

FPT ACADEMY INTERNATIONAL FPT – APTECH COMPUTER EDUCATION

Car Rental System

Supervisor: $L\hat{E} THANH NH\hat{A}N$

Semester: II

Batch No: *T1.2010.E0*

Group No: 04

Order:	Full name	Roll No.
1.	Lưu Quang Nhật	Student1620955
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4.	Nguyễn Võ Minh Tuấn	Student1623646

Month: 08 Year: 2021

This	is to certify that
Mr.	Lưu Quang Nhật
Mr.	Nguyễn Anh Đức
Mr.	Hoàng Anh Đức
Mr.	Nguyễn Võ Minh Tuấn
Have su	accessfully Designed & Developed
	~ ~ ~ ~ ~ - ~ -
	CAR RENTAL SYSTEM
·	- -
Submitt	ted by:
	Mr. LE THANH NHAN
_	
Date Of	Issue:
Authori	zed Signature:

Content

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Acknowledgement

Firstly, we would like to express our sincere gratitude to our teacher Mr. Le Thanh Nhan for giving us the opportunity to conduct this project as well as the support and guidance he provided throughout the project so that it would be completed promptly and with high efficiency. This project is a simulation of a real-life workplace where we have to work as a team to develop a website to meet the requirements of our client. The project helped us to learn more about teamwork, coordination, self-motivation as well as our overall skill improvement in the field of website development.

Secondly, we would like to give our thanks to the team member of group 4, without whom this project could not have been realized. The teamwork and the enthusiasm of the member have brought life to the project. Each member has utilized his skill and knowledge in the field of website development, putting aside their differences to coordinate with each other in a highly efficient manner to achieve our common goal.

We hope that after this project, each team member will have gained invaluable experiences on how website development in real life is conducted, which serve as the first stepping stones for us to start our jobs after graduation. We also hope that the team will continue to improve their skills and knowledges to become successful in a highly competitive and ever-changing industry.

Last but not least we are very thankful to FPT Aptech HCMC, Aptech India and our family members for your continuous and indispensable supports on various aspect of our lives. We will make sure to make this project a great success as the way to show gratitude to everyone.

Yours sincere,

Members of Group 4.

Synopsis

The objective Car Rental System project is to create a framework for a website of a company whose main business is rental service. Using the website, customers could browse and rent different items. On the management side, the administrative staff could receive rental orders, input data and extracting reports on a variety of involving entities. In addition, the implementation of the website also facilitates the process of car/driver deployment and management.

The project aims to create a simulation of a real-life project development process, and set a fundamental understanding on Java and PHP for the students in Semester II to develop larger and more complex projects in the future. The students are expected to utilize the knowledge they have acquired during class and from self-study for the project.

The entire project was conducted under the supervision of Mr. Le Thanh Nhan and should only be used for academic purposes.



Design Plan:	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
Car Rental System		
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Problem Definition

Deluxe Rentals Co. Ltd. is an emerging name in the car rental service industries. The company provides rental vehicles from various brands and types that meet the requirements and expectations of even the most demanding clients.

Owning a garage that has the capabilities to provide services to 50 cars at once, all the company vehicles are always in the best conditions and readied to be delivered to our clients. The management staff is also professionally trained to make sure that all of the client's needs are provided, and they always try to find new ways to please the clients.

In addition to that, our driver staff which is strictly and carefully selected will ensure safe and pleasant travel throughout the journey. All the drivers, vehicles and clients are fully covered with insurance and all legal and safety requirements are met.

Deluxe Rentals has become more and more popular with a sharp increase in sales after only 1 year of establishment. In order to efficiently manage the rental orders as well as providing a convenient, easy-to-use platform of booking for the clients, the company decided to develop a website which provides the following functions to the clients:

- ✓ Provide member registration feature. After registration, the clients could start booking rental cars.
- ✓ Provide information of the rental vehicles to clients and members.
- ✓ Provide shopping cart function to book multiple vehicles at once.
- ✓ Receive feedbacks from clients and members to improve service quality as well as product quality.

On the administration side, the website includes an Admin Control Panel (ACP) that supports the following management functions:

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Car Rental System		
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- ✓ Provide the functions to manage records of clients, staff, vehicles.
- ✓ Provide the function to check booking details.
- ✓ Provide the function to view reports.

The Role of User, Staff and Admin:

1. User:

- ✓ Can register as a member and manage personal account.
- ✓ Can view and booking vehicles.
- ✓ Can give feedback regarding the service.
- ✓ Can view their orders.

2. Staff:

- ✓ Can view client/vehicle information
- ✓ Can check contract details.
- ✓ Can reply to feedback of clients.
- 3. **Administrator:** Same roles as staff but with the following additions:
 - ✓ Can view/ add / edit / delete records of clients, staff, vehicles.
 - ✓ Can view report statistics.

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Design Plan:	Document Name : Customer Specification	SWD/Form No.02/CSR/Ver1.0
Car Rental System	Requirements	
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Customer Requirement Specifications

Description of the processing requirements for each target user.

1. Clients:

❖ Input:

- Member registration information.
- Request vehicle information.
- Book selected vehicles.
- Feedback about the service.

Process:

- Process customer registration information.
- Search vehicles from database by brand, by type.
- Process client orders.
- Process client feedback.

Output:

- Notification of successful registration.
- Display vehicle information.
- Notification of successful order booking.
- Notification of successful feedback submission.

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Design Plan:	Document Name : Customer Specification	SWD/Form No.02/CSR/Ver1.0
Car Rental System	Requirements	
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2. Management Staff:

❖ Input:

- Staff/Administrator login information.
- Client, vehicle, staff information to add / edit / delete. (Admin only)
- Member/order information to be display.

Process:

- Processing login information.
- Add / edit / delete client, vehicle, staff information.
- Search member/order information.

Output:

- Notification of successful login.
- Notification of success/ failure for the addition / edit / deletion of client, vehicle, staff information.
- Display member/order information.

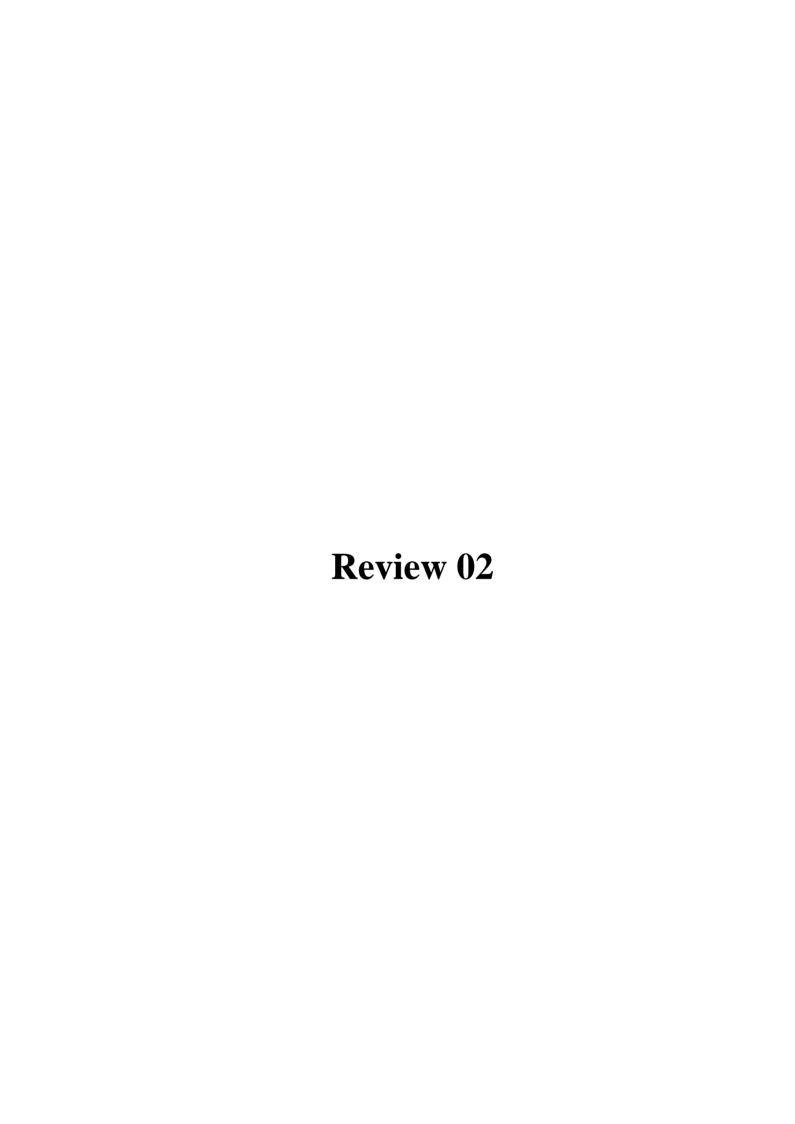
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Design Plan:	Document Name : Customer Specification	SWD/Form No.02/CSR/Ver1.0
Car Rental System	Requirements	
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Hardware / Software requirement

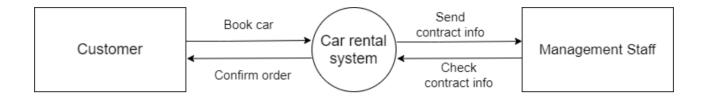
No.	Item	Description	
1.	Operating system	Windows 7 or higher	
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better	
3.	Web Browser	Version in later of: Edge, Firefox, Chrome	
4.	Fonts	Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman	
5.	Other requirements	Laravel, Git, XAMPP 7.3 or later A working internet connection.	

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Design Plan:	Document Name : Data Flow Diagram	SWD/Form No.03/DFD/Ver1.0
Car Rental System	_	
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Data Flow Diagram

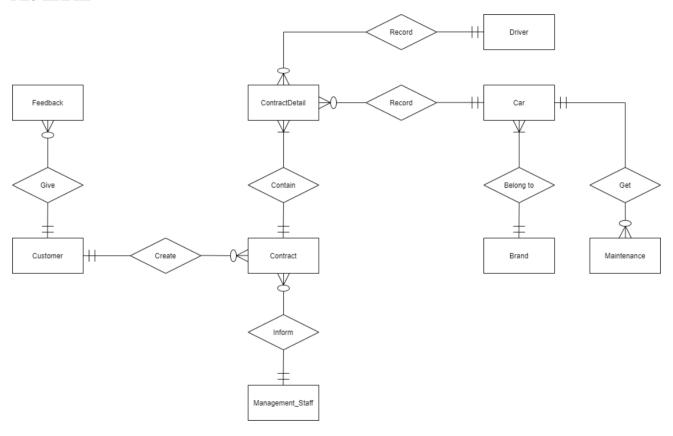


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Design Plan:	Document Name:	SWD/Form No.04/ERD/Ver1.0
Car Rental System	Entity Relationship Diagram	
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Entity Relationship Diagram

A. ERD

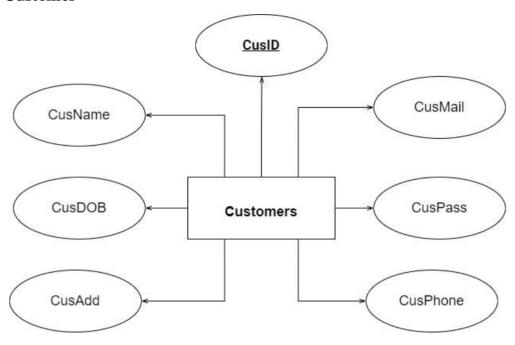


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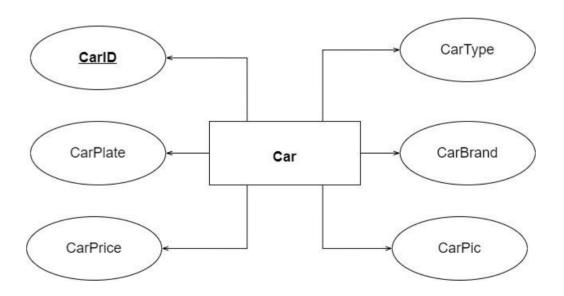
Design Plan:	Document Name:	SWD/Form No.04/ERD/Ver1.0	ĺ
Car Rental System	Entity Relationship Diagram		ĺ
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B. ERD Properties

1. Customer



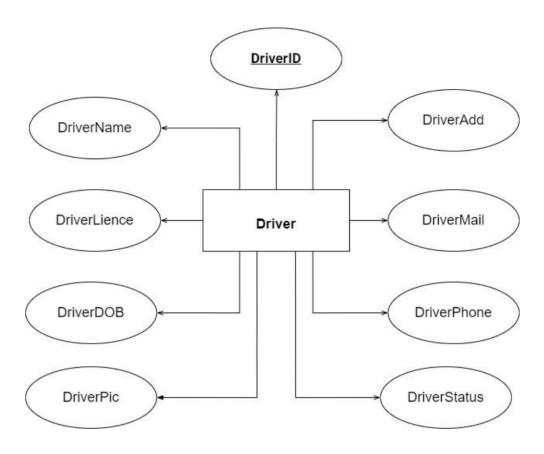
2. Car



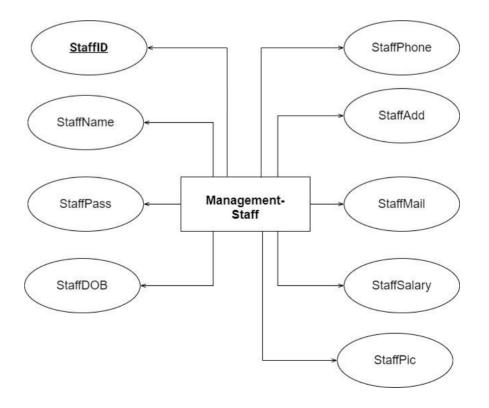
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Design Plan:	Document Name:	SWD/Form No.04/ERD/Ver1.0
Car Rental System	Entity Relationship Diagram	
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3. Driver



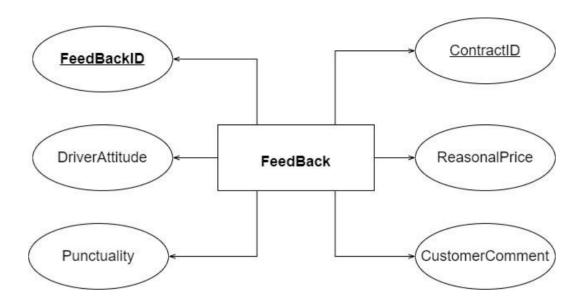
4. Management Staff



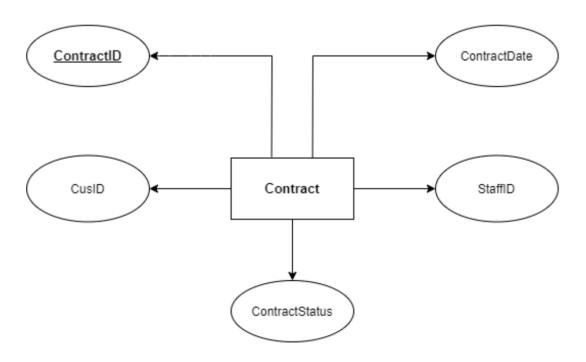
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Car Rental System	Entity Relationship Diagram	
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5. Feedback



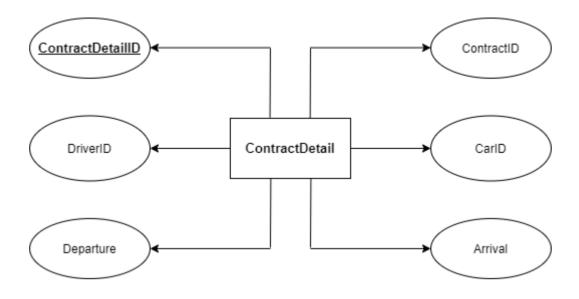
6. Contract



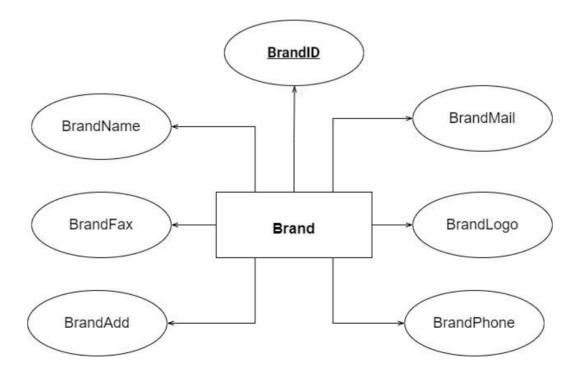
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7. Contract Detail



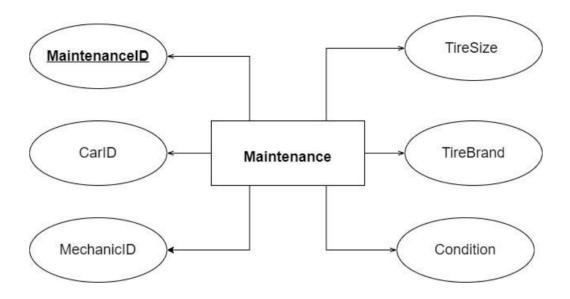
8. Brand



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9. Maintenance



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Design Plan: Document Name: Table Design		SWD/Form No.05/TAB/Ver1.0
Car Rental System		
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Table Design

A. Table Design

	01. Customer					
No.	Fields	Data Type	Key	Constrain	Description	
1.	CusID	varchar(20)	Primary	Not null	Customer ID number	
2.	CusName	varchar(50)		Not null	Customer name	
3.	CusDOB	date		Not null	Customer birthday	
4.	CusAdd	varchar(255)		Not null	Customer address	
5.	CusMail	varchar(50)		Not null, Mail	Customer mail	
				format		
6.	CusPass	varchar(20)		Not null, 8-20	Customer login	
				characters	password	
7.	CusPhone	int		Not null	Customer phone no.	

	02. Car						
No.	Fields	Data Type	Key	Constrain	Description		
1.	CarID	varchar(20)	Primary	Not null	Car ID number		
2.	CarPlate	varchar(10)		Not null	Car plate number		
3.	CarPrice	int		Not null	Rental price/day		
4.	CarType	varchar(20)		Not null	Number of seats		
5.	CarBrand	varchar(20)		Not null	Car brand		
6.	CarPic	varchar(255)		Not null	Car picture		

	03. Driver					
No.	Fields	Data Type	Key	Constrain	Description	
1.	DriverID	varchar(20)	Primary	Not null	Driver ID number	
2.	DriverName	varchar(50)		Not null	Driver name	
3.	DriverLicense	varchar(20)		Not null	Driver driving license	
4.	DriverDOB	date		Not null	Driver birthday	
5.	DriverPic	varchar(255)		Not null	Driver picture	
6.	DriverAdd	varchar(255)		Not null	Driver address	
7.	DriverMail	varchar(50)		Not null, Mail	Driver email	
				format		
8.	DriverPhone	int		Not null	Driver phone	
9.	DriverStatus	boolean		Not null	Available or not	
10.	CurrentDriver	boolean		Not null	Current driver or not	

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	04. Management Staff					
No.	Fields	Data Type	Key	Constrain	Description	
1.	StaffID	varchar(20)	Primary	Not null	Staff ID number	
2.	StaffName	varchar(50)		Not null	Staff name	
3.	StaffPass	varchar(20)		Not null, 8-10	Staff login password	
				characters		
4.	StaffDOB	date		Not null	Staff birthday	
5.	StaffPhone	int		Not null	Staff phone	
6.	StaffAdd	varchar(255)		Not null	Staff address	
7.	StaffMail	varchar(50)		Not null, Mail	Staff email	
				format		
8.	StaffSalary	int		Not null	Staff salary	
9.	StaffPic	varchar(255)		Not null	Staff picture	
10.	CurrentStaff	boolean		Not null	Current staff or not	

	05. Feedback					
No.	Fields	Data Type	Key	Constrain	Description	
1.	FeedbackID	varchar(20)	Primary	Not null	Feedback ID number	
2.	ContractID	varchar(20)	Foreign	Not null	Contract ID number	
3.	CusID	varchar(20)	Foreign	Not null	Customer ID number	
4.	DriverAttitude	int		Not null, 1-5	Driver attitude rating	
5.	Punctuality	int		Not null, 1-5	Punctuality rating	
6.	ReasonalPrice	int		Not null, 1-5	Price rating	
7.	Comment	varchar(255)		Not null, 1-5	Customer's comment	

	06. Contract				
No.	Fields	Data Type	Key	Constrain	Description
1.	ContractID	varchar(20)	Primary	Not null	Contract ID number
2.	ContractDate	date		Not null	Contract date
3.	CusID	varchar(20)	Foreign	Not null	Customer ID number
4.	StaffID	varchar(20)	Foreign	Not null	Staff ID number
5.	ContractStatus	boolean		Not null	Complete or not

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	07. Contract Details					
No.	Fields	Data Type	Key	Constrain	Description	
1.	ContractDetailID	varchar(20)	Primary	Not null	Contract details ID number	
2.	ContractID	varchar(20)	Foreign	Not null	Contract ID number	
3.	DriverID	varchar(20)	Foreign	Not null	Driver ID number	
4.	CarID	varchar(20)	Foreign	Not null	Car ID number	
5.	Departure	date		Not null	Date of departure	
6.	Arrival	date		Not null	Date of arrival	

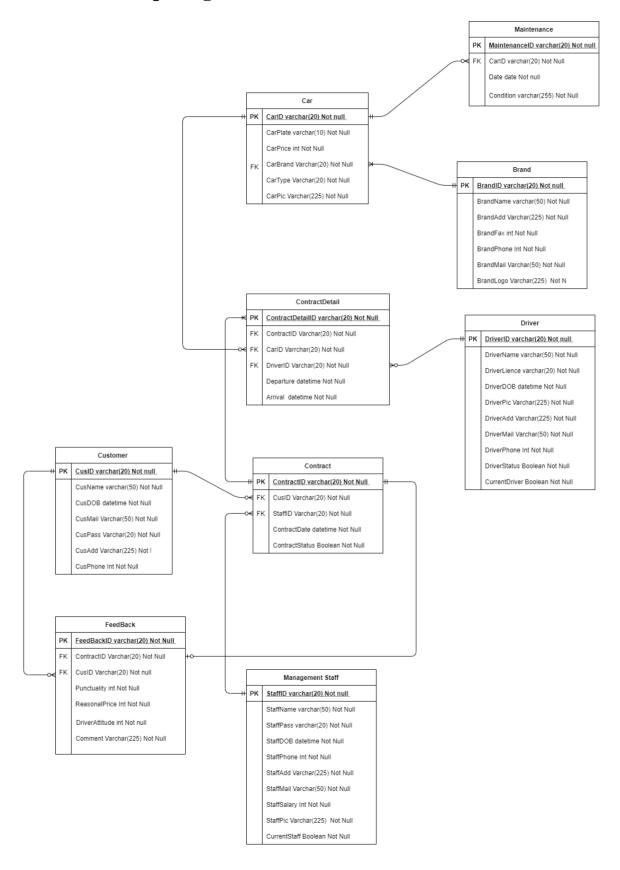
	08. Brand				
No.	Fields	Data Type	Key	Constrain	Description
1.	BrandID	varchar(20)	Primary	Not null	Brand ID number
2.	BrandName	varchar(20)		Not null	Brand name
3.	BrandAdd	varchar(255)		Not null	Brand address
4.	BrandFax	int		Not null	Brand fax number
5.	BrandPhone	int		Not null	Brand phone
6.	BrandMail	varchar(50)		Not null, Mail	Brand email
				format	
7.	BrandLogo	varchar(255)		Not null	Brand logo

	09. Maintenance				
No.	Fields	Data Type	Key	Constrain	Description
1.	MaintenanceID	varchar(20)	Primary	Not null	Maintenance ID number
2.	CarID	varchar(20)	Foreign	Not null	Car ID number
3.	Date	date		Not null	Maintenance date
4.	Comment	varchar(255)		Not null	Comment on car
					condition

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Design Plan:	Document Name: Table Design	SWD/Form No.05/TAB/Ver1.0
Car Rental System	_	
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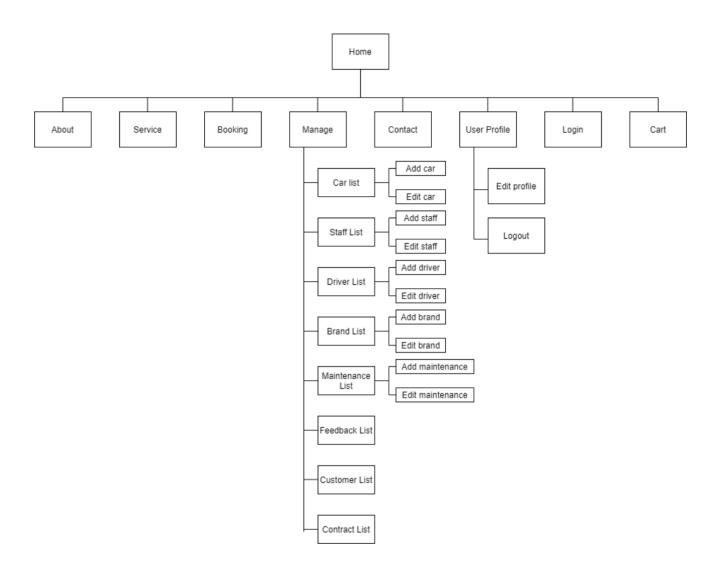
B. Relationship Diagram



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Design Plan:	Document Name: Site Map	SWD/Form No.06/SM/Ver1.0
Car Rental System		
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Site Map

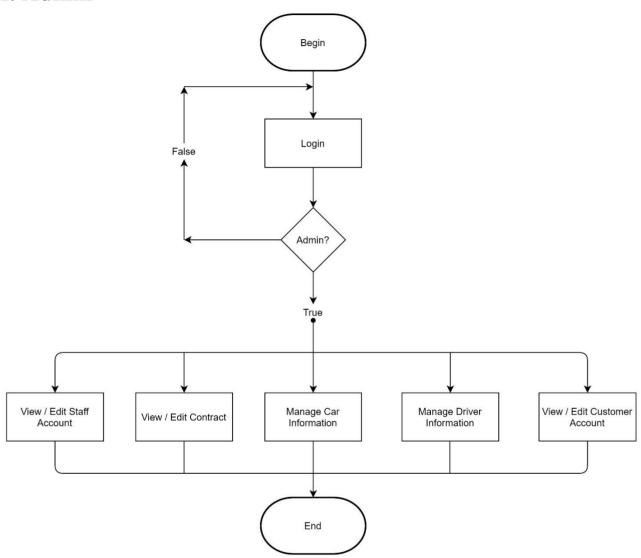


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Design Plan:	Document Name: Algorithm	SWD/Form No.07/ALG/Ver1.0
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Algorithm

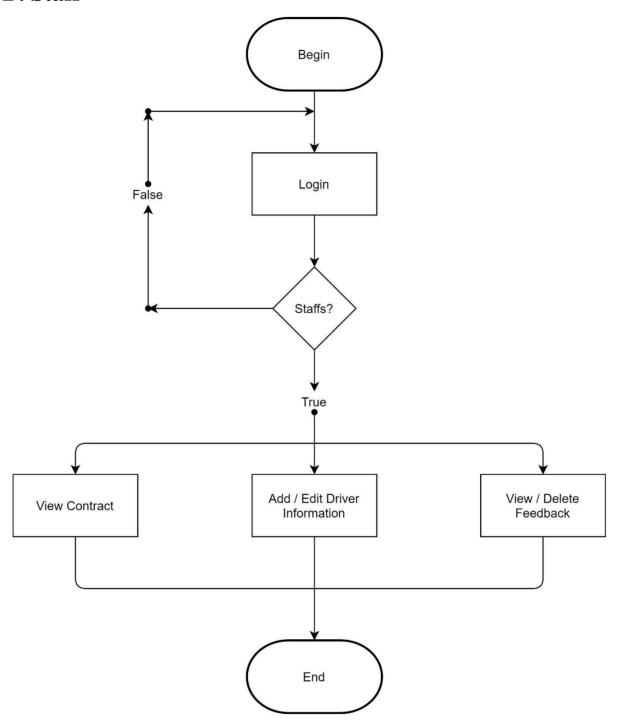
A. Admin



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Design Plan:	Document Name: Algorithm	SWD/Form No.07/ALG/Ver1.0		
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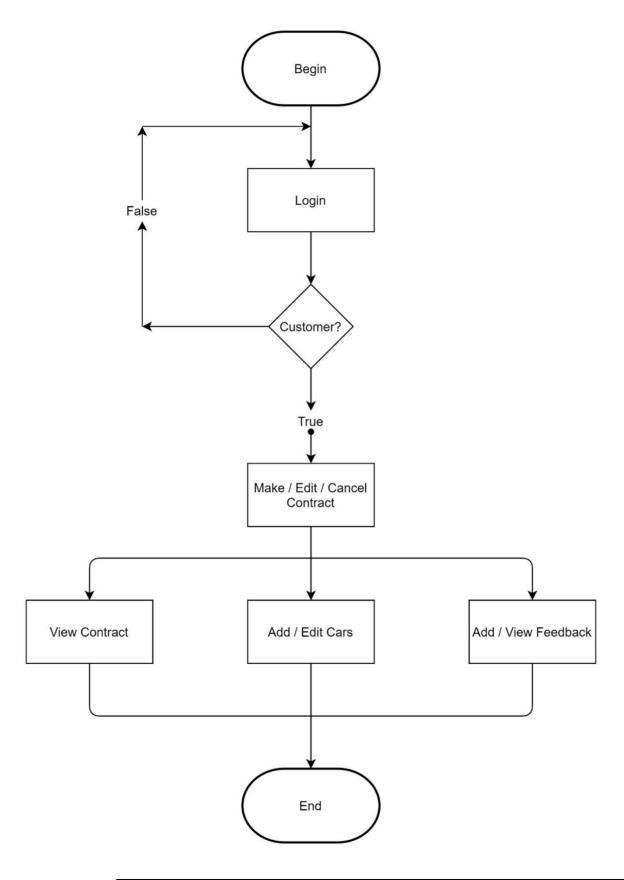
B. Staff



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Design Plan:	Document Name: Algorithm	SWD/Form No.07/ALG/Ver1.0		
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C. Customer



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Design Plan:	Document Name: Screenshot	SWD/Form No.08/SS/Ver1.0
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Screenshot

1. Homepage



Description: Homepage of the company

From: [Home] button on navigation bar

To: About us, Service, Booking, Contact us, Login

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2. About us

Logo			Home	About us	Service	Booking	Contact us	Login
Company image + company value								
Company ima	ge		Introduction about the establishment of the company					
Company ima	Company image			Milestones of the company				
Company ima		Future goal of the company						
Company name, address, Phone number			Fo	oter		Α	Home bout us Services	

Description: Information about the company

From: [About us] button on navigation bar

To: Home, Service, Booking, Contact us, Login

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Design Plan:	Document Name: Screenshot	SWD/Form No.08/SS/Ver1.0
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3. Service

Logo	Home About us Service Booking Contact us							Login
Company image + company value								
Introduction about company services								
Image of Ca	Image of Car Quality Image of service quality Image of driver of						er quality	
Image of sta	Image of customer satisfaction Image of certificate							
Company name, add Phone number	Footer				Home About us Services			

Description: Introduction of the company's service

From: [Service] button on navigation bar

To: Home, About us, Booking, Contact us, Login

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Design Plan:	Document Name: Screenshot	SWD/Form No.08/SS/Ver1.0
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4. Contact us

	Logo			Home	About us	Service	Booking	Contact us	Login
Company image + company value									
	Google map				Compa Phone Fax	any name ny address e - hotline number ing hours			
Com	Company name, address, Phone number			Foo	oter		Α	Home bout us ervices	

Description: Contact information of the company

From: [Contact us] button on navigation bar

To: Home, About us, Service, Booking, Login

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Design Plan:	Document Name: Screenshot	SWD/Form No.08/SS/Ver1.0
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5. Login

Logo			Home	About us	Service	Booking	Contact us	Login		
	Company image + company value									
Login Username Password Register Login										
Company name, ado Phone number	dress,		Foo	oter		Α	Home bout us ervices			

Description: Screen for customer, staff and admin to login

From: [Login] button on navigation bar, or [Booking] button without logging in

To: Home, About us, Service, Booking, Contact us, Register

Validate: Username and password must match the one registered in database.

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Design Plan:	Document Name: Screenshot	SWD/Form No.08/SS/Ver1.0
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6. Booking

Logo		Home	About us	Service	Booking Co	ontact us U	ser	Cart	
	Company image + company value My profile Logout								
	List of Cars Search Brand								
	Car Image	Car Brand	Car Model	Car Plate	Departure	Arrival	Car Price	Cart	
		Toyota	Vios	51A-XXXX	Date	Date	300000	Add to cart	
		Toyota	Innova	51A-XXXX	Date	Date	500000	Add to cart	
		Toyota	Fortuner	51A-XXXX	Date	Date	600000	Add to cart	
		Hyundai	i10	51A-XXXX	Date	Date	200000	Add to cart	
		Hyundai	Accent	51A-XXXX	Date	Date	300000	Add to cart	
		Mazda	CX3	51A-XXXX	Date	Date	450000	Add to cart	
		Mazda	CX5	51A-XXXX	Date	Date	600000	Add to cart	
C	ompany nam Phone nu			Foo	oter		Home About Service	us	

Description: Screen for customer to book cars

From: [Booking] button on navigation bar. Must login as customer.

To: Home, About us, Service, Contact us, User Profile, Logout, Cart

Validate: Arrival must after arrival when clicking on [Add to cart]

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	Project Group No. 04	
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Date	10/09/2021	

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7. Cart

Lo	go		Home	About us	Service	Booking	Contact us	User	Cart
	Company image + company value Logout								
				Му	cart				
	Brand	Туре	Plate	Price	Departure	Arrival	Total	Delete	
					Conti	inue bookir	ng Ci	neck out	
Company name, address, Phone number				Foo	oter		Α	Home bout us ervices	

Description: Screen for customer to checkout the cart

From: [Cart] button on navigation bar. Must login as customer.

To: Home, About us, Service, Contact us, User Profile, Logout, Cart

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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8. Checkout

Logo		Home	About us	Service	Booking	Contact us	User	Cart
	Company image + company value Logout							
		Booking completed You can view your order in My profile						
Company name, add Phone number	Iress,		Foo	oter		Al	Home bout us ervices	

Description: Booking completed notice

From: [Checkout] button from [Cart] page

To: Home, About us, Service, Booking, Contact us, User Profile, Logout, Cart

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9. User Profile

Logo		Hom	e About	us	Service	Booking	Contact	us	User	Cart
		C	ompany ima	ge +	company	value		_	ly profile Logout	
	My Profile									
	Customer Profile									
	My contracts									
	IE) Da	te Depa	rture	Arrival	Statu	ıs Feedi	oack		
Company name, address, Phone number					Abo	ome out us vices				

Description: Customer can see their information and orders

From: [My Profile] button from dropdown menu of [User] button of navigation bar

To: Home, About us, Service, Booking, Contact us, Logout, Cart, Edit User Profile

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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10. Edit User Profile

Logo		Home	About us	Service	Booking	Contact us	User	Cart
	Company image + company value Logout							
	Edit Personal Information							
		Name	Ngı	ıyen Van A				
		Date of Birt	h 01/	01/1995				
		Address	99	Nguyen Var	n Troi			
		Phone	090	9 999 999				
		Email	ngu	yenvana@	gmail.com			
					Updat	e		
	(Change pa	asswor	d				
	En	ter old passwo	ord					
	Er	nter new passv	vord					
	Re-enter password							
	Change password							
Company name, add Phone number		S, Footer Abou			Home bout us ervices			

Description: Customer can edit their information

From: [Edit] button from [My Profile] page

To: Home, About us, Service, Booking, Contact us, My Profile, Logout, Cart

Validation: Email format, old password must be correct, new password must be entered 2 times and must match.

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11. Registration

Logo			Home	About us	Service	Booking	Contact us	Login
		Comp	any image	+ company	value			
							1	
			Regis	tration				
		Name						
		Date of Birt	th					
		Address						
		Phone						
		Email						
		Password						
		Re-enter pa	assword					
					Regist	er		
Company name, add Phone number	dress,	Footel			Home bout us Services			

Description: Customer can register for membership

From: [Registration] button from [Login] page

To: Home, About us, Service, Booking, Contact us, Registration Completed.

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	Project Group No. 04	
Signature		
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12. Registration Completed

Logo			Home	About us	Service	Booking	Contact us	Login
		Comp	any image	+ company	value			
		Reș		on Comp	oleted			
Company name, add Phone number	Iress,		Foo	oter		Α	Home bout us Services	

Description: Notification for registration completed

From: [Register] button from [Registration] page

To: Home, About us, Service, Booking, Contact us, Login

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13. Manage

	Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
			Comp	any image	+ company	value			
				Manag	ing data	1			
Driver Staff Car					Brand				
	Feedback		Maintenance		Cu	Customer		Contract	
Cor	npany name, ado Phone number	Iress,	Footer				Α	Home bout us ervices	

Description: Dashboard for the staff to manage system data

From: [Manage] button on navigation bar after login as admin or staff

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Signature		
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14. Car List

Logo		Home	About us	Service	e Book	ing Contac	tus Mana g	Logout
	Company image + company value							
Home								
Driver				Ca	ar List			
Staff					2.01			
Car		ID E	Brand N	lodel	Plate		Edit	Delete
Brand								
Feedback								
Maintenance								
Customer								
Contract								
							Add	new
Company name, add Phone number	dress,	Footer				Home About us Services		

Description: Display list of cars

From: [Car] button from [Manage] Page

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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15. Create Car

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout	
Company image + company value									
Home									
Driver				Create	new c	ar			
Staff			Brand				- ,		
Car			Model				_		
Brand			Plate				_		
Feedback			Price				_		
Maintenance			Picture	Ch	oose file	en file			
Customer			riciure	CII	loose lile				
Contract			Cancel				;		
Company name, add Phone number	dress,		Footer Al:			Home bout us ervices			

Description: Create a new information of car

From: [Add new] button under the [Car List] table

To: Home, About us, Service, Booking, Contact us, Driver List, Staff List, Brand List, Feedback List, Maintenance List, Customer List, Contract List, Car List

Validate: Brand must be selected from brand list

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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16. Edit Car

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
Company image + company value								
Home								
Driver				Ed	it car			
Staff			Brand	Mo	rcedes		_	
Car			Туре	Ber			_	
Brand			Plate		\ 99999		_	
Feedback			Price	\$ 1			_	
Maintenance			Picture		oose file		_	
Customer			ricture	CII	loose lile			
Contract				(Cancel	Update	9	
Company name, add Phone number	lress,		Footer			Al	Home bout us ervices	

Description: Edit an information of car that has been added before

From: [Edit] button on [Car List] table

To: Home, About us, Service, Booking, Contact us, Driver List, Staff List, Brand List, Feedback List, Maintenance List, Customer List, Contract List, Create Car, Car List

Validate: Brand must be selected from brand list

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17. Driver List

Logo		Home	About us	Servic	e Book	ing Contac	ctus <u>Mana</u> g	ge Logout
Company image + company value								
Home								
Driver				Dri	ver Lis	t		
Staff								
Car		ID N	lame [OOB	Address		Edit	Delete
Brand								
Feedback								
Maintenance								
Customer								
Contract		•	•					
		Add new						
Company name, add Phone number	dress,	Footer					Home About us Services	

Description: Display the list of Drivers

From: [Driver] button from [Manage] Page

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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18. Create Driver

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
Company image + company value								
Home								7
Driver			(Create i	new dri	ver		
Staff			Name				\neg	
Car			Date of Birt	th _				
Brand			Address					
Feedback			Phone					
Maintenance			Email					
Customer			EIIIdii					
Contract			Picture	Ch	oose file			
			ricture	Ci	loose lile			
				(Cancel	Create	9	
								_
Company name, add Phone number	dress,	Footer				A	Home bout us ervices	

Description: Create a new information of driver

From: [Add new] button under the Driver List table

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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19. Edit Driver

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout	
Company image + company value									
Home								\neg	
Driver				Edit	driver				
Staff			Name	Tro	n Van B		\neg		
Car			Date of Birt		05/1995		 		
Brand			Address			Ton			
Feedback			Phone		200 Le Thanh Ton 0909 111 222				
Maintenance						nvanb@gmail.com			
Customer			Email	uar	ivanb@gm	all.Com			
Contract				Dieture		aaaa fila			
	•		Picture	Cr	oose file				
				(Cancel	Update	9		
								_	
Company name, add Phone number			Footer			Al	Home bout us ervices		

Description: Edit an information of driver that has been added before

From: [Edit] button on [Driver List] table

	Prepared by Luu Quang Nhat	Approved by Mr. Le Thanh Nhan
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Signature		
Date	10/09/2021	

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20. Staff List

Logo		Home	About us	Servic	e Booki	ing Contac	tus Mana	ge Logout
	Company image + company value							
Home								
Driver				Sta	aff List			
Staff								
Car		ID N	lame [OOB	Address		Edit	Delete
Brand								
Feedback								
Maintenance								
Customer								
Contract								
	•	Add new						
Company name, add Phone number	dress,	Footer					Home About us Services	

Description: Display the list of Staff

From: [Staff] button from [Manage] Page

	Prepared by Luu Quang Nhat	Approved by Mr. Le Thanh Nhan
	Project Group No. 04	
Signature		
Date	10/09/2021	

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21. Create Staff

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
Company image + company value								
Home								
Driver				Create	new st	aff		
Staff			Name				_	
Car			Date of Birt	th _			\dashv \mid	
Brand			Address				_	
Feedback			Phone				_	
Maintenance			Email				_	
Customer							_	
Contract			Picture	Ch	oose file		_	
			icture	011	oose me		_	
				(Cancel	Create	;	
Company name, add Phone number	Iress,	Footer				A	Home bout us ervices	

Description: Create a new information of staff

From: [Add new] button under the [Staff List] table

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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22. Edit Staff

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout	
Company image + company value									
Home									
Driver				Edi	t staff				
Staff			Name	Do	Van C		_		
Car			Date of Birt		02/1992		_		
Brand			Address		2 Pham Var	ı Hai	_		
Feedback			Phone)2 222 222	i i i di	_		
Maintenance			Email		/anc@gmai	l com	_		
Customer					runc@gmu	1.00111	_		
Contract			Ch	oose file	use file				
					Cancel	Update	e		
Company name, add Phone number	address, Footer ber			oter		A	Home bout us ervices		

Description: Edit an information of staff that has been added before

From: [Edit] button on [Staff List] table

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Signature		
Date	10/09/2021	

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23. Brand List

Logo		Home	About us	Servic	e Bool	king Conta	actus Man	age Logoui	t
Company image + company value									
Home									
Driver				Bra	and Lis	st			
Staff									
Car		ID N	Name A	ddress	Phone		Edit	Delete	
Brand									
Feedback									
Maintenance									
Customer									
Contract		•	•			•			
							Ad	d new	
Company name, add Phone number	dress,	Footer				Home About u Service			

Description: Display the list of Brand

From: [Brand] button from [Manage] Page

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Signature		
Date	10/09/2021	

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24. Create Brand

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
Company image + company value								
Home								7
Driver			(Create	newbra	and		
Staff			Name				\neg	
Car			ddress					
Brand			Phone					
Feedback			ax					
Maintenance								
Customer			Emai;		noose file			
Contract			Logo					
					Cancel	Create)	
Company name, add Phone number	dress,		Footer			A	Home bout us ervices	

Description: Create a new information of brand

From: [Add new] button under the [Brand List] table

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Signature		
Date	10/09/2021	

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25. Edit Brand

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout	
Company image + company value									
Home									
Driver				Edit	brand				
Staff			Name	Llva	undai		_		
Car			.ddress			ninh	\dashv		
Brand			Phone) Truong Cl 3 733 733	IIIII	╣		
Feedback			ax		3 723 723		_		
Maintenance			Emai;			hyundai.cor			
Customer			Logo		oose file	nyunuai.cor			
Contract			Logo				_		
					Cancel Update				
Company name, add Phone number	dress,	Footer				Al	Home bout us ervices		

Description: Edit an information of brand that has been added before

From: [Edit] button on Brand List table

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Signature		
Date	10/09/2021	

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26. Maintenance List

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
	Company image + company value							
Home								
Driver			N	/lainten	ance Lis	st		
Staff								
Car		ID	Date	Car	Commer	nt E	dit D	elete
Brand								
Feedback								
Maintenance								
Customer								
Contract		•					'	<u> </u>
	Add new					'		
Company name, add	Company name, address, Footer About us							
Phone number			FOC	7.61			rvices	

Description: Display the list of Maintenance information of car

From: [Maintenance] button from [Manage] Page

To: Home, About us, Service, Booking, Contact us, Driver List, Staff List, Brand List, Feedback List, Maintenance List, Customer List, Contract List, Car List, Create Maintenance, Edit Maintenance

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Date	10/09/2021	

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27. Create Maintenance

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout	
Company image + company value									
Home									
Driver			Crea	te new	mainte	enance			
Staff			Date				- ,		
Car			Car				_		
Brand			Comment				_		
Feedback			Comment						
Maintenance									
Customer									
Contract							_		
			Lc			ncel Create			
Company name, add Phone number	fress,	Footer				A	Home bout us ervices		

Description: Create a new information of Maintenance of car

From: [Add new] button under the [Maintenance List] table

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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28. Edit Maintenance

Logo		Home	About us	Service	Booking	Contact us	Manage	Logout
Company image + company value								
Home								
Driver				Edit Ma	intenaı	nce		
Staff			Date	0.1	01/2021		_	
Car			Car		H 73343		╣	
Brand			Comment	511	173343		_	
Feedback			Comment	Ne	eds to repla	ace front left		
Maintenance				tire	. Change e erior cleanir	ngine oil.		
Customer								
Contract								
					Cancel	Update	9	
Company name, add Phone number	iress,	Footer				A	Home bout us ervices	

Description: Edit an information of Maintenance of car that has been added before

From: [Edit] button on [Maintenance List] table

	Prepared by Luu Quang Nhat	Approved by Mr. Le Thanh Nhan
	Project Group No. 04	
Signature		
Date	10/09/2021	

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29. Customer List

Logo	Home About us Service Booking Contact us Manage Logout								
	Company image + company value								
Home									
Driver				Cust	omer L	ist			
Staff				0 0.01	oo. <u>-</u>				
Car		ID N	Name I	DOB	Address		Edit	Delete	
Brand									
Feedback									
Maintenance									
Customer									
Contract		•	•	•					
Company name, add Phone number	e, address, mber Footer Home About us Services								

Description: Display the list of customer

From: [Customer] button from [Manage] Page

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Signature		
Date	10/09/2021	

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30. Feedback List

Logo		Home	About u	s Servic	ce Book	ing Contac	tus Manage	Logout		
	Company image + company value									
Home										
Driver				Feed	back L	.ist				
Staff										
Car		ID C	ontract (Customer	Attitude		Edit	Delete		
Brand										
Feedback										
Maintenance										
Customer										
Contract			•			•				
	•									
Company name, add Phone number	ress, Footer				Home About us Services					

Description: Display the list of Feedback that is made by customer

From: [Feedback] button from [Manage] Page

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Signature		
Date	10/09/2021	

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31. Contract List

Logo	Home About us Service Booking Contact us Manage Logout								
	Company image + company value								
Home									
Driver				Con	tract Li	st			
Staff				00					
Car		ID	Date C	ustomer		Details	Edit	Delete	
Brand									
Feedback									
Maintenance									
Customer									
Contract		•	'	•		•			
	l								
Company name, address, Phone number		Footer About us							
						Services			

Description: Display the list of contract

From: [Contract] button from [Manage] Page

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	Project Group No. 04	
Signature		
Date	10/09/2021	

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Testing Documents

Sr. No.	Features Tested	Remarks
1	Database created successfully?	Pass
2	Tables are created and migrated to database successfully?	Pass
3	Images could be inserted into database properly?	Pass
4	Data lists with images displayed properly?	Pass
5	Information of car/driver/staff/ could be updated properly?	Pass
6	Information of car/driver/staff/ could be deleted?	Pass
7	Functions in controllers are working properly?	Pass

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	Project Group No. 04	
Signature		
Date	10/09/2021	

Design Plan:	Document Name: Final Checklist	SWD/Form No.10/FC/Ver1.0
Car Rental System		
Effective Date: 20-08-2021	Version 1.0	Page No: 61 of 62

Final Checklist

Sr. No.	Aspects Tested	Suggestion/ Remarks	
1	Are all the users able to view the images and links?	To be tested	
2	Have all views, models and controllers been properly integrated and is the site function as a single page application?		
3	Are the GUI content devoid of spelling mistakes? To be to		
4	Is the application user-friendly? To be te		
5	Is the Website launching correctly in all popular browsers? To be t		
6	Are all the forms validated with proper criteria?	To be tested	
7	Do all texts links lead to the appropriate website? To be		
8	Do all images links lead to the appropriate website? To be te		
9	Are all the images and links clearly visible on the pages?	To be tested	
10	Does the Website work properly in all tested browsers? To be to		
11	Does the Website take too long to be loaded fully? To be test		
12	Is the navigation sequences correct through all the pages on the Website? To be tes		
13	Is the JavaScript code working as expected in all click events? To be te		

	Prepared by Luu Quang Nhat	Approved by Mr. Le Thanh Nhan
	Project Group No. 04	
Signature		
Date	10/09/2021	

Design Plan:	Document Name: Task Sheet	SWD/Form No.11/TS/Ver1.0		
Car Rental System				
Effective Date:20-08-2021	Version 1.0	Page No: 22 of 62		

Task List

No	Member		Contents Table Name		Activity Plan	Activity Plan Date of Preparation of Activity Pla		
				Planed Start Date	Actual Start Date	Actual Days	Status	
1		Admin	View/ Edit/ Delete	Contract Contract Details	20/08/2021	20/08/2021	3	OK
2	I O NII. 24				20/08/2021	20/08/2021	3	OK
3	Lưu Quang Nhật	Hann	TI C . /W		20/08/2021	20/08/2021	3	OK
4		User	Create/ View		20/08/2021	20/08/2021	3	OK
1			Admin Create/ View/ Edit/ Delete	Driver Management Staff	20/08/2021	20/08/2021	3	OK
2	N	Admin			20/08/2021	20/08/2021	3	OK
3	Nguyễn Anh Đức	User View	37		20/08/2021	20/08/2021	3	OK
4			View		20/08/2021	20/08/2021	3	OK
1		A 1	Admin View/ Delete	Customer	20/08/2021	20/08/2021	3	OK
2	Halana Ank Dza	Admin			20/08/2021	20/08/2021	3	OK
3	Hoàng Anh Đức	11	Desistan/Edit	Feedback	20/08/2021	20/08/2021	3	OK
4		User	Register/ Edit		20/08/2021	20/08/2021	3	OK
1	Nguyễn Võ Minh Tuấn	Admin	Create/ View/ Edit/ Delete	Car	20/08/2021	20/08/2021	3	OK
2		User	View	Brand	20/08/2021	20/08/2021	3	OK
3		A .1	Create/View/Edit/Delate	Maintananas	20/08/2021	20/08/2021	3	OK
4		Admin	Create/ View/ Edit/ Delete	Maintenance	20/08/2021	20/08/2021	3	OK

	Prepared by Luu Quang Nhat	Approved by Mr. Le Thanh Nhan
	Project Group No. 04	
Signature		
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