Project Title: Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies

Project Design Phase-I – Problem Solution Fit

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1. CUSTOMER SEGMENT(S) | CS

- A Commercial Working People travelling from one point to another.
- Basically belonging to 18+ years old
- Person who's vehicle experienced some accident or damage in the vehicle
- A customer with valid insurance policy to claim

6. CUSTOMER | L

- Troubled network connection might lead to inaccessible of certain features
- Improper images or blurred images might affect the accurate performance of the application

5. AVAILABLE SOLUTIONS | AS

- Approaching 3rd person for cost estimation
- Cost estimation done by manual calculations
- Using slow processing algorithms to detect the damage

Pros
- The estimated values stays within the customer And bank agent

Cons
- Estimated cost varies frequently
- The time Taken for estimated is very leading to lots of loss and mental issues

2. JOBS-TO-BE-DONE / PROBLEMS | T&F

- The main problem will be time consumption in assessing the damage cost and damage percentage
- To address such as issues it is very important to provide a **EM** ccurate damage percentage and unified cost for that damage
- Failed to provide perfect value for damage by the companies

9. PROBLEM ROOT CAUSE | R

- Deviation or variation from the company calculated cost and the actual cost
- Rapid development in the AI field paved way to many advance methodologies of estimation
- Customers have to do it because of the change in regulations.

7. BEHAVIOUR | L

- The customer has to upload the images of the car after an accident.
- The applications wil instantly evaluate the damages and displays the claim amount to the customers

9. TRIGGERS | TR

- Technological advancement in the field of predictions and estimation
- colleagues and society demanding instant insurance claim
- customer wanting to be independent without falling into false traps

4. EMOTIONS: BEFORE / AFTER | EM

Before:
- Delay in insurance claim
- Unable to claim an accurate amount for vehicle damage

After:
- Customers felt independent
- Received their insurance claims at an instant
- Were able to evaluate an unified insurance claim for their vehicle damages

10. YOUR SOLUTION | SI

- Accurately estimate the damage percentage
- Predict the region of damage with respect to the vehicle
- use fast processing algorithm for functionality
- interactive and user-friendly solution to make it easily accessible for the user
- The functionality of the existing solution is slow eliminating human error while estimation

8. CHANNELS of BEHAVIOR | CH

8.1 ONLINE
- webpage can be accessed to estimate damage using input image
- quick access of the artificial intelligence based algorithm for damage assessment

8.2 OFFLINE
- Reach out to the respect insurance agent or the corresponding bank to proceed further with the insurance payment protocols
- validate the estimate cost with the cost provided by the firm