smith	4 Wheels	ASE 22	09576227825
EMP991	Christopher Wilson	4 Wheels	UIO 109	09225635422
EMP512	Spongebob Squarepants	2 Wheels	YAI 101	09111563251
EMP019	Patrick Star	4 Wheels	SAK 092	09252652841
EMP454	Joshua Smith	2 Wheels	AUW 123	09182254212
EMP510	Johnny Papa	4 Wheels	ABC 111	09182928109
EMP171	Fishy fish	2 Wheels	FIS 312	09189080209
EMP150	Jamel P Hadirasul	4 Wheels	ABC 123	0991422132
EMP930	James Jameson	4 Wheels	ABC 123	09231531952

[illegible]

Parking Log – view parking log and checking out user (OTC)

Parking Reservation and Management System

Parking Status

[Booking](#)
[Parking Log](#)
[Sales Report](#)

Clear Log

Thursday, May 2, 2024

CHECK OUT

Search Ticket Number

Ticket Number	Time In	Time Out	Parking Fee	Parking Date
B11-741	18:51	19:04	257.6	5/2/2024
D11-292	19:15		0.0000	5/2/2024
E23-553	19:15		0.0000	5/2/2024
E31-331	19:15		0.0000	5/2/2024
D34-723	19:16		0.0000	5/2/2024
D41-423	19:16		0.0000	5/2/2024
F32-111	19:16		0.0000	5/2/2024
F33-222	19:16		0.0000	5/2/2024
F31-333	19:16		0.0000	5/2/2024
G21-444	19:16		0.0000	5/2/2024
K22-666	19:16		0.0000	5/2/2024
I32-777	19:16		0.0000	5/2/2024
I33-888	19:16		0.0000	5/2/2024
H22-999	19:16		0.0000	5/2/2024
K33-474	19:17		0.0000	5/2/2024
C43-616	19:18		0.0000	5/2/2024

Sales Report – view total sales for a specified date

Parking Reservation and Management System

Parking Status

[Booking](#)
[Parking Log](#)
[Sales Report](#)

Clear Log

Thursday, May 2, 2024

CHECK OUT

Parking Date	Total Sales
4/24/2024	651.84
4/25/2024	8433.6
4/26/2024	112
4/27/2024	33.6
5/2/2024	257.6