



**University of Engineering and Technology Lahore Department of
Computer Science
Course: Gaming and Animation**

Project on
Dream Cars Rental Service

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Project: Dream Cars Rental Service

Executive Summary:

This project is a Car Rental Service Website developed as part of the AICT Lab semester project to demonstrate practical skills in web development, data analysis, and project documentation. The website provides users with a clear and user-friendly interface to view available cars, rental prices, and booking status, and includes essential pages such as Home, About, Services, Gallery, and Contact for smooth navigation. To support the website, Microsoft Excel was used to manage raw vehicle data, perform rental income calculations using formulas, and create a summary dashboard with charts for analytical insights. Microsoft Word was used to document the project structure, design decisions, and implementation details, while GitHub enabled version control and live publishing of the website. Overall, the project reflects an integrated and systematic workflow, ensuring consistency across all deliverables while fulfilling the academic and technical requirements of the AICT Lab course.

Project Objectives & Scope:

The primary objective is to create a professional digital presence for a car rental service that:

Showcases Fleet Variety: Highlights specific brands like Toyota, Hyundai, Suzuki, BMW, Audi, and Honda.

Provides Financial Transparency: Tracks daily rent, monthly income, and vehicle status (Available vs. Booked).

Categorizes Inventory: Differentiates between "Luxury" and "Normal" vehicle classes for better market positioning.

Facilitates Bookings: Includes dedicated navigation for user inquiries and reservations.

Site Structure & Navigation:

The website is organized into specialized pages to help users navigate by brand and function:

Page	Purpose
index.html	The homepage featuring a hero section, "Book Now" call-to-action, and brand highlights.
toyota.html	Detailed listings for Toyota models like the Yaris, Fortuner, and Land Cruiser.
hyundai.html	Listings for modern Hyundai vehicles including the Elantra and Sonata.
suzuki.html	Focuses on compact city cars like the Mehran and Swift.
bmw.html	Showcases high-performance luxury models such as the M5 and X7.
audi.html	Features sophisticated German engineering including the Audi A5 and Q7.
honda.html	Displays reliable options like the Civic and Accord.
booking.html	The interface for users to submit rental request. Contact us. Html Customer support and inquiry page.

Design Choices:

Typography: The site utilizes a "luxury-font" class for headers to emphasize the premium nature of the brand.

Color Palette & Layout: The layout uses a "brand-section" design with a reverse class to create a visually engaging, alternating pattern between images and text descriptions.

User Interface: A sticky navigation bar ensures easy access to all brand pages from any point on the site.

Data Sources (Excel/CSV):

The project backend is supported by detailed data tracking:

Total Fleet: 29 vehicles tracked across 6 brands.




Key Metrics: Total monthly income is calculated at 6,221,500 PKR, with an average monthly income per vehicle of 214,534.48 PKR.








Categorization: 21 Luxury cars and 8 Normal cars.








Toyota

Pardo	
Land cruiser	
Yaris	
Corolla	
Vigo champ	
Fortuner	

BMW

M5	
M3	
X1	
X5	
X7	

Audi

A5	
A4	
A3	
Q5	
Q7	

How to Run/Publish:

Local Viewing: Ensure all HTML files and the style.css file are in the same directory. Open index.html in any modern web browser.

Data Management: Use the provided Excel workbooks to update vehicle status (Available/Booked) or adjust "Daily Rent" prices; these changes should then be reflected in the site's manual updates.

Reflection:

What was learned: This project demonstrated the importance of aligning front-end presentation with back-end data. Integrating specific rental rates such as the 60,000 PKR daily rate for a Land Cruiser into the business logic ensures the site remains a realistic business tool.

Future Improvements:

Dynamic Integration: Connecting the HTML front-end directly to a database to update "Available/Booked" status in real-time.

Interactive Dashboard: Embedding the "Summary Dashboard" charts directly into an admin panel on the website.

Excel Description:

This project is based on a Car Rental Service Management System developed using Microsoft Excel. The purpose of this project is to manage car availability, bookings, and income records efficiently by using raw data, calculations, and a dashboard summary.

Raw Data Sheet:

The Raw Data sheet contains the basic information of cars used in the rental service. It includes car names, their availability status, and booking status. This sheet is the foundation of the project, where all data is entered manually. The data clearly shows which cars are available and which cars are currently booked.

	A	B	C	D	E
1	Car ID	Brand	Model	Daily Rent (PKR)	Status
2	1	Toyota	Yaris	8,000	Available
3	2	Toyota	Fortuner	25000	Available
4	3	Toyota	Vigo Champ	18000	Available
5	4	Toyota	Corola	10,000	Available
6	5	Toyota	Prado	40000	Available
7	6	Toyota	Land Crusier	60000	Booked
8	7	Hyundai	Elentra	10000	Available
9	8	Hyundai	Sonata	160000	Available
10	9	Hyundai	Tucson	180000	Available
11	10	Hyundai	Palisade	45000	Available
12	11	Suzuki	Mehran	3000	Booked
13	12	Suzuki	Alto	4500	Available
14	13	Suzuki	Swift	7500	Available
15	14	Suzuki	Wagon R	5500	Booked
16	15	BMW	M5	85000	Available
17	16	BMW	M3	70000	Available
18	17	BMW	X1	35000	Available
19	18	BMW	X5	55000	Available
20	19	BMW	X7	95000	Booked
21	20	Audi	A5	45000	Available
22	21	Audi	A4	25000	Available
23	22	Audi	A3	35000	Booked
24	23	Audi	Q5	50000	Available
25	24	Audi	Q7	80000	Available
26	25	Honda	Civic	12,000	Booked
27	26	Honda	City	9,000	Available
28	27	Honda	BR-V	15,000	Available
29	28	Honda	HR-V	18,000	Available
30	29	Honda	Accord	25,000	Booked

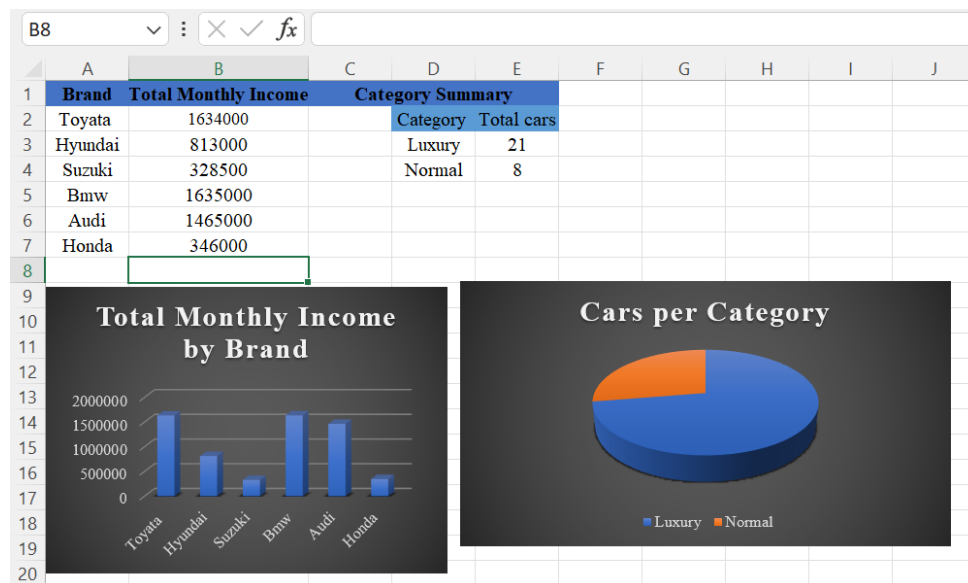
Calculation Sheet:

The Calculation sheet is used to perform different calculations based on the raw data. In this sheet, formulas are applied to calculate the monthly income generated from the rented cars. It also calculates the average income, which helps in analyzing the overall performance of the car rental service. This sheet ensures accurate and automatic calculations.

	A	B	C	D	E	F	G	H	I	J
1	Brand	Model	Days Rented	Daily Reat	Monthly Income	Category				
2	Toyota	Yaris	18	8000	144000	Normal				
3	Toyota	Fortuner	12	25000	300000	Luxury				
4	Toyota	Vigo Champ	20	18000	360000	Luxury				
5	Toyota	Corolla	15	10000	150000	Normal			Total monthly income=	6221500
6	Toyota	Prado	8	40000	320000	Luxury			Average monthly income=	214534.5
7	Toyota	Land Cruiser	6	60000	360000	Luxury			Luxury cars=	21
8	Hyundai	Elantra	14	10000	140000	Normal				
9	Hyundai	Sonata	10	16000	160000	Luxury				
10	Hyundai	Tucson	16	18000	288000	Luxury				
11	Hyundai	Palisade	5	45000	225000	Luxury				
12	Suzuki	Mehran	22	3000	66000	Normal				
13	Suzuki	Alto	20	4500	90000	Normal				
14	Suzuki	Swift	12	7500	90000	Normal				
15	Suzuki	Wagon R	15	5500	82500	Normal				
16	BMW	M5	4	85000	340000	Luxury				
17	BMW	M3	6	70000	420000	Luxury				
18	BMW	X1	9	35000	315000	Luxury				
19	BMW	X5	5	55000	275000	Luxury				
20	BMW	X7	3	95000	285000	Luxury				
21	Audi	A5	7	45000	315000	Luxury				
22	Audi	A3	10	25000	250000	Luxury				
23	Audi	A4	8	35000	280000	Luxury				
24	Audi	Q5	6	50000	300000	Luxury				
25	Audi	Q7	4	80000	320000	Luxury				
26	Honda	Civic	5	12,000	60000	Luxury				
27	Honda	City	9	9,000	81000	Normal				
28	Honda	BR-V	7	15,000	105000	Luxury				
29	Honda	HR-V	0	18,000	0	Luxury				
30	Honda	Accord	4	25,000	100000	Luxury				
31										

Dashboard Summary:

The Dashboard sheet provides a visual summary of the data using graphs and charts. These graphs represent car availability, booking status, and income analysis in an easy-to-understand format. The dashboard helps users quickly understand the business performance without checking raw data or calculations.



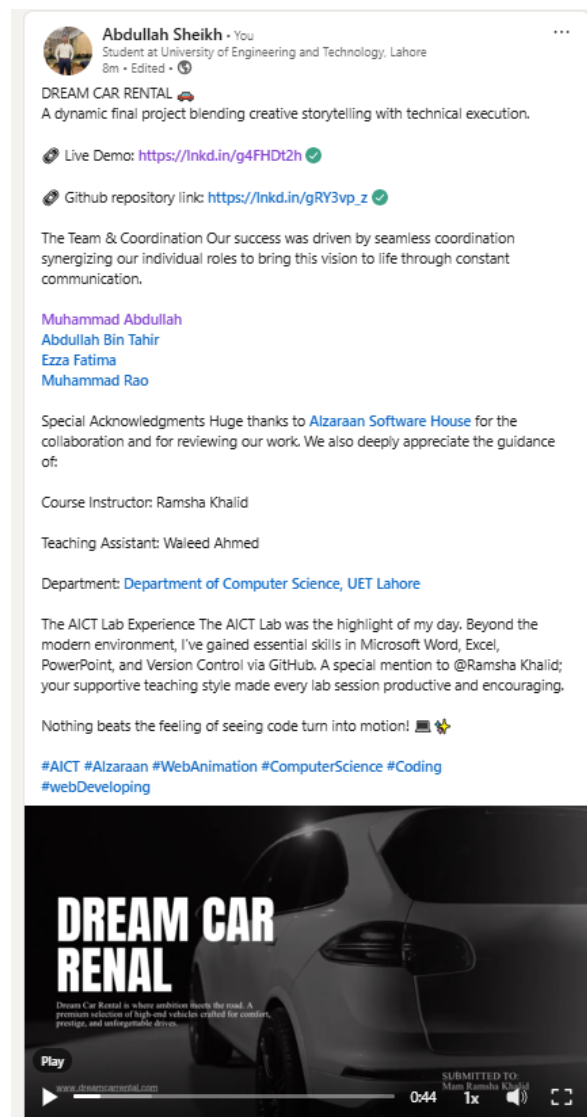
Live website url:

<https://abdullahsheikh6471468-byte.github.io/groupno-3-car-rental-service/>

GitHub link:

<https://github.com/abdullahsheikh6471468-byte/groupno-3-car-rental-service.git>

LinkedIn post:



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