PACT Analysis for a Virtual Car Showroom

A touchless interactive system using **gesture recognition**, **object rotation (TUIO)**, and **360° car videos**. It allows users to explore cars in a virtual space without needing direct physical touch. Ideal for enhancing user experience and reducing pressure from sales interactions.

- Age: 21–45 years - Browse cars by -indoors, moderate - MediaPipe	
and the second light point of CVD) +
old rotating a tagged light, quiet OpenCV: Re	eal-time
object. Make "OK" background. Fixed hand tracking	ng and
Customer: gesture to confirm table and camera "OK" gesture	re
interest. View 360° setup recognition	
- Explore car models video of the car.	
on his own - Interaction time: - Python So	
- Quick, smooth 3–10 minutes per Communication	
- Confirm interest via through cars. customer, low gesture acti	
gestures Exploration-driven learning curve. the C# front	t-end
- Get a 360° visual detailed videos	
feel without a test	
- WinForms	
LibvLCSnar	-
- a seamless 360° videos	
showroom selected ca	irs
experience,	Somtures
responsiveness, - Camera: C	-
modern design, no high tracit	
clunky buttons.	uons
-Smartphone	a
Sales consultant:	
- Allow customers	
to interact with the	
system	
independently,	
without needing	
constant guidance	
Use the system to	
- Use the system to improve the sales	
pitch	

- Should be able to		
reset or restart		
system quickly.		
- Wants minimal		
training to use the		
system.		
Customer:		
~ ^		
- Comfortable with		
gestures		
-Not disabled		
-Not disabled		
- Understands visual-		
based interactions		
Sales consultant :		
Knows the car		
models		
Needs intuitive user		
flow, even for non-		
techy customers		